



# Council Agenda Report

To: Mayor Grisanti and the Honorable Members of the City Council

Prepared by: Jenna Sobieray, Associate Civil Engineer

Reviewed by: Rob DuBoux, Public Works Director

Approved by: Steve McClary, Interim City Manager

Date prepared: August 18, 2021 Meeting date: September 13, 2021

Subject: Los Angeles County Measure R Transportation Funding Agreement Amendment

---

**RECOMMENDED ACTION:** Authorize the Mayor to execute the Measure R Funding Agreement Amendment for the Pacific Coast Highway (PCH) Signal Synchronization Project.

**FISCAL IMPACT:** This amendment to the Measure R Funding Agreement will add \$900,000 of additional Measure R funds to the project. The total project budget will be \$14,600,000. There is no impact to the General Fund from this action.

**WORK PLAN:** This item was included as Item 8.I. in the Adopted Work Plan for Fiscal Year 2021-2022.

**DISCUSSION:** Los Angeles County Measure R was approved by voters in 2008. Measure R provides a half-cent sales tax increase for Los Angeles County to finance new transportation projects and programs. Measure R was projected to generate \$40 billion to transportation projects throughout Los Angeles County over the next 30 years. The City's allocation from Measure R is \$26.3 million. The County of Los Angeles provided the City with an additional \$12 million for a total allocation to the City of \$38.3 million. There is no impact to the General Fund associated with the expenditure of Los Angeles County Measure R funding. The City identified the PCH Signal Synchronization Project to use the City's Measure R funds.

The PCH Signal Synchronization project consists of upgrading the communication between the traffic signals on PCH from Topanga Canyon Road to John Tyler Drive and

connecting the signals back to the Caltrans Traffic Management Center. This will allow Caltrans to remotely monitor and operate the signals and signal system.

A funding agreement for this project was initially approved in October 2016. This amendment to the funding agreement adds \$900,000 to the project budget. These funds were allocated to the project from Metro Measure R Funding. The new total budget of \$14,600,000 was approved by LACTMA Board on June 25, 2020. The amendment also extends lapsing funds from FY 2016-2017 to be used in FY 2021- 2022.

Staff recommends that the City Council authorize the Mayor to approve and sign the amendment to the Funding Agreement.

### ATTACHMENTS

1. Funding Amendment to Agreement with Metro for Pacific Coast Highway Signal Synchronization Project

**AMENDMENT No. 2  
TO MEASURE R FUNDING AGREEMENT BETWEEN  
CITY OF MALIBU  
AND  
THE LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

This Amendment No. 2 to the Funding Agreement (this "Amendment"), is dated as of July 1, 2021 by and between the City of Malibu ("Grantee") and the Los Angeles County Metropolitan Transportation Authority ("LACMTA").

RECITALS:

A. Grantee and LACMTA entered into that certain Funding Agreement No. 9200000000MR31111, dated October 28, 2016, (the "Existing FA"), which was amended on March 6, 2017 (as amended, the "Existing FA"), which Existing FA provides for the Pacific Coast Highway Signal System Improvements from John Tyler Drive to Topanga Canyon Road Project (the "Project"); and

B. WHEREAS, the Grantee desires to increase the Project's budget of Measure R by \$900,000 from \$13,700,000 to \$14,600,000. This amount is within the Board authorized budget increase for the Project, the total new Project budget is \$14,600,000 which was approved by the LACMTA Board on June 25, 2020; and

C. WHEREAS, the LACMTA Board on October 25, 2018 delegated administrative authority to staff to extend funding lapse dates to meet PAED, PS&E, and Construction time frames; and

D. WHEREAS, the Grantee and LACMTA desire to extend the lapsing date of FY 2016-17 funds to June 30, 2022; and

E. WHEREAS, the Funds are currently programmed for the Project as follows: \$300,000 in Measure R Funds in FY 2015-16; \$4,000,000 in FY 2016-17; \$4,900,000 in FY 2017-18; \$4,500,000 in FY 2018-19; and \$900,000 in in FY 2021-22. The total designated amount for the Project is \$14,600,000; and

F. Grantee and LACMTA desire to amend the Existing FA as provided herein.

AGREEMENT:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the parties hereby agree as follows:

1. Part I, Paragraph 2.2 of the Existing FA is hereby amended by deleting it in its entirety and replacing it with the following: “To the extent the Measure R funds are available, LACMTA shall make to GRANTEE a grant of the Measure R funds in the amount of \$14,600,000 (the “Funds”) for the Project. LACMTA Board of Directors actions on December 3, 2015, December 1, 2016, and June 25, 2020 granted the Measure R Funds for the Project. The Funds are currently programmed in Fiscal Years: \$300,000 in FY 2015-16; \$4,000,000 in FY 2016-17; \$4,900,000 in FY 2017-18; \$4,500,000 in FY 2018-19; and \$900,000 in FY 2021-22.”

2. Part I, Paragraph 12 of the Existing FA is hereby amended by deleting it in its entirety and replacing it with the following:

“Los Angeles County Metropolitan Transportation Authority  
One Gateway Plaza  
Los Angeles, CA 90012  
Attention: Shrota Sharma, 99-18-2  
(213) 418-3058  
[sharmas@metro.net](mailto:sharmas@metro.net)”

3. Part II, Paragraph 3 of the Existing FA is hereby amended by deleting it in its entirety and replacing it with the following:

“3. INVOICE BY GRANTEE

Unless otherwise stated in this FA, the Monthly Progress Report or the Quarterly Expenditure Report, with supporting documentation of expenses, Project progress and other documents as required, which has been pre-approved by LACMTA, all as described in Part II, Section 6.1 of this FA, shall satisfy LACMTA invoicing requirements. Grantee shall only submit for payment, the LACMTA pre-approved Monthly Progress Report or Quarterly Expenditure Report Packets to the LACMTA Project Manager at the email address shown in Part I and to LACMTA Account Payable Department as shown below.

Submit invoice with supporting documentation to:  
[ACCOUNTSPAYABLE@METRO.NET](mailto:ACCOUNTSPAYABLE@METRO.NET) (preferable)

or

mail to:

**Los Angeles County Metropolitan Transportation Authority**  
**Accounts Payable**  
**P. O. Box 512296**  
**Los Angeles, CA 90051-0296**

All invoice material must contain the following information:

Re: LACMTA Project ID# MR311.11 and FA# 920000000MR31111  
Shrota Sharma; Mail Stop 99-18-2”

4. Part II, Section 9.1 of the Existing FA is hereby amended by deleting it in its entirety and replacing it with the following:

“9.1 GRANTEE must demonstrate timely use of the Funds by:

- (i) Executing this FA within **ninety (90) days** of receiving formal transmittal of the FA from LACMTA, or by December 31 of the first Fiscal Year in which the Funds are programmed, whichever date is later; and
- (ii) Beginning Project Design, Preliminary Engineering-(PE) within **six (6) months** from completion of environmental clearance, if appropriate.
- (iii) Executing Contracts for Construction or Capital purchase within **twelve (12) months** from the date of completion of design; and
- (iv) Delivering Work in accordance with schedule; changes to the schedule will require an Amendment to Attachment C to reflect updated milestone dates. Meeting the Project milestone due dates as agreed upon by the LACMTA and GRANTEE in Attachment C (Scope of Work) of this FA; and
- (v) Submitting the Quarterly Progress/Expenditure Reports as described in Part II, Section 6.1 of this FA; and
- (vi) Expending the Funds granted under this FA for allowable costs within **five years or 60 months** July 1 of the Fiscal Year in which the Funds are programmed, unless otherwise stated in this FA. All Funds programmed for FY 2015-16 are no longer available. All Funds programmed for FY 2016-17 are subject to lapse by June 30, 2022. All Funds programmed for FY 2017-18 are subject to lapse by June 30, 2022. All Funds programmed for FY 2018-19 are subject to lapse by June 30, 2023.
- (vii) Expending the Funds granted under this FA for allowable costs within **three years or 36 months** July 1 of the Fiscal Year in which the Funds are programmed, unless otherwise stated in this FA. All Funds programmed for FY 2021-22 are subject to lapse by June 30, 2024.”

5. Part II, Paragraph 12 of the Existing FA is hereby amended by deleting it in its entirety and replacing it with the following:

“12. COMMUNICATIONS:

12.1 GRANTEE shall ensure that all Communication Materials contain recognition of LACMTA’s contribution to the Project as more particularly set forth in “Funding Recipient Communications Guidelines” available online at

<http://metro.net/partners-civic>. The Funding Recipient Communications Guidelines may be changed from time to time during the course of this Agreement. GRANTEE shall be responsible for complying with the latest Funding Recipient Communications Guidelines during the term of this Agreement, unless otherwise specifically authorized in writing by the LACMTA Chief Communications Officer.

12.2 For purposes of this Agreement, “Communications Materials” include, but are not limited to, press events, public and external newsletters, printed materials, advertising, websites radio and public service announcements, electronic media, and construction site signage. A more detailed definition of “Communications Materials” is found in the Funding Recipient Communications Guidelines.

12.3 The Metro logo is a trademarked item that shall be reproduced and displayed in accordance with specific graphic guidelines. The preferred logo lock-up for Funding Recipients to use is included in the Funding Recipient Communications Guidelines.

12.4 GRANTEE shall ensure that any subcontractor, including, but not limited to, public relations, public affairs, and/or marketing firms hired to produce Project Communications Materials for public and external purposes will comply with the requirements contained in this Section.

12.5 The LACMTA Project Manager shall be responsible for monitoring GRANTEE’s compliance with the terms and conditions of this Section. GRANTEE’s failure to comply with the terms of this Section shall be deemed a default hereunder and LACMTA shall have all rights and remedies set forth herein.”

6. Attachment A-1 – Project Funding of the Existing FA is hereby replaced by Attachment A-2, attached.

7. Attachment B-1-1 – Expenditure Plan Cost and Cash Flow Budget of the Existing FA is hereby replaced by Attachment B-1-2, attached.

8. Attachment C-1 – Scope of Work of the Existing FA is hereby replaced by Attachment C-2, attached.

9. Attachment E-1 – FTIP Sheet of the Existing FA is hereby replaced by Attachment E-2, attached.

10. Attachment G-1 - Los Angeles County Regional ITS Architecture (CONNECT-IT) Consistency Self-Certification Policy Form is hereby added to the Existing FA, attached.

11. Attachment G-2 – Signal Synchronization, Intelligent Transportation Systems (ITS), and Transportation Technology Improvements is hereby added to the Existing FA, attached.

12. Except as expressly amended hereby, the Existing FA remains in full force and effect as originally executed. All rights and obligations of the parties under the Existing FA that are not expressly amended by this Amendment shall remain unchanged.

IN WITNESS WHEREOF, the parties have caused this Amendment No. 2 to the FA to be executed by their duly authorized representatives as of the dates indicated below:

LACMTA:

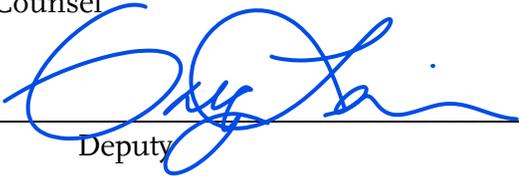
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

By: \_\_\_\_\_  
Stephanie N. Wiggins  
Chief Executive Officer

Date: \_\_\_\_\_

APPROVED AS TO FORM:

RODRIGO A. CASTRO-SILVA  
County Counsel

By: \_\_\_\_\_  
  
Deputy

Date: 7/27/2021

GRANTEE:

CITY OF MALIBU

By: \_\_\_\_\_  
~~Steve McClary~~ Paul Grisanti  
~~Interim City Manager~~ Mayor

Date: \_\_\_\_\_

APPROVED AS TO FORM:

THIS DOCUMENT HAS BEEN REVIEWED  
BY THE CITY ATTORNEY'S OFFICE  
By: \_\_\_\_\_  
John Cotti  
Interim City Attorney

Date: \_\_\_\_\_

**ATTACHMENT A-2 - PROJECT FUNDING**

Measure R Program - Funding Agreement Projects - FA# 920000000MR31111

Project Title: Pacific Coast Highway Signal System Improvements from John Tyler Dr to Topanga Canyon Blvd      Project#: MR311.11

**PROGRAMMED BUDGET - SOURCES OF FUNDS**

SOURCES OF FUNDS	Prior Years	FY2017-18	FY 2018-19	FY2019-20	FY2020-21	FY2021-22	Total Budget	% of Budget
LACMTA PROGRAMMED FUNDING								
MEASURE R FUNDS	\$ 4,300,000	\$ 4,900,000	\$ 4,500,000			\$ 900,000	\$ 14,600,000	
<b>LACMTA PROGRAMMED FUNDS BY YEAR SUBTOTAL</b>	\$ 4,300,000	\$ 4,900,000	\$ 4,500,000	\$ -	\$ -	\$ 900,000	\$ 14,600,000	<b>100%</b>
<b>OTHER SOURCES OF FUNDING:</b>								
LOCAL:							\$ -	0%
STATE:							\$ -	0%
FEDERAL:							\$ -	0%
PRIVATE OR OTHER:							\$ -	0%
<b>OTHER FUNDING SUBTOTAL</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>0%</b>
<b>TOTAL PROJECT FUNDS</b>	\$ 4,300,000	\$ 4,900,000	\$ 4,500,000	\$ -	\$ -	\$ 900,000	\$ 14,600,000	<b>100%</b>

**ATTACHMENT B-1-2 - EXPENDITURE PLAN COST & CASH FLOW BUDGET**

Measure R Program - Funding Agreement Projects - FA# 920000000MR31111

Project Title: Pacific Coast Highway Signal System Improvements from John Tyler Dr to Topanga Canyon Blvd Project#: MR311.11

**PROGRAMMED SOURCES OF FUNDS**

SOURCES OF FUNDS	Prior Expenditures	FY 2018-19 Qtr 2	FY 2018-19 Qtr 3	FY 2018-19 Qtr 4	FY 2019-20 Qtr 1	FY 2019-20 Qtr 2	FY 2019-20 Qtr 3	FY 2019-20 Qtr 4	TOTAL BUDGET
<b>LACMTA PROGRAMMED FUNDS:</b>									
<b>MEASURE R FUNDS:</b>									
PAED	\$1,220,000								\$1,220,000
PS&E	\$287,000								\$287,000
RW Support									\$0
Const. Support									\$0
RW									\$0
Construction									\$0
<b>Total MEASURE R</b>	<b>\$1,507,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,507,000</b>
<b>SUM PROG LACMTA FUNDS:</b>	<b>\$1,507,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,507,000</b>
<b>PROJECT FUNDING FY18-19 and FY19-20</b>	<b>\$1,507,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,507,000</b>
SOURCES OF FUNDS	FY 2020-21 Qtr 1	FY 2020-21 Qtr 2	FY 2020-21 Qtr 3	FY 2020-21 Qtr 4	FY 2021-22 Qtr 1	FY 2021-22 Qtr 2	FY 2021-22 Qtr 3	FY 2021-22 Qtr 4	TOTAL BUDGET
<b>LACMTA PROGRAMMED FUNDS:</b>									
<b>MEASURE R FUNDS:</b>									
PAED									\$0
PS&E	\$200,000	\$180,000	\$170,000	\$150,000	\$150,000	\$123,000			\$973,000
RW Support									\$0
Const. Support						\$50,000	\$350,000	\$350,000	\$750,000
RW									\$0
Construction						\$500,000	\$3,500,000	\$3,500,000	\$7,500,000
<b>Total MEASURE R</b>	<b>\$200,000</b>	<b>\$180,000</b>	<b>\$170,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$673,000</b>	<b>\$3,850,000</b>	<b>\$3,850,000</b>	<b>\$9,223,000</b>
<b>SUM PROG LACMTA FUNDS:</b>	<b>\$200,000</b>	<b>\$180,000</b>	<b>\$170,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$673,000</b>	<b>\$3,850,000</b>	<b>\$3,850,000</b>	<b>\$9,223,000</b>
<b>PROJECT FUNDING FY20-21 and FY21-22</b>	<b>\$200,000</b>	<b>\$180,000</b>	<b>\$170,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$673,000</b>	<b>\$3,850,000</b>	<b>\$3,850,000</b>	<b>\$9,223,000</b>
SOURCES OF FUNDS	FY 2022-23 Qtr 1	FY 2022-23 Qtr 2	FY 2022-23 Qtr 3	FY 2022-23 Qtr 4	FY 2023-24 Qtr 1	FY 2023-24 Qtr 2	FY 2023-24 Qtr 3	FY 2023-24 Qtr 4	TOTAL BUDGET
<b>LACMTA PROGRAMMED FUNDS:</b>									
<b>MEASURE R FUNDS:</b>									
PAED									\$0
PS&E									\$0
RW Support									\$0
Const. Support	\$305,000								\$305,000
RW									\$0
Construction	\$3,565,000								\$3,565,000
<b>Total MEASURE R</b>	<b>\$3,870,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,870,000</b>
<b>SUM PROG LACMTA FUNDS:</b>	<b>\$3,870,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,870,000</b>
<b>PROJECT FUNDING FY22-23 and FY23-24</b>	<b>\$3,870,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,870,000</b>
<b>SUMMARY OF ALL FUNDS</b>									
PAED	\$1,220,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,220,000
PS&E	\$487,000	\$180,000	\$170,000	\$150,000	\$150,000	\$123,000	\$0	\$0	\$1,260,000
RW Support	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Const. Support	\$305,000	\$0	\$0	\$0	\$0	\$50,000	\$350,000	\$350,000	\$1,055,000
RW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$3,565,000	\$0	\$0	\$0	\$0	\$500,000	\$3,500,000	\$3,500,000	\$11,065,000
<b>TOTAL MILESTONES</b>	<b>\$5,577,000</b>	<b>\$180,000</b>	<b>\$170,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$673,000</b>	<b>\$3,850,000</b>	<b>\$3,850,000</b>	<b>\$14,600,000</b>
<b>SUM PROG LACMTA FUNDS</b>	<b>\$5,577,000</b>	<b>\$180,000</b>	<b>\$170,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$673,000</b>	<b>\$3,850,000</b>	<b>\$3,850,000</b>	<b>\$14,600,000</b>
<b>TOTAL PROJECT FUNDING</b>	<b>\$5,577,000</b>	<b>\$180,000</b>	<b>\$170,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$673,000</b>	<b>\$3,850,000</b>	<b>\$3,850,000</b>	<b>\$14,600,000</b>

**ATTACHMENT C-2  
SCOPE OF WORK**

**PROJECT TITLE:**

Pacific Coast Highway Signal System Improvements from John Tyler Drive to Topanga Canyon Boulevard

**PROJECT LOCATION:**

The project is located along Pacific Coast Highway/State Route 1 (PCH/SR 1) in the City of Malibu and the County of Los Angeles.

**PROJECT LIMITS:**

The project limits are along PCH/SR1 from the intersection of John Tyler Drive to the intersection of Topanga Canyon Boulevard. A distance of approximately 8 miles.

**NEXUS TO HIGHWAY OPERATION, DEFINITION/PROJECT PURPOSE:**

The purpose of this project is to upgrade and interconnect the highway intersections and traffic signals from the intersection of John Tyler Dr. to the intersection Topanga Canyon Blvd. to improve traffic flow and reduce incident delay along PCH/SR 1. This project would install intersection and signal upgrades such as communication links, fiber links, adaptive signal control systems, changeable message signs, closed circuit television cameras, and traffic loops to enable Caltrans to monitor traffic flow and adjust signal timing remotely, to allow for real-time adaptive signal timing and manage traffic flow.

**PROJECT BACKGROUND:**

Currently, the traffic signals in this approximately 8 mile highway corridor are not all interconnected with each other and cannot be viewed or controlled remotely from the Caltrans Traffic Management Center. The signal timing can only be adjusted manually in the field which is problematic given the significant fluctuations in traffic volumes along the Malibu PCH/SR 1 corridor caused by variations in visitor and commuter traffic. As a result, there is often vehicular congestion and conflict at the intersections and traffic signals which can cause travel delays and collisions. The City of Malibu recently conducted a comprehensive study of safety along PCH/SR 1. The PCH Safety Study, approved by the Malibu City Council on June 22, 2015, identified this project as the corridor's number one priority highway safety improvement project. According to the study, the most common type of collisions on the highway are rear-end collisions approaching signalized intersections. The project improvements to the traffic signals and intersections would reduce conflict and the incidents of collisions.

**PROJECT BUDGET:**

<b>COMPONENT</b>	<b>AMOUNT</b>
PA/ED	\$ 1,220,000
PS and E	\$ 1,260,000
Construction Support	\$ 1,055,000
Construction Capital	<u>\$11,065,000</u>
<b>Total Budget</b>	<b>\$14,600,000</b>

**SCOPE:**

The Project features include, but are not limited to, the following: installation of communication links between traffic signals and the Caltrans' Traffic Management Center, fiber links, adaptive signal control systems, changeable message signs, closed circuit television cameras, the development of timing plans, the installation of traffic loops and sensors and the installation of other traffic management techniques to manage traffic flow. In addition, associated traffic signal improvement work may include replacing and relocating traffic signal poles and equipment, upgrades to existing overhead warning signs, installing new overhead warning signs, installing new traffic signal phasing, and installing pedestrian countdown heads. Additional associated work may include asphalt concrete overlay, traffic loops, upgrading overhead warning signs, utility work, concrete work, concrete curb and gutter, storm water conveyance, the installation of striping, signage and other traffic control devices, and other minor components. A storm water pollution prevention plan and traffic control plan will be prepared and implemented for the project.

**PA/ED**

**The City will contract with a consultant for environmental analysis and permitting services, design services and design services during construction for the project. City staff and Caltrans staff shall perform project management and oversight.**

**I. Environmental Analysis – Environmental Clearance, Coastal Development Permit and Caltrans Project Initiation Document as Final Work Product**

City, Caltrans, and Consultant to perform the following tasks:

- A. Define a complete and detailed project description and delineate project study areas
- B. Conduct technical analysis as required for the project including archeological and other studies
- C. Prepare environmental documents consistent with CEQA Guidelines for review and approval by the City following completion of appropriate technical analysis and studies.
- D. Prepare technical analysis or studies consistent with the City of Malibu's Local Coastal Program as required for the Coastal Development Permit
- E. Prepare the Coastal Development Permit Application for review by the City
- F. Prepare the environmental documents and the Coastal Development Permit application for public circulation
- G. Make presentations to regulatory and permitting agencies as necessary
- H. Prepare responses to public review of draft environmental documents and the Coastal Development Permit application.
- I. Prepare Caltrans Project Initiation Document all associated work.
- J. Prepare all other permit applications, technical studies and notifications required for the project.

**DESIGN**

**The consultant will provide design services and City staff will perform project management and oversight.**

**I. Preliminary Design – “Design Memo and Renderings” as Final Work Product**

City and Consultant to perform the following tasks:

- A. Conduct field investigations to analyze the existing conditions and identify design issues. Record existing site conditions in drawings, photographs and/or video.
- B. Examine and review all Right-of-Way maps, Parcel Maps, As-Built drawings and all other existing documents as appropriate.
- C. Research, review and understand City of Malibu Local Coastal Program and City of Malibu General Plan.
- D. Provide a complete survey of the project area, establishing horizontal and vertical control for the project.
- E. Identify and coordinate with all utilities in the project area to facilitate the final design of the Project.
- F. Research innovative traffic management techniques to manage traffic flow along highway corridor.
- G. Work with Caltrans to develop the project's scope and preliminary design to ensure compatibility, connectivity and acceptance by the Caltrans' Traffic Management Center.
- H. Work with Caltrans, County of Los Angeles, Los Angeles County Metropolitan Transportation Authority, City of Los Angeles, and any other applicable municipal or regulatory agencies to develop the project's scope and preliminary design to ensure acceptance of proposed work within the Caltrans' right of way in the vicinity of PCH and Topanga Canyon Boulevard outside the Malibu city limits.
- I. Prepare and submit a "Design Memo" detailing the proposed project improvements and the supporting engineering analysis.
- J. Prepare and submit a Preliminary Engineer's Construction Cost Estimate for all recommended improvements identified in the "Design Memo."
- K. Prepare rendering of recommended improvements identified in the "Design Memo."

## **II. Final Design – Plans, Specifications and Estimates as Final Work Product**

Consultant to perform the following tasks:

- A. Design the roadway and sidewalk improvements based on the City reviewed "Design Memo."
- B. Prepare civil plans for the improvements, consistent with City format.
- C. Submittal of plan set shall be delivered at 50%, 90% complete and final. Submittals at 50%, 90% and final levels of plans and specifications shall be submitted in hard copy and electronic formats.
- D. Assist the City and conduct a Public Meeting at 50%, 90% submittal by preparing exhibits and attending workshop and be prepared to present the proposed project and discuss concerns of the residents, property owners and other stakeholders.
- E. Work with Caltrans' and Caltrans' Traffic Control Center to ensure compatibility, connectivity and acceptance by the Caltrans' Traffic Management Center.
- F. Prepare technical construction specifications consistent with City format (SSPWC "Greenbook" and CSI Format, most recent editions).
- G. Submittal of specifications shall be delivered to the City at 50%, 90% complete and final in hard copy and electronic formats.
- H. Prepare an Engineer's Construction Cost Estimate based on the itemized quantity take-off from the contract documents.

- I. Submittal of the Engineer's Construction Cost Estimate shall be delivered to the City at 50%, 90% complete and final in hard copy and electronic formats.
- J. Prepare Storm water Pollution Prevention Plan that satisfies the requirements of the City's storm water program, Caltrans requirements and all other applicable regulatory agencies.
- K. Prepare a traffic control plan that satisfies the requirements of the City and Caltrans.

**III. Caltrans Permitting – Caltrans' Encroachment Permit as Final Work Product**

Consultant to perform the following tasks:

- A. Determine the permitting documents and process required by Caltrans (Project Report, Project Study Report, Preliminary Engineering Evaluation Report, Encroachment Permit, etc.)
- B. Prepare all Caltrans required permit documentation for the project in accordance with Caltrans
- C. Conduct coordination meetings with Caltrans to facilitate permitting.
- D. Submittal of plan set shall be delivered at 50%, 90% complete and final. Submittals at 50%, 90% and final levels of plans and specifications shall be submitted in hard copy and electronic formats.
- E. Assist the City and conduct a Public Meeting at 50%, 90% submittal by preparing exhibits and attending workshop and be prepared to present the proposed project and discuss concerns of the residents, property owners and other stakeholders.

**IV. Project Coordination - Preparation of Periodic Updated Schedule, Deliverables and Meetings**

Consultant to perform the following tasks:

- A. Meet as needed with the City to accomplish Project tasks as outlined. Meetings expected between the Consultant and City shall include but are not be limited to: Project Kick-off Meeting, presentation of "Design Memo", regular progress meetings and preparation for the Public Meetings at 90% design completion.
- B. Provide periodic schedule updates on deliverables and meetings as changes to the original schedule occur or as needed based on the needs of the project.

**IV. Project Management**

City to perform the following tasks:

- A. Coordinate and oversee environment analysis, Caltrans coordination, permitting, Caltrans permitting, preliminary design, final design and public outreach.

**CONSTRUCTION**

**The City will contract for construction management services for the project through the Request For Proposal process. City staff will provide construction management oversight. The City will award a low-bid contract for construction. The following tasks shall be performed:**

**I. Construction Management**

Consultant to perform the following tasks:

- A. The Construction Manager will provide contract administration and construction management as well as materials testing and inspection.
- B. The Construction Manager shall meet with the City and Design Consultant to perform work as needed to accomplish Project tasks including but is not limited to: Pre-Bid Meeting, Pre-Construction Meeting, regular progress meetings and the review and preparation of Request for Information responses, Request for Change Order responses, progress payment requests, submittals, shop drawings, change orders and project closeout.

**II. Design Services During Construction – Responses to RFIs, RFCs, Progress Payment Requests, Review of Submittals, Shop Drawings and Change Orders**

Consultant to perform the following tasks:

- A. The Design Consultant shall meet with the City and the Construction Manager and perform work as needed to accomplish Project tasks including but is not limited to: Pre-Bid Meeting, Pre-Construction Meeting, regular progress meetings and the review and preparation of Request for Information responses, Request for Change Order responses, progress payment requests, submittals, shop drawings, change orders, and project closeout.

**III. Construction Contract**

Contractor will perform the following tasks:

- A. Construct project in accordance with the plans and specifications.

**IV. Project Management**

City to perform the following tasks:

- A. Coordinate and oversee construction, construction management, and design services during construction.
- B. Host Ribbon Cutting Ceremony.

**MILESTONES:** The estimated implementation schedule for this project will be as follows

	<b>START DATE</b>	<b>COMPLETION DATE</b>
<b>SOLICITATION (BID/PROPOSAL)</b>		
Develop Solicitation Package	December 2016	December 2016
Solicitation Response		January 2017
Evaluations	February 2017	
Selection		March 2017
Board Approval		March 2017

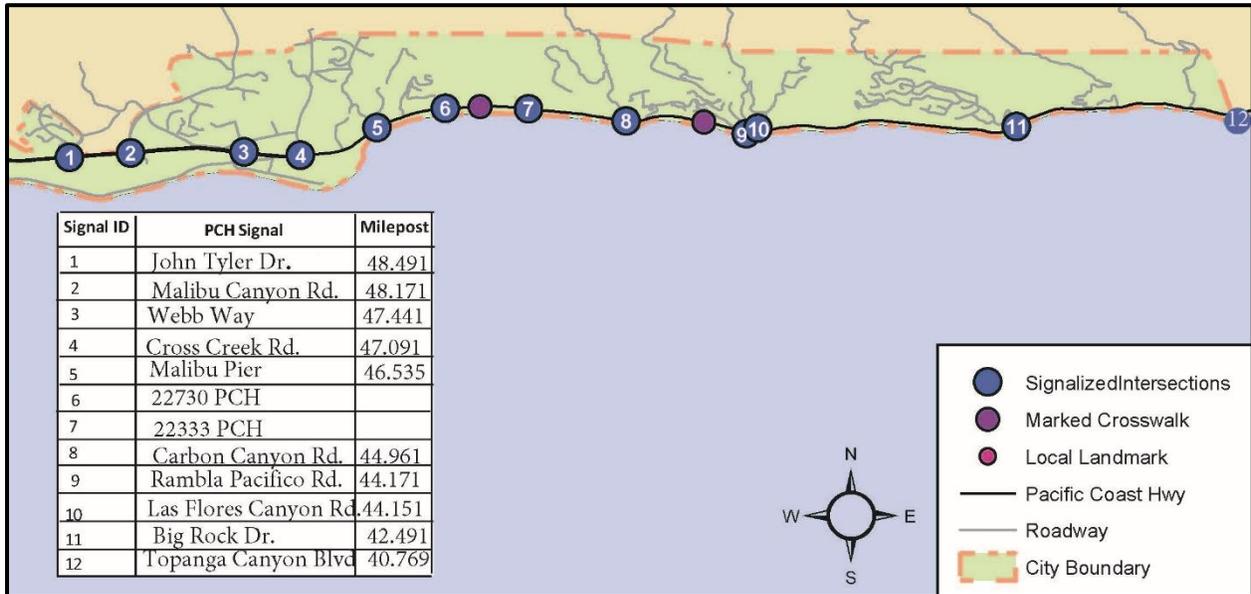
Contract Award		March 2017
Fully Executed Contract		March 2017
<b>PLANNING</b>		
Prepare Concept Report	April 2017	June 2017
Prepare Feasibility Study		
Prepare Project Study Report Equivalent	June 2017	January 2018
<b>PRELIMINARY DESIGN</b>		
Prepare Detailed Construction Plans	May 2019	July 2020
<b>PA&amp;ED</b>		
Prepare Environmental Document Document Categorical Exemption Filing	May 2018	May 2020
Draft Environmental Document	Sept 2018	April 2019
Final Environmental Document	May 2019	August 2020
<b>PS&amp;E</b>		
<b>50% PS&amp;E</b>	July 2020	October 2020
<b>90% PS&amp;E</b>	October 2020	January 2021
Submit Final PS&E	January 2021	January 2021
<b>Utility Relocation</b>		
Third Party Coordination	April 2021	April 2021
Design Utilities	December 2020	April 2021
Relocate Utilities	December 2021	December 2021

**CONSTRUCTION MILESTONES:** The estimated implementation schedule for this project will be as follows.

	START DATE	COMPLETION DATE
<b>Solicitation (Bid/Proposal)</b>		
Develop Solicitation Package	April 2021	July 2021
Solicitation Response		
Evaluations		
Selection	July 2021	August 2021
Board Approval Process	August 2021	August 2021
Contract Award	August 2021	August 2021
Fully Executed Contract	August 2021	August 2021
<b>Excavation</b>		
Clear/Grub	Sept 2021	Sept 2021
Survey	March 2019	
Sample Borings		
Grading	Sept 2021	August 2022
Compaction	Sept 2021	August 2022
<b>Concrete</b>		
Form Work	Sept 2021	August 2022
Rebar Placement		
Pole Placement	October 2021	June 2022
<b>Traffic Control</b>		
TMP	Sept 2021	August 2022
<b>Structural</b>		
Pole Placement	October 2021	June 2022

<b>Materials</b>		
Long-Lead Equipment	Sept 2021	February 2022
Staging		
Material Lay Down Area	Sept 2021	August 2022
Signage	Sept 2021	August 2022
<b>Electrical</b>		
Power U/G Communication	November 2021	June 2022
A/G Testing/Acceptance	April 2022	August 2022
General Construction/close out project	Sept 2021	August 2022
<b>Change Orders</b>		
P.O. Processing Time	Sept 2021	August 2022
<b>Project Completion</b>		August 2022

ATTACHMENT C-1 -Location Map(s)



# ATTACHMENT E-2

## Los Angeles Metropolitan Transportation Authority 2019 Federal Transportation Improvement Program (\$000)

TIP ID **LA0G1289** Implementing Agency **Malibu, City of**

Project Description: Pacific Coast Highway (PCH) Signal Systems Improvements from John Tyler Drive to Topanga Canyon Boulevard. The project limits are approximately 8 miles and include 12 signals along PCH. The project intends to interconnect the traffic signals to enable Caltrans to monitor and control the signals remotely and, if possible, for the traffic signals to adjust to real time traffic conditions. The project will also include additional intersection and traffic improvements.

SCAG RTP Project #: 7120005  
Study: N/A Is Model: YES Model #:   
PM: Robert Brager - (310) 456-2489  
Email: bbrager@malibucity.org  
LS: N LS GROUP#:   
Conformity Category: NON-EXEMPT

System :State Hwy Route :1 Postmile: 42 to 50 Distance: 8 Phase: Engineering/Plans, Specifications and Estimates (PS&E) Completion Date 06/30/2027

Lane # Extd: 4 Lane # Prop: 4 Imprv Desc: Traffic Signal Synchronization

Air Basin: SCAB Envir Doc: CATEGORICALLY EXEMPT - 03/01/2018

Toll Rate: 0.00 Toll Colc Loc: Toll Method: Hov acs eg loc:

Uza: Los Angeles-Long Beach-Santa Ana Sub-Area: Sub-Region: Las Virgenes/Malibu COG

Program Code: ITS02 - SIGNAL SYNCHRONIZATION Stop Loc:

CTIPS ID: EA #: PPNO:

	PHASE	PRIOR	18/19	19/20	20/21	21/22	22/23	23/24	BEYOND	PROG TOTAL
MR20H - Measure R 20% Highway	PE	\$9,200	\$4,500	\$0	\$0	\$0				\$13,700
	RW	\$0	\$0	\$0	\$0	\$0				\$0
	CON	\$0	\$0	\$0	\$0	\$900				\$900
	SUBTOTAL	\$9,200	\$4,500	\$0	\$0	\$900				\$14,600
	<b>TOTAL</b>	<b>\$9,200</b>	<b>\$4,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$900</b>				<b>\$14,600</b>
	<b>TOTAL PE:</b>	<b>\$13,700</b>								
	<b>TOTAL RW:</b>		<b>\$0</b>							
	<b>TOTAL CON:</b>					<b>\$900</b>				
	<b>TOTAL PROGRAMMED:</b>									<b>\$14,600</b>

- **General Comment:** Schedule of work has been to delayed due to Woolsey Fire and COVID-19 impacts.
- **Modeling Comment:** Schedule of work has been to delayed due to Woolsey Fire and COVID-19 impacts.
- **TCM Comment:** NOT a TCM Project.
- **Amendment Comment:**
- **CMP Comment:**
- **Narrative:**

Last Revised **Amendment 19-28 - Submitted**

Change reason: COST CHANGE AND SCHEDUL **Total Project Cost \$14,600**

**ATTACHMENT G-1**  
**SPECIAL GRANT CONDITIONS**  
**LOS ANGELES COUNTY REGIONAL ITS ARCHITECTURE (CONNECT-IT)**  
**CONSISTENCY SELF-CERTIFICATION POLICY FORM**

This Los Angeles County Regional ITS Architecture (CONNECT-IT) consistency self-certification form should be completed and executed for all ITS Projects or Projects with ITS elements. The form should be sent to LACMTA for any planned ITS projects or proposed funding involving Local, State or Federal funds programmed or administered through the LACMTA.

1. Project Title: Pacific Coast Highway Signal System Improvements from John Tyler Drive to Topanga Canyon Boulevard
2. Name of Sponsoring Agency: City of Malibu
3. Contact Name: Rob DuBoux, Public Works Director
4. Contact Phone: 310.456.2489 x339
5. Contact Email: rduboux@malibucity.org

6. Project Description:

Currently, the traffic signals in this approximately 8-mile highway corridor are not all interconnected with each other and cannot be viewed or controlled remotely from the Caltrans Traffic Management Center. The signal timing can only be adjusted manually in the field which is problematic given the significant fluctuations in traffic volumes along the Malibu PCH/SR 1 corridor caused by variations in visitor and commuter traffic. As a result, there is often vehicular congestion and conflict at the intersections and traffic signals which can cause travel delays and collisions.

The Project features include, but are not limited to, the following: installation of communication links between traffic signals and the Caltrans' Traffic Management Center, fiber links, adaptive signal control systems, changeable message signs, closed circuit television cameras, the development of timing plans, the installation of traffic loops and sensors and the installation of other traffic management techniques to manage traffic flow. In addition, associated traffic signal improvement work may include replacing and relocating traffic signal poles and equipment, upgrades to existing overhead warning signs, installing new overhead warning signs, installing new traffic signal phasing, and installing pedestrian countdown heads. Additional associated work may include asphalt concrete overlay, traffic loops, upgrading overhead warning signs, utility work, concrete work, concrete curb and gutter, storm water conveyance, the installation of striping, signage and other traffic control devices, and other minor components.

7. Identify the ITS elements being implemented and the relevant CONNECT-IT Service Package(s), see Exhibit A.

Communications, fiber links, adaptive signal control systems, changeable message signs, and closed-circuit television cameras.

TM-03: Traffic Signal Control  
TM-07: Regional Traffic Management

8. Outline of the concept of operations for the project.

The project would install intersection and signal upgrades such as communication links, fiber links, adaptive signal control systems, changeable message signs, closed circuit television cameras, and traffic loops to enable Caltrans to monitor traffic flow and adjust signal timing remotely, to allow for real-time adaptive signal timing and manage traffic flow.

9. Identify participating agencies roles and responsibilities.

- City of Malibu = Project design and construction
- Caltrans = operation and maintenance

By signing and self-certifying this form, the agency commits itself to follow the ITS requirements listed below during project design and implementation. Please be advised that your project may be subject to further review and documentation by Metro and the CONNECT-IT Maintenance Team during project design and implementation phases:

- Perform a lifecycle analysis for the ITS project elements and incorporate these costs into the Operations and Maintenance plan as part of the system engineering process,
- Maintain and operate the system according to the recommendations of the operations and Maintenance plan upon project completion,
- Use the systems engineering process and document the system engineering steps, and
- Use the CONNECT-IT interface standards, if required, and conform to the regional configuration management process.

Signature:

---

Agency Representative

Date

**Exhibit A**

***Architecture Reference for CONNECT-IT Service Packages***

The table below is the architecture reference for the CONNECT-IT service packages. For additional information on the service packages below, to view interconnect diagrams for each service package or to suggest updates to CONNECT-IT, visit [www.laconnect-it.com](http://www.laconnect-it.com).

Service Package Area	Short Name	Name	
<b>Commercial Vehicle Operations</b>	CVO01	Carrier Operations and Fleet Management	
	CVO02	Freight Administration	
	CVO03	Electronic Clearance	
	CVO04	CV Administrative Processes	
	CVO05	International Border Electronic Clearance	
	CVO06	Freight Signal Priority	
	CVO07	Roadside CVO Safety	
	CVO08	Smart Roadside and Virtual WIM	
	CVO09	Freight-Specific Dynamic Travel Planning	
	CVO11	Freight Drayage Optimization	
	CVO12	HAZMAT Management	
	CVO14	CV Driver Security Authentication	
	CVO15	Fleet and Freight Security	
	<b>Data Management</b>	DM01	ITS Data Warehouse
		DM02	Performance Monitoring
<b>Maintenance and Construction</b>	MC01	Maintenance and Construction Vehicle and Equipment Tracking	
	MC02	Maintenance and Construction Vehicle Maintenance	
	MC05	Roadway Maintenance and Construction	
	MC06	Work Zone Management	
	MC07	Work Zone Safety Monitoring	
	MC08	Maintenance and Construction Activity Coordination	
<b>Parking Management</b>	PM01	Parking Space Management	
	PM02	Smart Park and Ride System	
	PM03	Parking Electronic Payment	
	PM04	Regional Parking Management	
	PM05	Loading Zone Management	
<b>Public Safety</b>	PS01	Emergency Call-Taking and Dispatch	
	PS02	Routing Support for Emergency Responders	
	PS03	Emergency Vehicle Preemption	
	PS04	Mayday Notification	
	PS05	Vehicle Emergency Response	
	PS06	Incident Scene Pre-Arrival Staging Guidance for Emergency Responders	
	PS07	Incident Scene Safety Monitoring	
	PS08	Roadway Service Patrols	
	PS10	Wide-Area Alert	
	PS11	Early Warning System	
	PS12	Disaster Response and Recovery	

Service Package Area	Short Name	Name
	PS13	Evacuation and Reentry Management
	PS14	Disaster Traveler Information
<b>Public Transportation</b>	PT01	Transit Vehicle Tracking
	PT02	Transit Fixed-Route Operations
	PT03	Dynamic Transit Operations
	PT04	Transit Fare Collection Management
	PT05	Transit Security
	PT06	Transit Fleet Management
	PT07	Transit Passenger Counting
	PT08	Transit Traveler Information
	PT09	Transit Signal Priority
	PT10	Intermittent Bus Lanes
	PT11	Transit Pedestrian Indication
	PT14	Multi-modal Coordination
	PT16	Route ID for the Visually Impaired
	PT17	Transit Connection Protection
	PT18	Integrated Multi-Modal Electronic Payment
<b>Support</b>	SU01	Connected Vehicle System Monitoring and Management
	SU02	Core Authorization
	SU03	Data Distribution
	SU04	Map Management
	SU05	Location and Time
	SU06	Object Registration and Discovery
	SU07	Privacy Protection
	SU08	Security and Credentials Management
	SU09	Center Maintenance
	SU10	Field Equipment Maintenance
	SU11	Vehicle Maintenance
	SU12	Traveler Device Maintenance
<b>Sustainable Travel</b>	ST01	Emissions Monitoring
	ST02	Eco-Traffic Signal Timing
	ST03	Eco-Traffic Metering
	ST04	Roadside Lighting
	ST05	Electric Charging Stations Management
	ST06	HOV/HOT Lane Management
	ST08	Eco-Approach and Departure at Signalized Intersections
	ST09	Connected Eco-Driving
	<b>Traffic Management</b>	TM01
TM02		Vehicle-Based Traffic Surveillance
TM03		Traffic Signal Control
TM04		Connected Vehicle Traffic Signal System
TM05		Traffic Metering
TM06		Traffic Information Dissemination
TM07		Regional Traffic Management
TM08		Traffic Incident Management System
TM09		Integrated Decision Support and Demand Management

Service Package Area	Short Name	Name	
	TM10	Electronic Toll Collection	
	TM11	Road Use Charging	
	TM12	Dynamic Roadway Warning	
	TM13	Standard Railroad Grade Crossing	
	TM14	Advanced Railroad Grade Crossing	
	TM15	Railroad Operations Coordination	
	TM16	Reversible Lane Management	
	TM17	Speed Warning and Enforcement	
	TM19	Roadway Closure Management	
	TM20	Variable Speed Limits	
	TM21	Speed Harmonization	
	TM22	Dynamic Lane Management and Shoulder Use	
<b>Traveler Information</b>	TI01	Broadcast Traveler Information	
	TI02	Personalized Traveler Information	
	TI03	Dynamic Route Guidance	
	TI04	Infrastructure-Provided Trip Planning and Route Guidance	
	TI05	Travel Services Information and Reservation	
	TI06	Dynamic Ridesharing and Shared Use Transportation	
	TI07	In-Vehicle Signage	
<b>Vehicle Safety</b>	VS01	Autonomous Vehicle Safety Systems	
	VS02	V2V Basic Safety	
	VS03	V2V Situational Awareness	
	VS04	V2V Special Vehicle Alert	
	VS05	Curve Speed Warning	
	VS08	Queue Warning	
	VS09	Reduced Speed Zone Warning / Lane Closure	
	VS10	Restricted Lane Warnings	
	VS11	Oversize Vehicle Warning	
	VS12	Pedestrian and Cyclist Safety	
	VS13	Intersection Safety Warning and Collision Avoidance	
	VS14	Cooperative Adaptive Cruise Control	
	VS15	Infrastructure Enhanced Cooperative Adaptive Cruise Control	
	VS16	Automated Vehicle Operations	
	VS17	Traffic Code Dissemination	
	<p><i>Note: CONNECT-IT service packages may differ from service packages identified in the National ITS Reference Architecture (ARC-IT). For any service packages not represented in CONNECT-IT, refer to ARC-IT by accessing <a href="http://www.arc-it.net">www.arc-it.net</a>. Contact the administrator at <a href="mailto:sharmas@metro.net">sharmas@metro.net</a> for questions regarding CONNECT-IT.</i></p>		

**ATTACHMENT G-2**  
**SPECIAL GRANT CONDITIONS**  
SIGNAL SYNCHRONIZATION, INTELLIGENT TRANSPORTATION SYSTEMS (ITS),  
AND TRANSPORTATION TECHNOLOGY IMPROVEMENTS

1. Grantee is required to attend the LACMTA Arterial ITS Committee Meetings quarterly. Grantee shall coordinate through the Arterial ITS Committee, the Coalition for Transportation Technology and/or other appropriate and recognized forums to ensure consistency with local, subregional and regional ITS plans. Grantee shall provide the opportunity to LACMTA staff and other affected agencies to review, comment and participate on all aspects of the Project implementation to achieve multi-jurisdictional consensus, including, but not limited to, scope of work, consultant selection, PS&E, system design, bid documents and Project deliverables.
2. Grantee shall coordinate with LA County DPW and shall not advertise the Project for bid to begin construction before all affected agencies have fully executed an agreement regarding the maintenance and operation of traffic signal synchronization system(s) along multi-jurisdictional corridor(s). Grantee shall deliver a copy of the fully executed agreement to LACMTA within seven (7) days from the date of full execution.
3. Grantee shall commit and/or secure non-LACMTA funds to maintain and operate the Project improvements. Operations and maintenance plans shall be developed for all ITS projects. For multi-jurisdictional projects, multi-agency agreements shall be executed committing to the long-term operations and maintenance of shared project elements.
4. Grantee's Project shall not make major equipment or timing-plan changes on other Metro funded projects, within the first two years of Grantee's Project implementation/system operation without LACMTA or lead agency prior written approval.
5. For all central traffic control system projects, Grantee shall coordinate the system design through LACMTA staff to allow communication with the Los Angeles County Information Exchange Network (IEN) to facilitate multi-jurisdictional traffic management and coordination.
6. Grantee shall ensure Countywide Signal Priority (CSP) capabilities are maintained when Grantee's Project is on an existing CSP corridor.
7. Grantee shall make available all data from the Project, including, without limitation, improvements and inventory data, to LACMTA upon request.

Grantee shall:

- a. provide real-time traffic data from the Project, if available, to the County IEN

- b. allow for archiving through the Regional Integration of ITS (RIITS) Network or any regional ITS software to support regional transportation planning and operations
  - c. populate ITS Field Inventory Resource Sharing Tool (ITS FIRST) with data upon completion of project
8. Grantee shall ensure that the project uses a generally accepted system engineering approach to maintain the integrity and quality of completed projects.
9. Grantee's project shall adhere to existing Metro guidelines for specific subprograms as applicable.

The obligations set forth in this section shall survive the expiration or termination of this Agreement.