

# **Landside Access Modernization Program (LAMP)**

Mitigation Monitoring and Reporting Program

2017 Annual Progress Report

Prepared by Los Angeles World Airports  
Environmental Programs Group and  
Planning & Development Group  
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# Introduction

## Landside Access Modernization Program (LAMP)

The California Environmental Quality Act (CEQA) requires the adoption of a Mitigation Monitoring and Reporting Program (MMRP) to reduce the severity and magnitude of potentially significant environmental impacts associated with a development project. The adopted MMRP describes the procedures for the implementation of a project's mitigation measures through all phases of the project, including design, construction, and operation. Monitoring and implementation of all of the measures are the responsibility of Los Angeles World Airports (LAWA), and/or the party carrying out the project. LAWA, at its discretion, may delegate implementation responsibility or portions thereof to a licensed contractor or other responsible party.

The primary purpose of this report is to document and report on the status of the current and recently completed mitigation measures set forth in the adopted MMRP for the period from **January 1, 2017 through December 31, 2017**.

\*To view the adopted MMRP for the Landside Access Modernization Program, please [click here](#).

# Project Background

## Landside Access Modernization Program (LAMP)

The Landside Access Modernization Program (LAMP) is a multi-billion dollar capital improvement project that seeks to enrich passenger experience, relieve congestion, and enhance LAX's status as a world-class airport. Key components of LAMP include the construction of an Automated People Mover (APM) system, Intermodal Transportation Facilities (ITFs), a Consolidated Rental Car Facility (ConRAC), and associated roadway improvements.

In order to implement this complex project, each component is anticipated to have its own construction and design team. Mitigation measures may be applicable to one or more projects and reported on by multiple teams, as well as Los Angeles World Airports (LAWA).

This Annual Progress Report for the LAMP Mitigation Monitoring and Reporting Program (MMRP) includes the progress made during the past reporting year. **It should be noted that only one team conducted construction activities during the 2017 reporting period.**

# Anticipated Development Teams

## Landside Access Modernization Program (LAMP)

Team	Acronym/ Abbreviation	General Scope of Work	Active during 2017
Automated People Mover	APM	Generally responsible for the design/construction of the six APM stations, APM guideway, and the APM Maintenance and Service Facility (MSF), including roadways and other improvements.	No
Consolidated Rent-a-Car Facility	ConRAC	Responsible for the design/construction of the ConRAC facility.	No
Intermodal Transportation Facility – West	ITFW	Responsible for the design/construction of ITF – West, which will provide a location outside of the terminals where people can park and then ride the APM into the airport.	No
Utilities and LAMP Enabling Projects	LULEP	Responsible for utility relocations, roadway improvements, and other enabling projects and services.	Yes

# MMRP Summary Table Overview

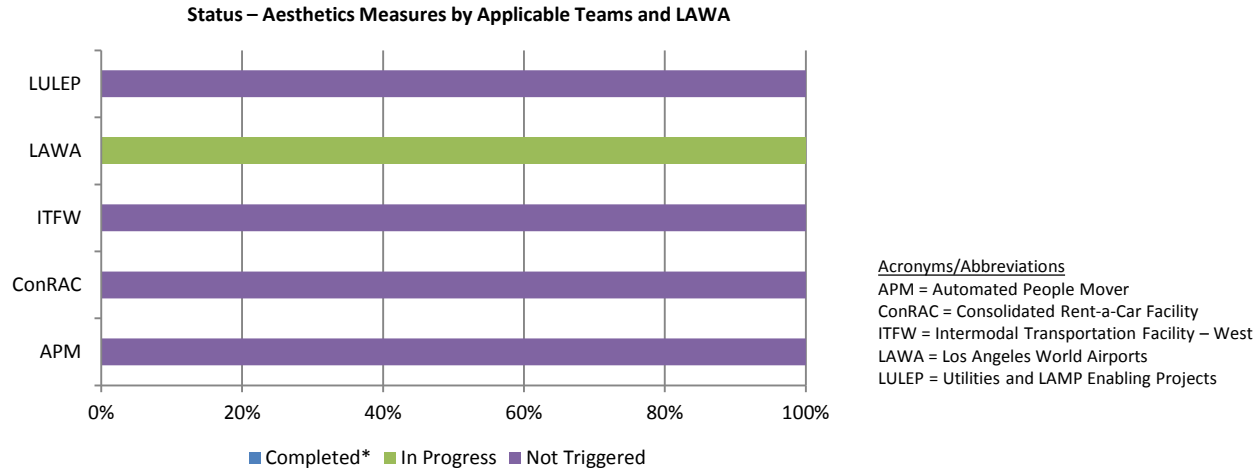
## Landside Access Modernization Program (LAMP)

The MMRP Summary Table provides an overview of the progress of the implementation of mitigation measures during the reporting period. The following are the column and status definitions found in the table:

- **Resource Category** – lists the environmental factor/resource category
- **Measure ID** – lists the mitigation number as identified in the project’s MMRP
- **Status** – the following categories state the progress of the measure’s implementation at time of reporting:
  - **Completed:** Mitigation measure was completed during this reporting period.
  - **In Progress:** Mitigation measure was implemented or is ongoing during the reporting period.
  - **Not Triggered:** Mitigation measure was not triggered during the reporting period. These measures may be triggered in future reporting periods.
- **Responsible Party** – The development team responsible for implementing the mitigation measure. This also includes LAWA. Please note that LAMP contains multiple components that are expected to begin implementation at different timeframes.

# Aesthetics

## Landside Access Modernization Program (LAMP)

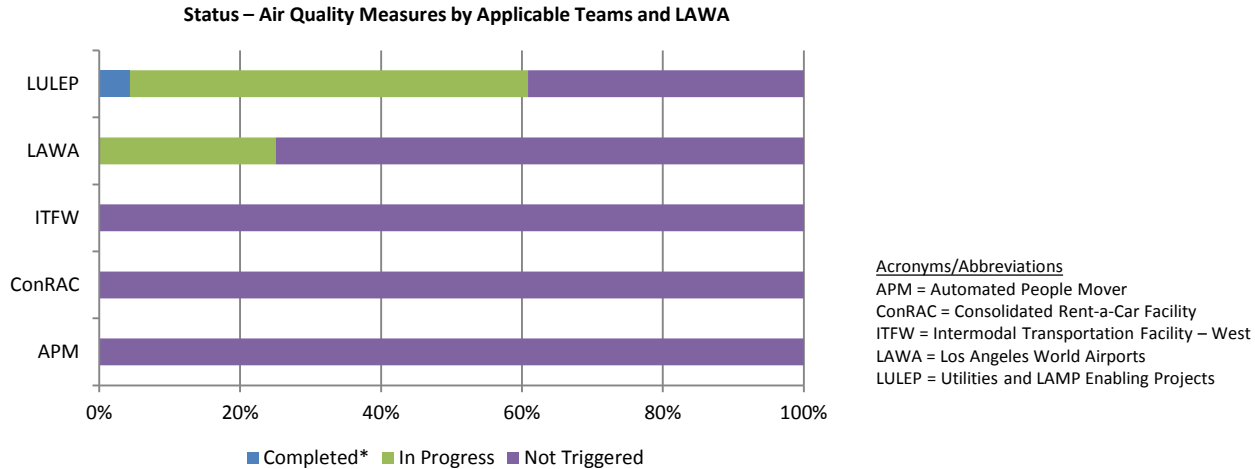


Measure ID	Overview	Status	Summary of how goal was/is being met	Responsible Party
MM-A (LAMP)-1	Protection of the Theme Building's aesthetic context	In Progress	LAWA adopted the LAX Design Guidelines in March 2017 which includes guidelines for the protection of the Theme Building. Compliance with the Design Guidelines and this mitigation measure was included in the APM Request for Proposals (RFP) released in July 2017.	APM, LAWA

\*All applicable teams must complete the measure in order for it to be considered "completed."

# Air Quality

## Landside Access Modernization Program (LAMP)



Measure ID	Overview	Status	Summary of how goal was/is being met	Responsible Party
LAX-AQ-1b	Cover or treat all ground surfaces	In Progress	The LULEP contractor is covering or periodically watering graded areas, as feasible and appropriate for the particular improvements underway.	All Contractors
LAX-AQ-1c	Lay building pads/install roadways, sidewalks, etc. as soon as practical	In Progress	This occurs as practical for each project. During the reporting period, LULEP widened a service road in the Central Terminal Area and repaved it in December 2017.	All Contractors
LAX-AQ-1d	Prohibit idling/queuing of diesel-fueled vehicles in excess of 5 minutes	In Progress	No violations were noted in 2017.	All Contractors
LAX-AQ-1e	Outfit construction diesel-fueled equipment with the best available emission control devices	In Progress	The LULEP contractor submitted equipment lists to LAWA for review and approval. Thirty-eight (38) on-road and thirty-one (31) off-road equipment were approved. No violations were noted in 2017.	All Contractors

\*All applicable teams must complete the measure in order for it to be considered “completed.”



# Air Quality (cont.)

## Landside Access Modernization Program (LAMP)

Measure ID	Overview	Status	Summary of how goal was/is being met	Responsible Party
LAX-AQ-1g	Have construction employees' work/commute during the off-peak hours to the extent feasible	In Progress	The standard work hours for construction employees is 7:00 a.m. to 3:30 p.m., which avoids peak commute hours.	All Contractors
LAX-AQ-1h	Make on-site lunch trucks available during construction	In Progress	Lunch trucks visited areas available to construction workers on a regular basis during the 2017 reporting period.	All Contractors
LAX-AQ-1j	Provide electricity from the electric grid and portable generators using clean-burning diesel	In Progress	The LAMP Project Management Offices (PMO) and Field Management Offices (FMO) are connected to grid power.	All Contractors
LAX-AQ-1i	Prohibit construction equipment engine tampering	In Progress	No violations were noted in 2017.	All Contractors
LAX-AQ-1m	Designate a person(s) to ensure implementation of all construction-related measures	In Progress*	The LULEP contractor designated a point of contact to ensure the implementation of all construction-related measures. This measure is complete for LULEP.	All Contractors
LAX-AQ-1n	Locate rock-crushing operations and laydown/stockpile areas away from LAX-adjacent residents, to the extent possible	In Progress	Rock crushing did not occur during the 2017 reporting period. The LULEP laydown/stockpile area is located at an existing LAX yard at 6401 Westchester Parkway and in an area away from LAX-adjacent residents.	All Contractors

\*All applicable teams must complete the measure in order for it to be considered "completed."

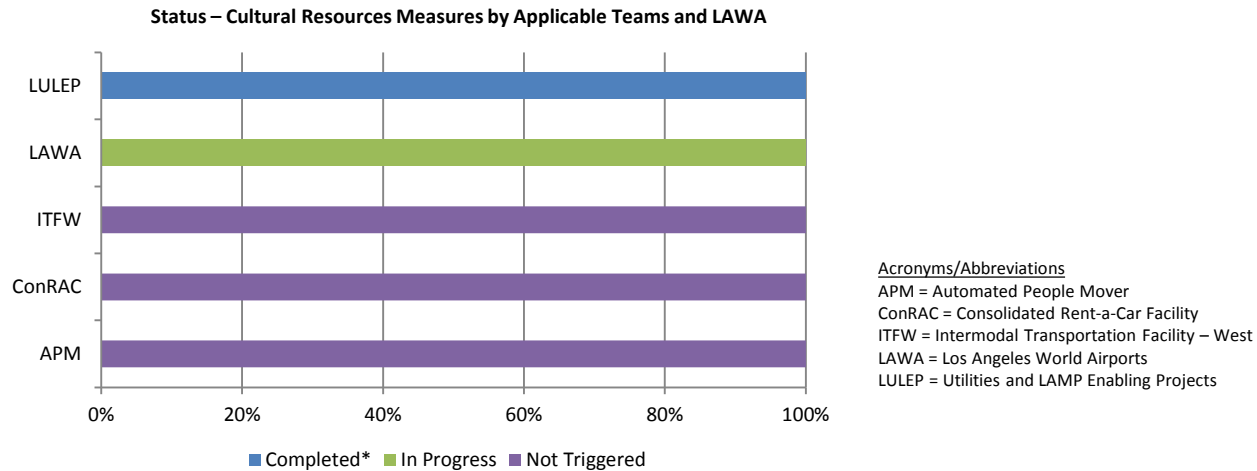
# Air Quality (cont.)

## Landside Access Modernization Program (LAMP)

Measure ID	Overview	Status	Summary of how goal was/is being met	Responsible Party
LAX-AQ-1o	On-road trucks 14,001lbs or more must comply with USEPA 2010 on-road standards for PM10 and NOx	In Progress	The LULEP contractor submitted equipment lists to LAWA for review and approval. Thirty-eight (38) pieces of on-road equipment were approved. No violations noted in 2017.	All Contractors
LAX-AQ-1p	Off-road diesel-powered construction equipment greater than 50 horsepower shall meet minimum USEPA Tier 4 (final) off-road emission standards	In Progress	The LULEP contractor submitted equipment lists to LAWA for review and approval. Equipment less than Tier 4 (final) required the contractor to provide documentation of having conducted a good faith effort that Tier 4 (final) equipment was not available. Thirty-one (31) pieces of off-road equipment, including one (1) exemption, were approved. No violations were noted in 2017.	All Contractors
LAX-AQ-1q	LAX-AQ-1o and LAX-AQ-1p above shall apply unless exemptions are granted	In Progress	One (1) Tier 4 (interim) piece of off-road equipment was approved under this measure in the 2017 reporting period. No violations were noted in 2017.	All Contractors
LAX-AQ-2a	Preferential parking locations and free charging for low/zero emissions vehicles	In Progress	In the 2017 reporting period, LAWA added fifty-five (55) free EV charging stations at LAX. This requirement is included in construction contracts when applicable.	All Contractors, LAWA
MM-AQ(LAMP)-1	Preferential use of renewable diesel fuel for construction equipment	In Progress	The LULEP contractor developed plans to contract with a fuel trucking company to provide renewable diesel fuel. That proposal is currently being reviewed and considered by LAWA and the contractor's management.	All Contractors

# Cultural Resources

## Landside Access Modernization Program (LAMP)



Measure ID	Overview	Status	Summary of how goal was/is being met	Responsible Party
LAX-AR-1	LAWA Archaeological Treatment Plan conformance	In Progress*	The LULEP contractor retained a cultural resources (archaeological, historical, and paleontological) firm to serve as the monitor. This measure is complete for LULEP.	All Contractors
LAX-AR-2	Archaeological resources briefing	In Progress*	The archaeological/paleontological briefing of LULEP construction personnel occurred in August 2017 with twenty-one (21) individuals in attendance, including several LAWA project managers (PM). LAWA PMs may need to attend future briefings for other LAMP components. This measure is complete for LULEP.	All Contractors, LAWA
LAX-PR-1	LAWA Paleontological Management Treatment Plan conformance	In Progress*	See LAX-AR-1 above.	All Contractors
LAX-PR-2	Paleontological resources briefing	In Progress*	See LAX-AR-2 above.	All Contractors, LAWA

\*All applicable teams must complete the measure in order for it to be considered “completed.”

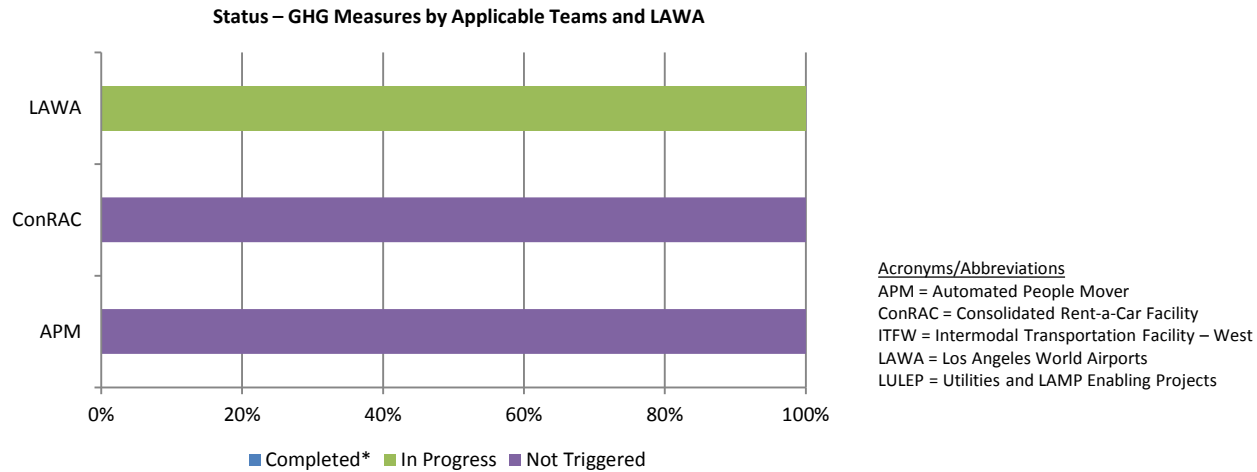
# Cultural Resources (cont.)

## Landside Access Modernization Program (LAMP)

Measure ID	Overview	Status	Summary of how goal was/is being met	Responsible Party
MM-HR (LAMP)-1	Preservation of the Theme Building and its setting	In Progress	LAWA prepared a Historical Resources Report (HSR) for the Theme Building in 2017, which will be used for the building's rehabilitation and preservation efforts.	APM, LAWA
MM-HR (LAMP)-2	Protection of 1961 Airport Traffic Control Tower (ATCT)	In Progress	The Clifton A. Moore Administration Building adjacent to the 1961 ATCT will no longer be demolished as part of LAMP. LAWA may prepare an HSR for the ATCT to identify character-defining features and preservation and rehabilitation guidelines.	APM, LAWA

# Greenhouse Gas Emissions

## Landside Access Modernization Program (LAMP)

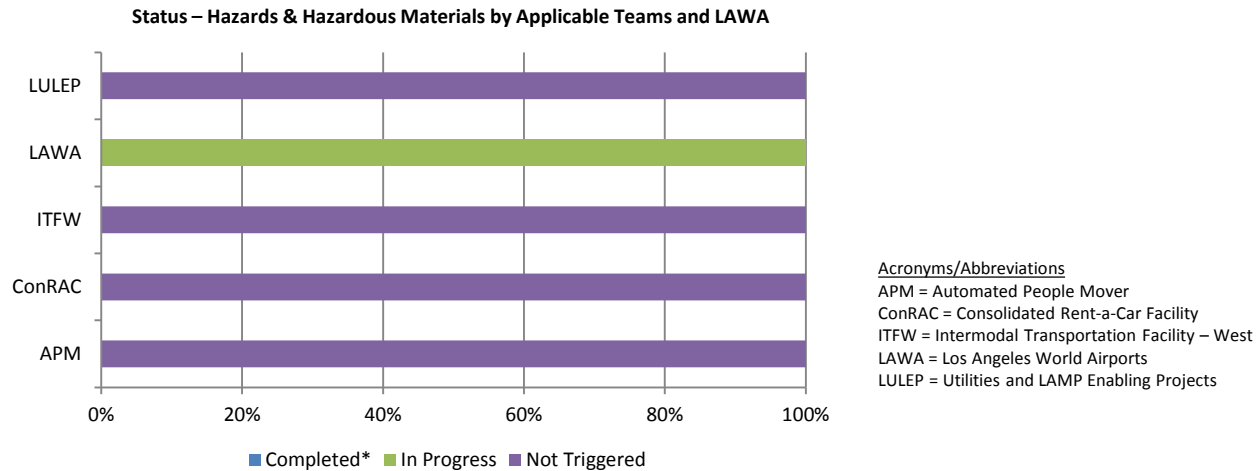


Measure ID	Overview	Status	Summary of how goal was/is being met	Responsible Party
MM-GHG (LAMP)-1	Solar Energy in LAMP Facilities	In Progress	LAWA prepared a Solar Feasibility Study in February 2017 and included this requirement in LAMP-related Request for Proposals (RFPs) and construction contracts when feasible.	APM, ConRAC, LAWA

\*All applicable teams must complete the measure in order for it to be considered “completed.”

# Hazards & Hazardous Materials

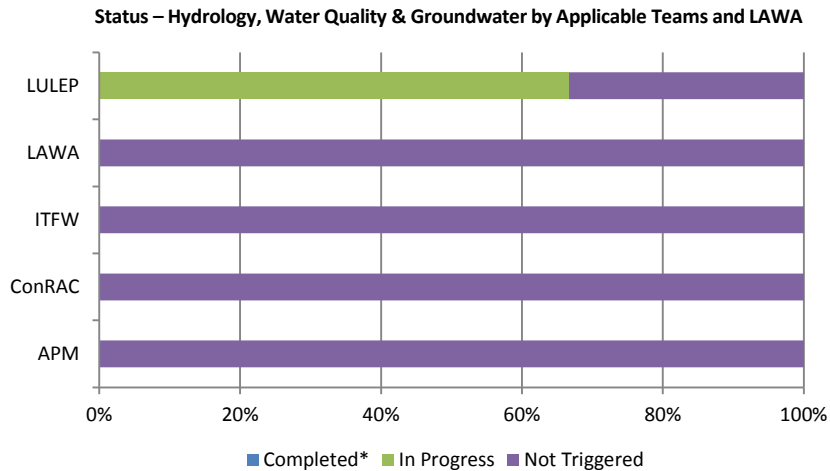
## Landside Access Modernization Program (LAMP)



Measure ID	Overview	Status	Summary of how goal was/is being met	Responsible Party
LAX-HM-1	Existing remediation efforts affected by onsite construction	In Progress	LAWA prepared a Hazardous Materials Assessment (HMA) of the proposed APM alignment in March 2017 to identify potential and/or known environmental concerns that may be encountered during construction. In addition, LULEP-related construction did not occur in or near existing onsite remediation areas.	All Contractors, LAWA
LAX-HM-2	Existing remediation efforts on parcels subject to acquisition	In Progress	There were no existing remediation efforts on parcels that were acquired by LAWA in 2017. However, LAWA conducted Phase 1 and Phase 2 site assessments for potential future remediation efforts on several properties acquired in Manchester Square.	All Contractors, LAWA

\*All applicable teams must complete the measure in order for it to be considered “completed.”

# Hydrology, Water Quality, & Groundwater Landside Access Modernization Program (LAMP)



Acronyms/Abbreviations

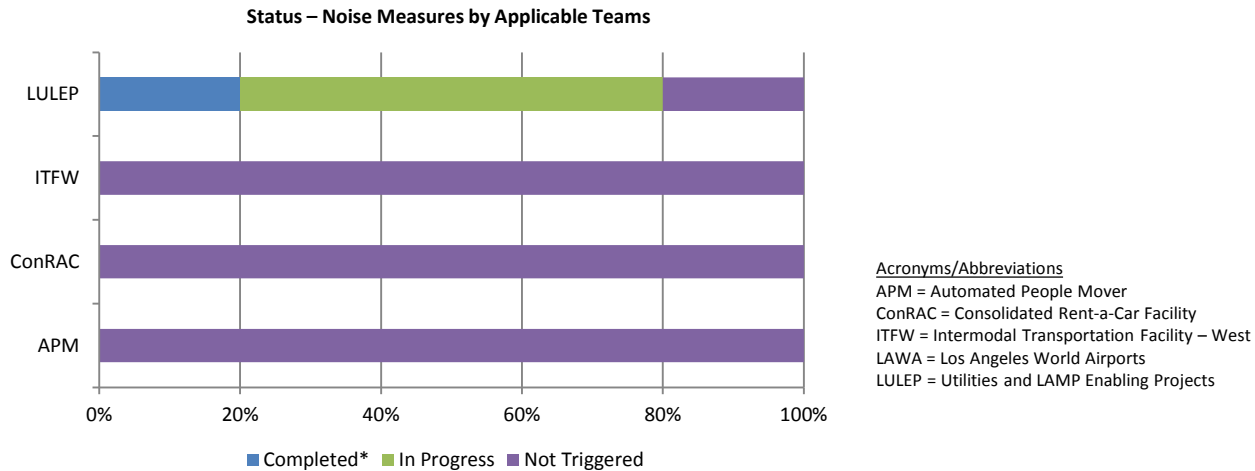
APM = Automated People Mover  
 ConRAC = Consolidated Rent-a-Car Facility  
 ITFW = Intermodal Transportation Facility – West  
 LAWA = Los Angeles World Airports  
 LULEP = Utilities and LAMP Enabling Projects

Measure ID	Overview	Status	Summary of how goal was/is being met	Responsible Party
MM-HWA (LAMP)-1	Project-Specific Stormwater Management Facilities	In Progress	This requirement is included in the construction contract when applicable.	All Contractors
MM-HWA (LAMP)-2	Improvements to address existing drainage deficiencies along 96 <sup>th</sup> St., Airport Blvd., and Century Blvd.	In Progress	This requirement is included in the construction contract when applicable. The LULEP contractor’s scope of work included the design for 96 <sup>th</sup> Street with drainage improvements as required.	All Contractors

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# Noise

## Landside Access Modernization Program (LAMP)



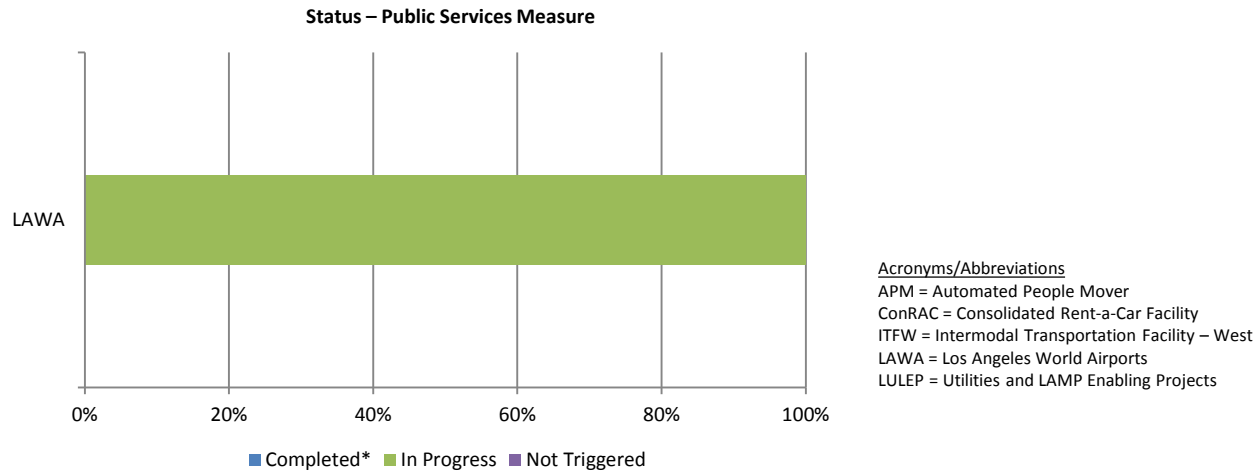
Measure ID	Overview	Status	Summary of how goal was/is being met	Responsible Party
LAX-N-1a	Construction Noise Control Plan	In Progress*	A Noise Control Plan was completed in September 2017 for LULEP and approved by the LAWA LAMP team. This measure is complete for LULEP.	All Contractors
LAX-N-1b	Construction Staging	In Progress	Staging for LULEP is located at 6401 Westchester Parkway in an existing LAX construction-staging area.	All Contractors
LAX-N-1c	Equipment Replacement	In Progress	This is a construction contract requirement. The LULEP contractor complied with this measure during the 2017 reporting period.	All Contractors
LAX-N-1d	Construction Scheduling	In Progress	This is a construction contract requirement. The LULEP contractor complied with this measure during the 2017 reporting period.	All Contractors

\*All applicable teams must complete the measure in order for it to be considered “completed.”



# Public Services

## Landside Access Modernization Program (LAMP)

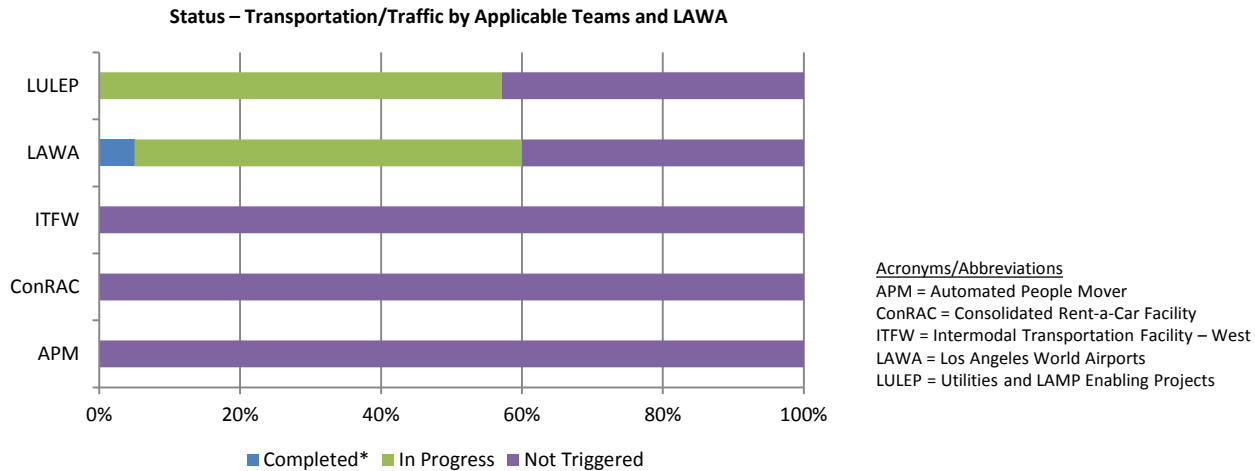


Measure ID	Overview	Status	Summary of how goal was/is being met	Responsible Party
MM-PS (LAMP)-1	School Relocations	In Progress	LAWA is working with the Los Angeles Unified School District (LAUSD) with regards to the relocation of the two schools in Manchester Square.	LAWA

\*All applicable teams must complete the measure in order for it to be considered “completed.”

# Transportation/Traffic

## Landside Access Modernization Program (LAMP)



Measure ID	Overview	Status	Summary of how goal was/is being met	Responsible Party
MM-ST (LAMP)-1	Construction Traffic Project Task Force and Coordination	In Progress*	LAWA established a Construction Traffic Project Task Force for LAMP in 2017. The Task Force reviews and approves Area Shutdown Requests (ASRs) and LAMP Impact Requests (LIRs), both of which delineate traffic control measures on- and off-airport property, respectively. The Task Force has ongoing meetings to review construction traffic requests and contractors will continue to coordinate with it throughout the life of the project. This measure is complete for LAWA.	All Contractors, LAWA
MM-ST (LAMP)-2	Maintenance of Traffic	In Progress	The LULEP contractor maintained traffic per temporary traffic maintenance plans submitted to and approved by LADOT and other appropriate agencies for construction activities during the 2017 reporting period.	All Contractors

\*All applicable teams must complete the measure in order for it to be considered “completed.”

# Transportation/Traffic (cont.)

## Landside Access Modernization Program (LAMP)

Measure ID	Overview	Status	Summary of how goal was/is being met	Responsible Party
MM-ST (LAMP)-3	Worksite Traffic Control Plans	In Progress	As indicated in MM-ST (LAMP)-1, ASR/LIRs were prepared by the LULEP contractor, which specify traffic control measures. The ASRs/LIRs effectively serve as a Worksite Traffic Control Plans.	All Contractors
MM-ST (LAMP)-5	Traffic Maintenance During Construction	In Progress	As described in MM-ST (LAMP)-1, the Task Force reviews and approves ASRs/LIRs, which delineate traffic control measures. During the 2017 reporting period, the Task Force approved sixteen (16) ASRs and ten (10) LIRs for LULEP-related work.	All Contractors
MM-ST (LAMP)-6	Transportation Demand Management (TDM) Program	In Progress	LAWA is working with the City of Inglewood to develop a TDM program. In addition, LAWA and Inglewood signed a Memorandum of Understanding (MOU) in June 2017 which provides approximately \$25.5 million in total funds for TDM and ITS mitigation measures including MM-ST (LAMP)-7, -8, -11, -13, -14, -16 and -18.	LAWA
MM-ST (LAMP)-7	City of Inglewood Intelligent Transportation System (ITS)	In Progress	See MM-ST (LAMP)-6 above.	LAWA
MM-ST (LAMP)-8	Closed Circuit TV (CCTV) Camera and Changeable Message Signs (CMS)	In Progress	See MM-ST (LAMP)-6 above for City of Inglewood mitigation measures. In addition, the installation of CMS on major approaches to the Central Terminal Area is included in LULEP's scope of work and scheduled for 2018.	LAWA, LULEP
MM-ST (LAMP)-11	La Cienega Boulevard/Arbor Vitae Street Intersection Modification(s)	In Progress	This measure was included in the MOU between the City of Inglewood and LAWA. The City of Inglewood is required to implement the measure no later than 2023.	LAWA
MM-ST (LAMP)-13	La Cienega Boulevard/Florence Avenue Intersection Modification(s)	In Progress	See MM-ST (LAMP)-11 above.	LAWA

# Transportation/Traffic (cont.)

## Landside Access Modernization Program (LAMP)

Measure ID	Overview	Status	Summary of how goal was/is being met	Responsible Party
MM-ST (LAMP)-14	Inglewood Avenue/Century Boulevard Intersection Modification(s)	In Progress	This measure was included in the MOU between the City of Inglewood and LAWA. The City of Inglewood is required to implement the measure no later than 2023.	LAWA
MM-ST (LAMP)-16	La Cienega Boulevard/Manchester Boulevard Intersection Modification(s)	In Progress	See MM-ST (LAMP)-14 above.	LAWA
MM-ST (LAMP)-18	La Brea Avenue/Hawthorne Boulevard and Century Boulevard Intersection Modification(s)	In Progress	See MM-ST (LAMP)-14 above.	LAWA
MM-ST (LAMP)-22	I-405 Corridor and Network Connectivity Enhancements	In Progress	LAWA is working with Caltrans to determine a “fair-share contribution.”	LAWA
MM-ST (LAMP)-23	I-105 Freeway Intelligent Transportation System (ITS) Improvements	In Progress	LAWA is working with Caltrans to determine a “fair-share contribution.”	LAWA
MM-ST (LAMP)-24	I-405 Freeway Intelligent Transportation System (ITS) Improvements	In Progress	LAWA is working with Caltrans to determine a “fair-share contribution.”	LAWA

# **Appendix A**

Measures Not Triggered in 2017

# Appendix A

## Measures Not Triggered in 2017

Appendix A provides a list of mitigation measures that were not triggered during the 2017 reporting period. However, these mitigation measures will be reported on in future progress reports.

Measure ID	Resource Category	Overview
LAX-A-1	Aesthetics	Lighting controls
LAX-AQ-1a	Air Quality	Post signage for dust complaints
LAX-AQ-1f	Air Quality	Pave construction access roads
LAX-AQ-1i	Air Quality	Utilize on-site rock crushing facility, when feasible
LAX-AQ-1k	Air Quality	Suspend construction equipment during second stage smog alerts
LAX-AQ-2b	Air Quality	Measures to reduce air emissions of vehicles in line to exit parking lots
LAX-AQ-2c	Air Quality	On-site parking lot circulation plan
LAX-AQ-2d	Air Quality	Promote "best-engine" technology for rental cars
LAX-AQ-2e	Air Quality	Consolidate non-rental car shuttles using super ultra low/zero emissions engines
LAX-AQ-2f	Air Quality	Cover parking structures and install solar panels where feasible
LAX-AQ-2h	Air Quality	Include advanced parking signage in new structures
LAX-AQ-3	Air Quality	Electric lawn mowers and leaf blowers

# Appendix A

## Measures Not Triggered in 2017

Measure ID	Resource Category	Overview
LAX-BR-1	Biological Resources	Nesting birds/raptors
LAX-BR-2	Biological Resources	Mature tree replacement – Nesting Raptors
MM-N (LAMP)-1	Noise	Noise Curtains
MM-HWA (LAMP)-3	Hydrology, Water Quality, & Groundwater	Maintenance of pre-development runoff rates and volumes for future related development project sites
MM-ST (LAMP)-4	Transportation/Traffic	Roadway Closure Restrictions
MM-ST (LAMP)-9	Transportation/Traffic	Airport Boulevard/Century Boulevard Intersection Modification(s)
MM-ST (LAMP)-10	Transportation/Traffic	Arbor Vitae Street/Concourse Way-Isis Avenue Intersection Modification(s)
MM-ST (LAMP)-12	Transportation/Traffic	La Cienega Boulevard/Century Boulevard Intersection Modification(s)
MM-ST (LAMP)-15	Transportation/Traffic	I-105 Freeway Ramps (east of Aviation Boulevard)/Imperial Highway Intersection Modification(s)
MM-ST (LAMP)-17	Transportation/Traffic	Sepulveda Boulevard/Century Boulevard Intersection Modification(s)
MM-ST (LAMP)-19	Transportation/Traffic	I-405 Northbound Auxiliary Lane
MM-ST (LAMP)-20	Transportation/Traffic	Imperial Highway Off-ramp
MM-ST (LAMP)-21	Transportation/Traffic	La Cienega Boulevard Additional Lane