



# **LAX of the Future: Customize SharePoint GIS to provide construction information**

2019 ESRI Conference – San Diego, CA  
July 11, 2019

Don Chinery, Los Angeles World Airports  
Ryan Mock, Los Angeles World Airports



*Los Angeles  
World Airports*

PLANNING & DEVELOPMENT GROUP

- 
- A faint, light gray world map is visible in the background of the slide, centered behind the text.
- ✓ LAX Development Program
  - ✓ CALM – Coordination and Logistics Management
  - ✓ Logistical Coordination Schedule
  - ✓ GIS Application
    - ✓ Integration with Navigate LA website
    - ✓ Deliverables Examples
    - ✓ Costs / Benefits

✓ Gateway to LA: 88 million passengers per year (2018)



LAX Airport





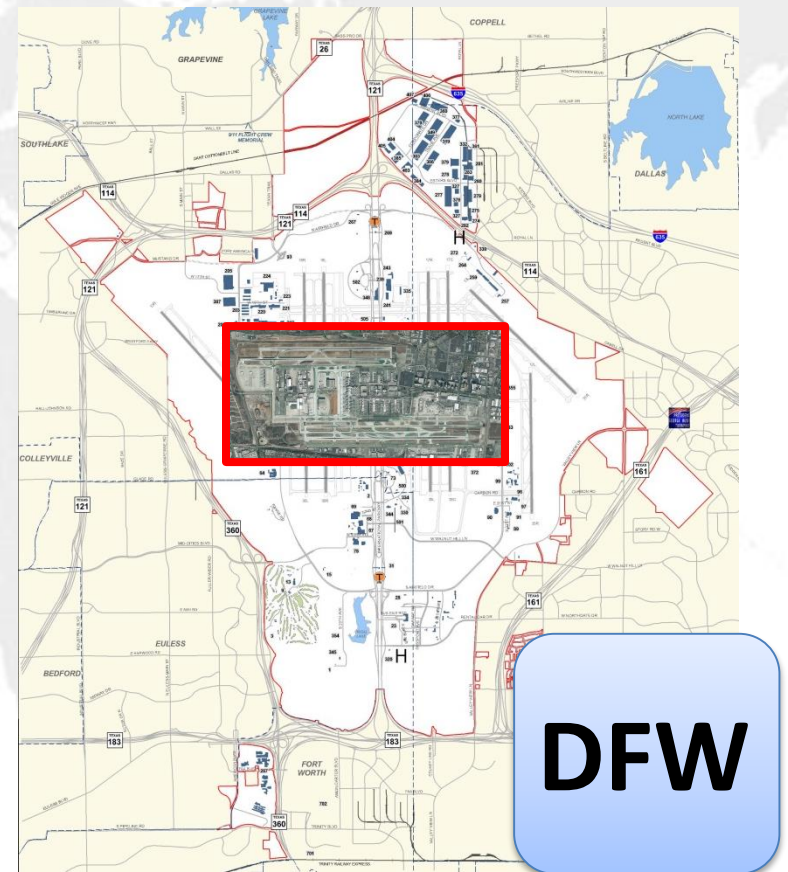
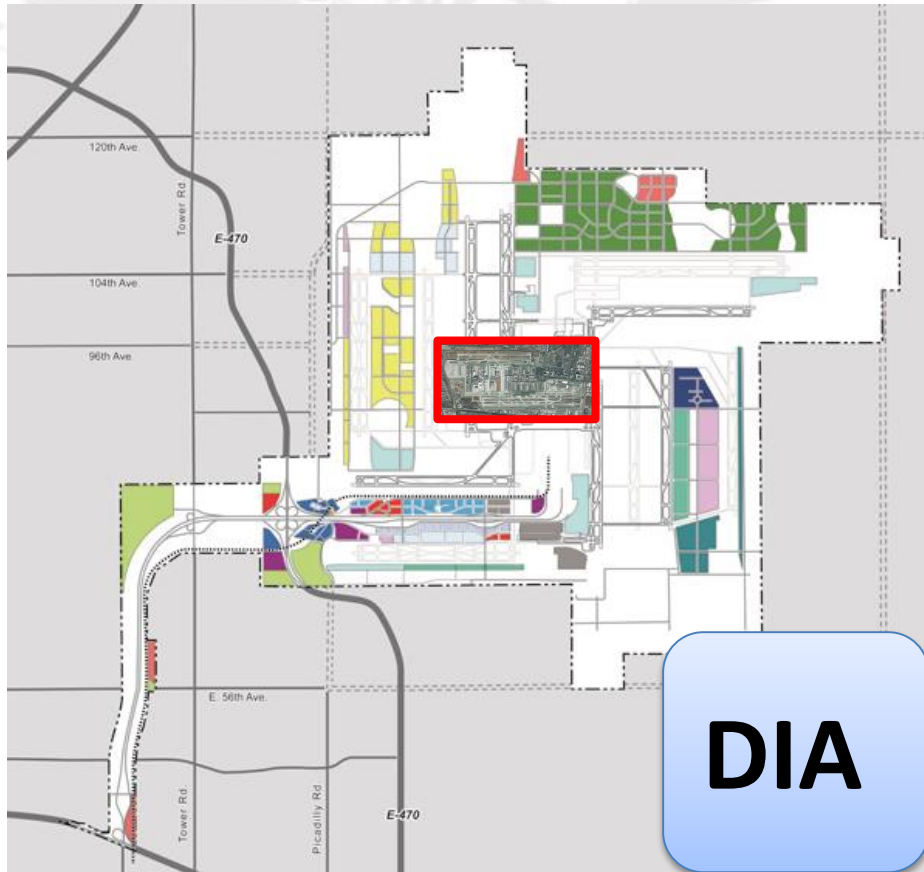
**Washington - Dulles**

**Orange  
County**

**NY/NJ -Newark**

**LAX Passenger Count**





# LAX Footprint

# Change is in the Air(port).

**LAX** WAY BETTER. REALLY.

- ✓ \$15 Billion of Construction Improvements
  - ✓ Capital, Airlines/Tenants, Maintenance Projects
  - ✓ 4 major phases – 2010 through 2028
- ✓ Nation's largest modernization airport project
- ✓ Largest public works project in Los Angeles' history



@FlyLAXAirport



@LAIInternationalAirport



@FlyLAXAirport

# Change is in the Air(port).

**LAX** WAY BETTER. REALLY.

## Major Upcoming Events:

- ✓ 2022 Super Bowl - Inglewood
- ✓ 2026 FIFA World Cup – Rose Bowl
- ✓ 2028 Summer Olympics



@FlyLAXAirport

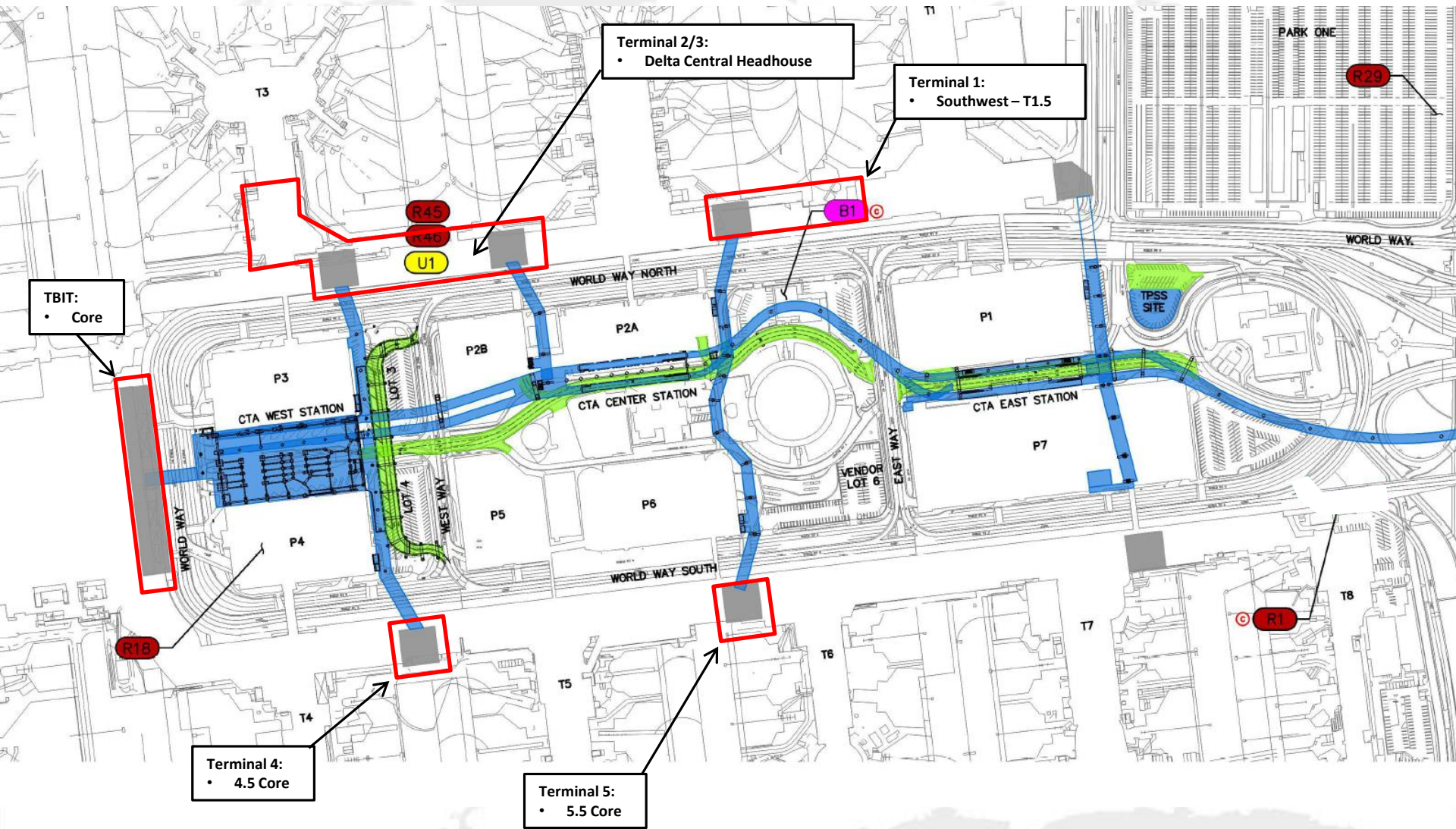


@LAIInternationalAirport



@FlyLAXAirport





# 2019 Central Terminal Area Projects



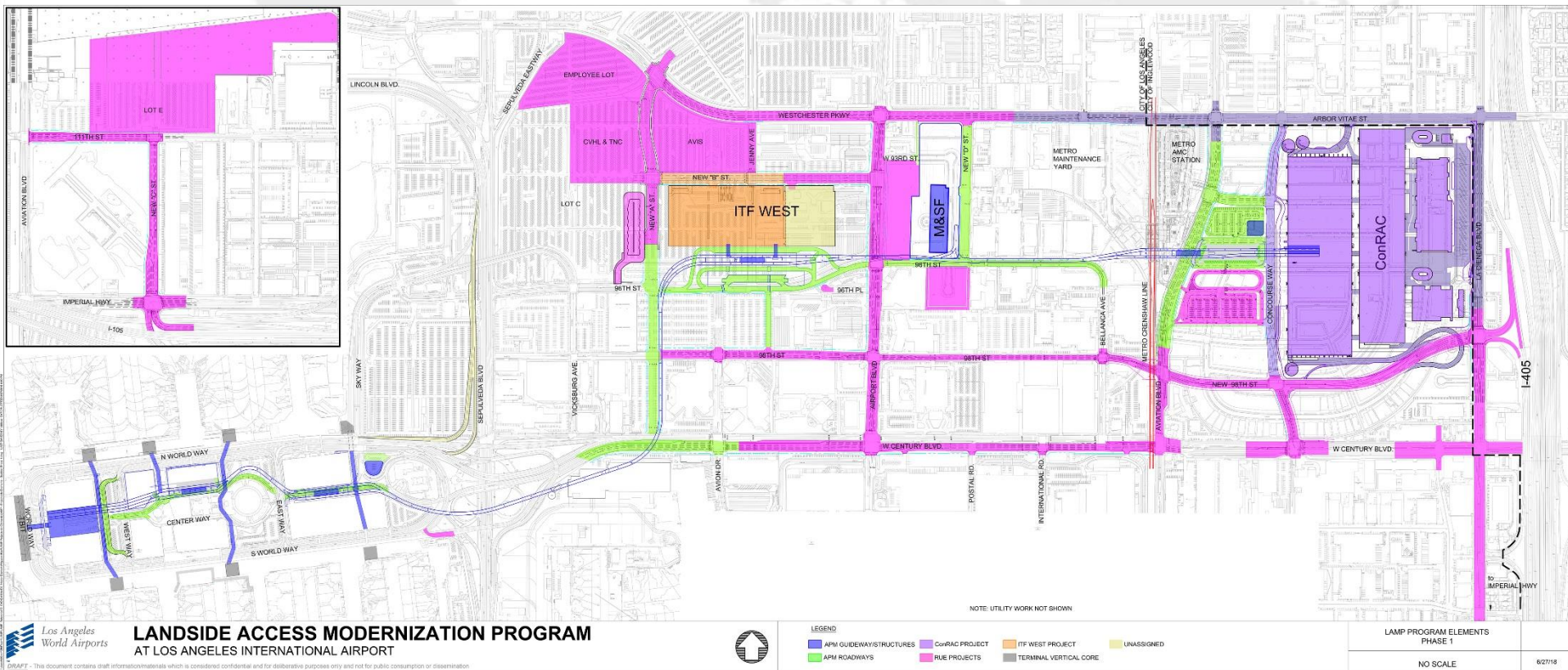
Photo Illustration



Central Terminal Area Future Skyline



- ✓ LAX is the busiest origin and destination airport in the world
- ✓ LAMP Program scheduled for completion in 2023
- ✓ LAMP: <https://www.lawa.org/en/connectinglax>
- ✓ LAWA Advisories: <https://www.lawa.org/en/connectinglax/construction-traffic-advisories>



# Landside Access Modernization Program (LAMP)





# Consolidated Rent-A-Car Center (CONRAC)



# Airport Metro Connector Station





Intermodal Transportation Facility (ITF)





Automated People Mover System (APM)



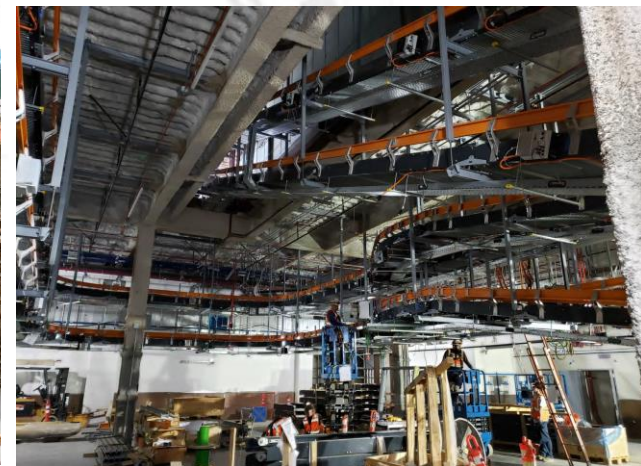
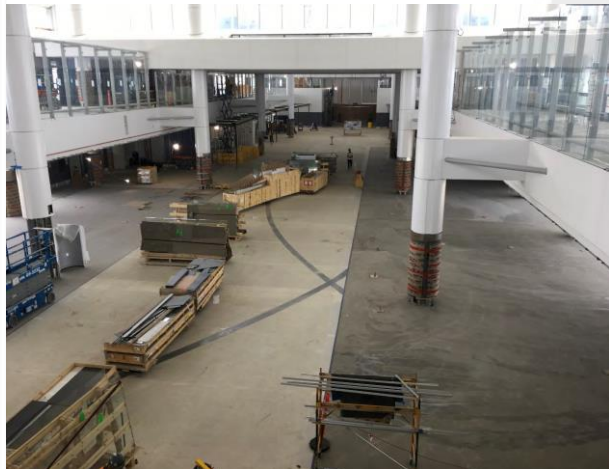
Automated People Mover System (APM)





Midfield Satellite Concourse (2020)





Midfield Satellite Concourse (2020)





Terminal 1.5 (2021)



Terminal 2/3 Delta Program (2023)





Terminal Cores (2022)

# C.A.L.M.

# Coordination And Logistics Management

*Minimizing construction-related impacts to passengers and tenants while maintaining a positive guest experience.*



- 
- ✓ Program Management Function
  - ✓ Program Controls Deliverables:
    - ✓ Logistical Coordination Schedule – all projects – published monthly
    - ✓ GIS Database – “Live” CALM Geodatabase
    - ✓ Schedule and Locational Information tracked from Planning through Design & Construction

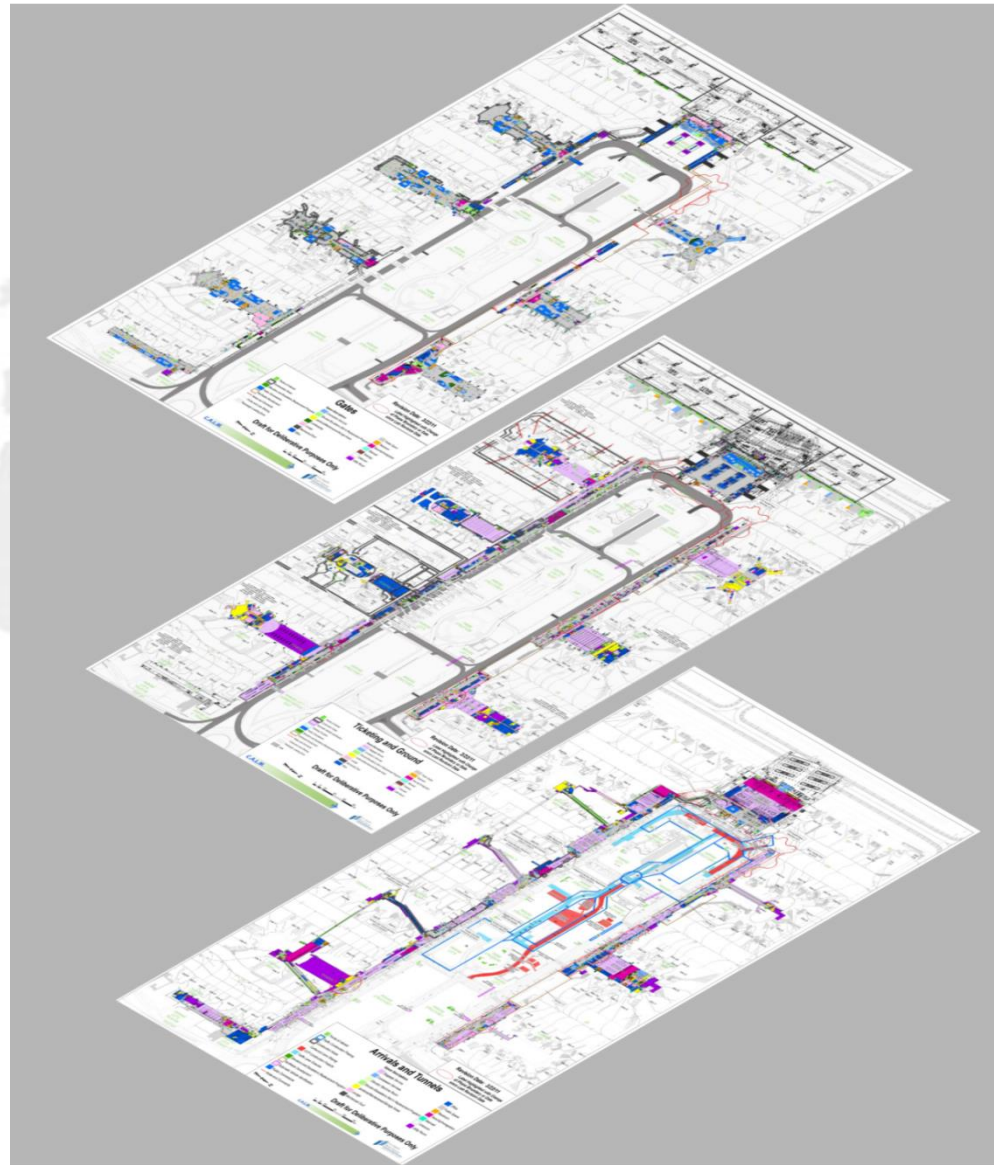
**LAX / VNY PLANNING & DEVELOPMENT GROUP**  
LOGISTICAL COORDINATION SCHEDULE  
(INTERNAL DRAFT: FOR PLANNING PURPOSES ONLY)

Activity Name	Input Date	Project Type	Total Proj. Cost	Const. Cost	Planning Rep.	PDG Rep.	Planning Start	Design Start	Const. Start	Const. Finish	2019												2020												2021																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Total	14-Jul-17		\$13,024,937,631	\$11,272,486,048			01-Jun-11	01-Aug-12	01-Apr-15	30-Jul-27	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q

# Logistical Coordination Schedule



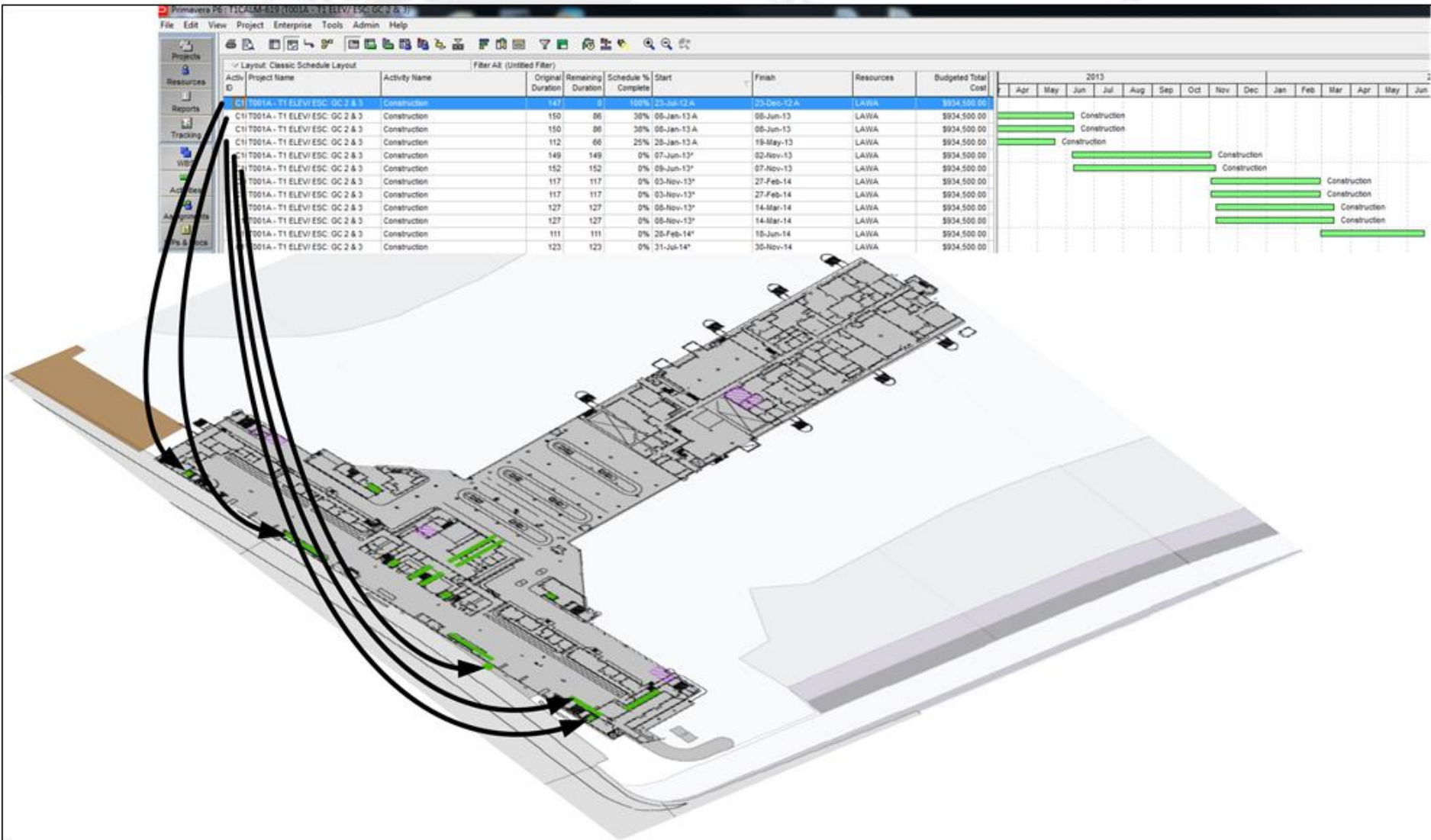
- ✓ ArcGIS Geodatabase
- ✓ Identify Locations for All Projects
- ✓ Interactive Map Application



- 
- ✓ Live Data
  - ✓ Efficient Packaging
  - ✓ Captures Active and Future Work Areas
  - ✓ Reports Scheduling
  - ✓ Reveals Time and Space Conflict
  - ✓ Stores Project Details
  - ✓ Provides Mapping for Logistical Coordination



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- A faint, light gray world map is visible in the background of the slide, centered behind the text.
- ✓ Project Locations for All Available Projects in the Master Schedule
  - ✓ Data Stored in ArcGIS Geodatabase
  - ✓ HTML 5 Language and SharePoint 2018
  - ✓ Information Displayed through Interactive Map Application on LAWA SharePoint Website – Access to Internal Airport Employees Only
  - ✓ Updated Daily
  - ✓ Project Information Captured Includes
    - ✓ Phasing and Site Logistics Plans
    - ✓ Construction Start and End Dates
    - ✓ Planning and Development Project Managers
    - ✓ Project Status (Planning, In Design, In Construction, Complete)
    - ✓ Contractor Information
    - ✓ Square Footage
  - ✓ Planning Tool (Examples Include Element Maps, Roadway Coordination, Laydown Areas)



# Systems Integration (P6 to ArcGIS)



## Welcome to LAWA PDG CALM SharePoint

The CALM (Coordination and Logistics Management) Team's mission statement is *to minimize construction-related impacts to our customers by utilizing CALM as a central point of communication and collaboration.*

This SharePoint site will enable LAWA staff to access all CALM deliverables. You will have the ability to customize Construction Projects by plotting selected points of interest using our interactive map. Also, you will have the ability to customize your terminal or specific project areas and filter construction projects based upon a specified time frame. You may also download all CALM deliverables in pdf format including Maps (CTA, Airside/Landside, Elevator/Escalators and Traffic Impacts), Maps, Bulletins.

### CALM Controls

<a href="#">Logistical Coordination Schedule</a>	Logistical Coordination Schedule
<a href="#">Concessions Schedule</a>	Concessions Schedule
<a href="#">CALM Histogram</a>	Histogram showing current and future construction activities
<a href="#">CALM Dashboard</a>	Yearly Lookahead of Project Counts and Costs

### Terminal Maps

<a href="#">Arrivals and Tunnels</a>	Map showing construction activities in the Terminal Element on the Arrivals level
<a href="#">Ticketing and Apron</a>	Map showing construction activities in the Terminal Element on the Ticketing/Departures/Apron level
<a href="#">Departures and Gates</a>	Map showing construction activities in the Terminal Element on the Gates/Concourse level
<a href="#">Elevators/Escalators</a>	Map showing installation and maintenance of all elevators and escalators
<a href="#">Monthly Coordination TBIT Map</a>	Map showing 4 week lookahead project coordination at Tom Bradley International Terminal (TBIT)
<a href="#">Terminals Maps - 6 Month Lookahead</a>	Maps showing major terminal construction in the next 6 months

### Campuswide Projects & Laydown Logistics

<a href="#">Airside</a>	Map showing construction activities for the Airside Element
<a href="#">Landside</a>	Map showing construction activities for the Landside Element
<a href="#">Haul Route Map</a>	Map showing LAWA approved construction haul routes
<a href="#">Integrated Program Maps</a>	Map showing 2019-2024 Integrated Program Lookahead
<a href="#">Logistics/Laydown</a>	Map showing campus-wide Laydown and Logistics information



### Presentations

Most recent documents:

- [LAWA Executive CALM Briefing\\_4.1.19](#)
- [TBITEC\\_010719](#)
- [Contractor\\_Parking\\_DeltaFinal\\_030419](#)
- [Parking\\_P6 Pedestrian\\_BridgeDemo FINAL\\_031119](#)
- [CIP\\_Project\\_Laydown\\_Animation\\_Feb2019](#)

1 - 5

[Presentations Archive](#)

### Phasing Plans

Most recent documents:

- [Terminal\\_Monthly](#)
- [LAMP Program Phasing May2019](#)
- [T4.5 CORE - ARRIVALS LEVEL BARRICADE PLANS 5.6.19](#)
- [T4.5 CORE - DEPARTURES LEVEL BARRICADE PLAN 5.6.19](#)
- [T7 Phasing and Logistics Plans](#)

Display selections Legends

Area:

- ☐ Show All Projects
  - ☐ Airside
    - ☐ Tenant
    - ☐ FMG
    - ☐ LAWA CIP
  - ☐ Utilities and Infrastructure
    - ☐ LAWA CIP
    - ☐ Tenant
    - ☐ FMG
    - ☐ Traffic Lane Closures
  - ☐ Terminals
    - ☐ LAWA CIP
    - ☐ Tenant
    - ☐ FMG
    - ☐ Concessions
  - ☐ Landside
    - ☐ LAWA CIP
    - ☐ FMG
    - ☐ Tenant
  - ☐ Logistical Data (Site logistics Plans)
    - ☐ Laydown Areas
    - ☐ Trailers
    - ☐ Parking
    - ☐ Posts/Gates
    - ☐ AOA Boundary
- ☒ Show All Project Status
  - ☐ Completed Projects
  - ☒ Projects In Construction
  - ☒ Projects In Design
  - ☐ Projects In Planning
  - ☐ Projects On Hold
  - ☐ Withdrawn Projects

Date Range:

From:

To:

Enable 'Identify map by single click': ☐ OFF



# CALMShare Web Map



Display selections

Legends

Area: Terminal 2

Show All Projects

Airside

Tenant

FMG

LAWA CIP

Utilities and Infrastructure

LAWA CIP

Tenant

FMG

Traffic Lane Closures

Terminals

LAWA CIP

Tenant

FMG

Concessions

Landside

LAWA CIP

FMG

Tenant

Logistical Data (Site logistics Plans)

Laydown Areas

Trailers

Parking

Posts/Gates

AOA Boundary

Show All Project Status

Completed Projects

Projects In Construction

Projects In Design

Projects In Planning

Projects On Hold

Withdrawn Projects

Level:

Arrivals Baggage Claim

Date Range:

From: dd/mm/yyyy

Enable 'Identify map by single click': ON

Terminals LAWA CIP

Terminals Tenant

Terminals FMG

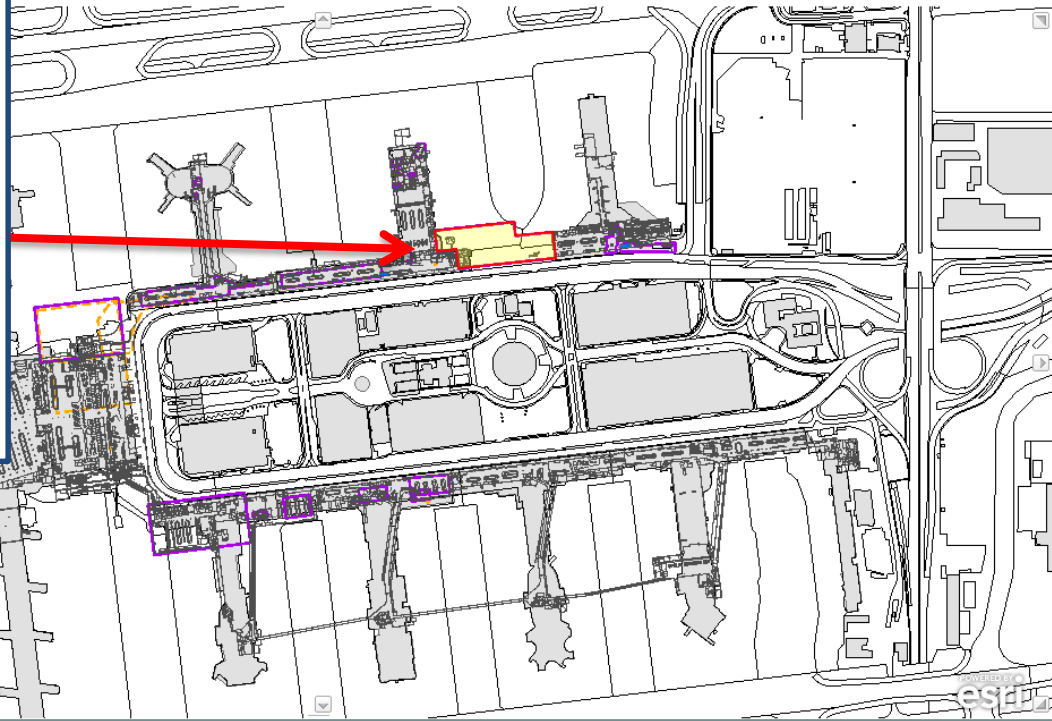
Terminals Concessions

Action	Name	Construction Start Date	Construction End Date	Project Number	ASR Number	Status	Operator	Contractor	Contact	Facility	Level (Floor)	Element
<a href="#">Zoom to Map</a>	T6 Electrical Infrastructure Upgrades, including e GSE	2015-4-30	2017-1-6	C-LAX-11687	no asr	In Construction	LAWA	Swinerton Builders		Terminal 6	L1	Termi
<a href="#">Zoom to Map</a>	Electrical Upgrades - D WP Vault 1585	2015-3-23	2017-5-9	C-LAX-11654	no asr	In Construction	LAWA	Turner Construction		Terminal 2	L1	Termi
<a href="#">Zoom to Map</a>	T3 Restroom Enhancements	2015-5-19	2016-6-22	C-LAX-11780	no asr	In Design	LAWA	Unknown		Terminal 3	L1	Termi

# Identify Functionality

**Project Name:** T1.5  
**Construction Start Date:** 7/31/2017  
**Construction End Date:** 12/1/2020  
**Project Number:** T-LAX-12964  
**ADG Project Manager:** J. Plunkett  
**Status:** In Construction  
**Terminal:** 1  
**Level:** Arrivals  
**Square Footage:** 83,976 sq. ft  
**Contractor:** HP  
**Contractor Phone Number:** 213.896.3401  
**Inspector:** Ferdinand Marquez  
**Inspector Phone Number:** 424-646-5455  
**Phasing Document – pdf (hyperlink)**

b(data count): Terminals Tenant(1)



- ☐ FMG
- ☐ Tenant
- ☒ Logistical Data (Site logistics Plans)
  - ☐ Laydown Areas
  - ☐ Trailers
  - ☐ Parking
  - ☐ Posts/Gates
  - ☐ AOA Boundary

☒ Show All Project Status

Level:

Arrivals Baggage Claim

Date Range:

From: dd/mm/yyyy

To: dd/mm/yyyy

Terminals LAWA CIP Terminals Tenant Terminals FMG Terminals Concessions

Action	Name	Date_Construction_Start	Date_Construction_End	Project_Number	ADG_Project_Manager	ASR_Number	Status	Operator	Contractor	Contact	Facility	Level
<a href="#">Zoom to Map</a>	Southwest Airlines - Term	2017-7-31	2020-2-25	T-LAX-12704	Mark Barakat		In Construction	Southwest	Unknown	Unknown	Terminal 1	L1

# CALM GIS Application



Display selections

Legends

Area: OTA

Show All Projects

Airside

Tenant

FMG

LAWA CIP

Utilities and Infrastructure

LAWA CIP

Tenant

FMG

Traffic Lane Closure

Terminals

LAWA CIP

Tenant

FMG

Concessions

Landside

LAWA CIP

FMG

Tenant

Logistical Data (Site logistics Plans)

Laydown Areas

Trailers

Parking

Posts/Gates

AOA Boundary

Show All Project Status

Level:

Arrivals Baggage Claim

Date Range:

From: dd/mm/yyyy

To: dd/mm/yyyy

Enable "Identify map by single click": ON

Result identified in tab(data count): Terminals Tenant(1)

Terminals LAWA CIP

Terminals Tenant

Terminals FMG

Terminals Concessions

Action	Name	Date_Construction_Start	Date_Construction_End	Project_Number	ADG_Project_Manager	ASR_Number	Status	Operator	Contractor	Contact	Facility	Level	Element
<a href="#">Zoom to Map</a>	Delta - Sky Way - T2/T3 Improvements	2018-10-26	2021-1-28	T-LAX-13073	David Campbell		In Design	Delta	STJV		Terminal 2	L1	Terminals

# Select Work Areas

Display selections

Legends

Area: CTA

Show All Projects

Airside

Tenant

FMG

LAWA CIP

Utilities and Infrastructure

LAWA CIP

Tenant

FMG

Traffic Lane Closure

Terminals

LAWA CIP

Tenant

FMG

Concessions

Landside

LAWA CIP

FMG

Tenant

Logistical Data (Site logistics Plans)

Laydown Areas

Trailers

Parking

Posts/Gates

AOA Boundary

Show All Project Status

Level:

Arrivals Baggage Claim

Date Range:

From: 10/12/2018

To: 01/01/2019

Enable 'Identify map by single click': ON

Terminals LAWA CIP

Terminals Tenant

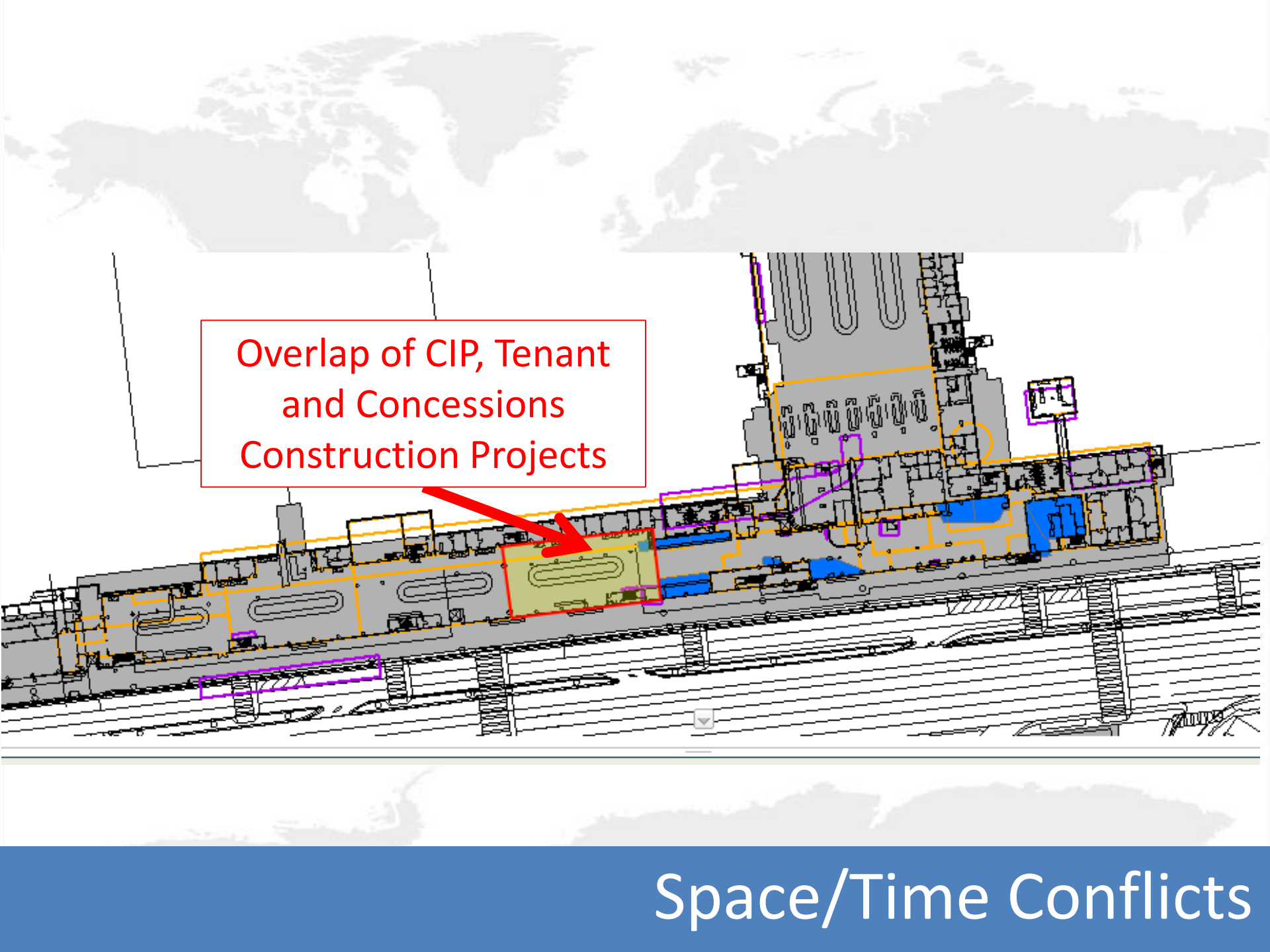
Terminals FMG

Terminals Concessions

Action	Name	Date_Construction_Start	Date_Construction_End	Project_Number	ADG_Project_Manager	ASR_Number	Status	Operator	Contractor	Contact	Facility	Level	Element
<a href="#">Zoom to Map</a>	AA - T4 FIS APC Recon. Phase II	2017-5-22	2018-11-30	T-LAX-12689	Heldi Harmon		In Construction	American	Unknown	Unknown		L1	Terminal
<a href="#">Zoom to Map</a>	MSC Baggage Optimization Project (BO)	2016-12-13	2020-4-27	T-LAX-12773	Mark Skjervem		In Construction	LAWA	Unknown	Unknown	Midfield Satellite Concourse	L1	Terminal
<a href="#">Zoom to Map</a>	US CBP - T2, T5, T7 & TBIT Wireless Int	2017-7-13	2018-11-30	T-LAX-12852	Stacy Parker		In Construction	LAWA	Unknown	Unknown	Terminal 2	L1	Terminal
<a href="#">Zoom to Map</a>	AA - T4 Terminal Refreshment Phase 2	2018-6-20	2019-2-18	T-LAX-12555-1	Michael Henderson		In Construction	LAWA	Unknown	Unknown	Terminal 4	L1	Terminal

# Filtering Functionality

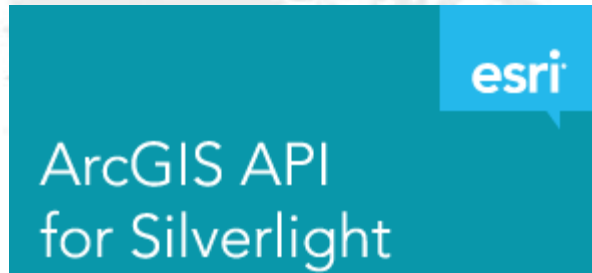


An aerial photograph of a coastal area, likely a port or airport, with a large building complex. A red arrow points from a text box to a specific area within the complex. The text box contains the text "Overlap of CIP, Tenant and Concessions Construction Projects". The building complex is outlined in yellow and purple, and the area pointed to by the arrow is highlighted in green. The background shows a world map.

Overlap of CIP, Tenant  
and Concessions  
Construction Projects

Space/Time Conflicts

## Transition to ArcGIS Online Web Map



Arc**GIS** Online

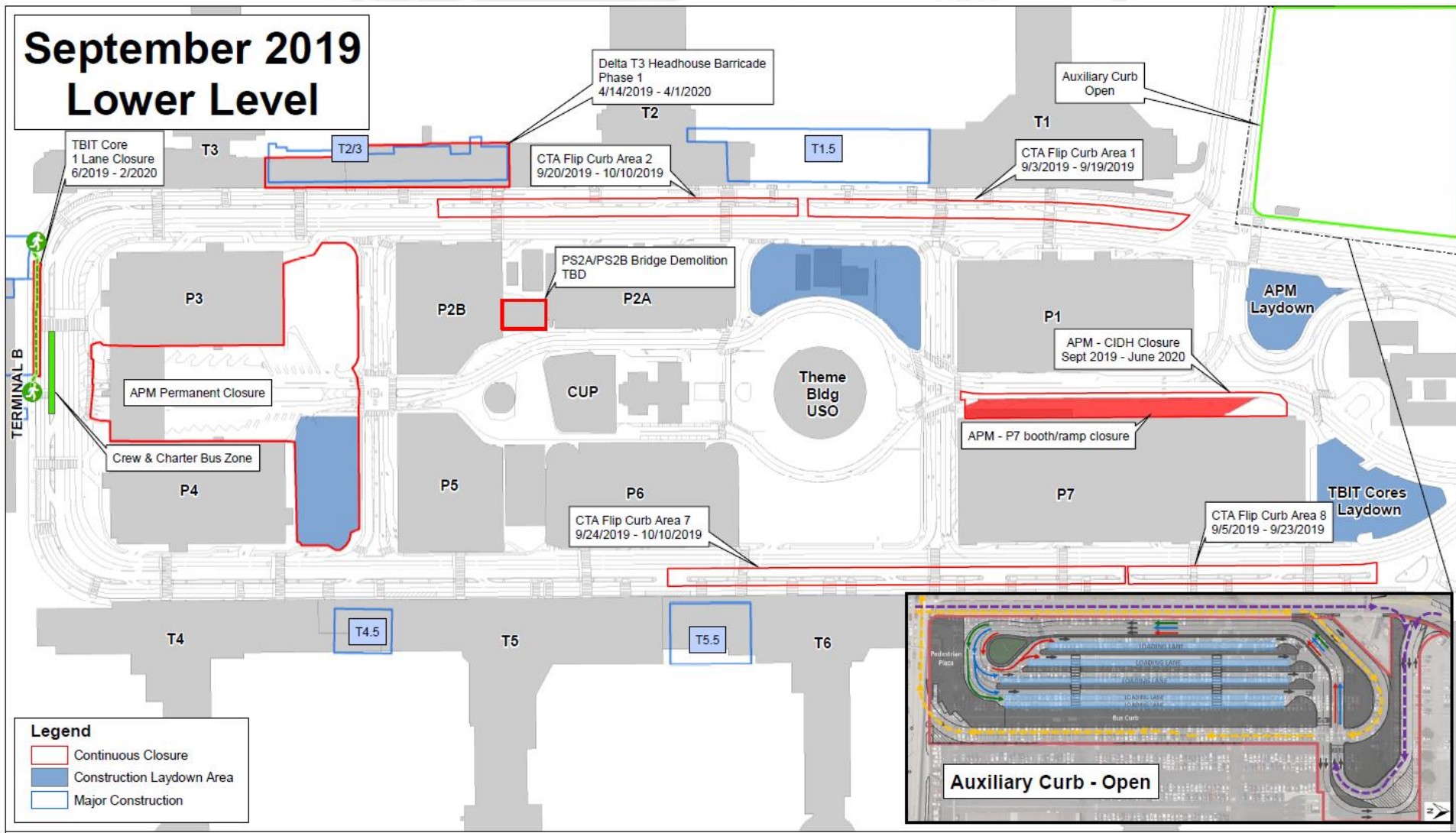
### Benefits:

- Easier to configure/develop/sustain
- Improve Customer Experience
- More Technical Support

# Future Transition



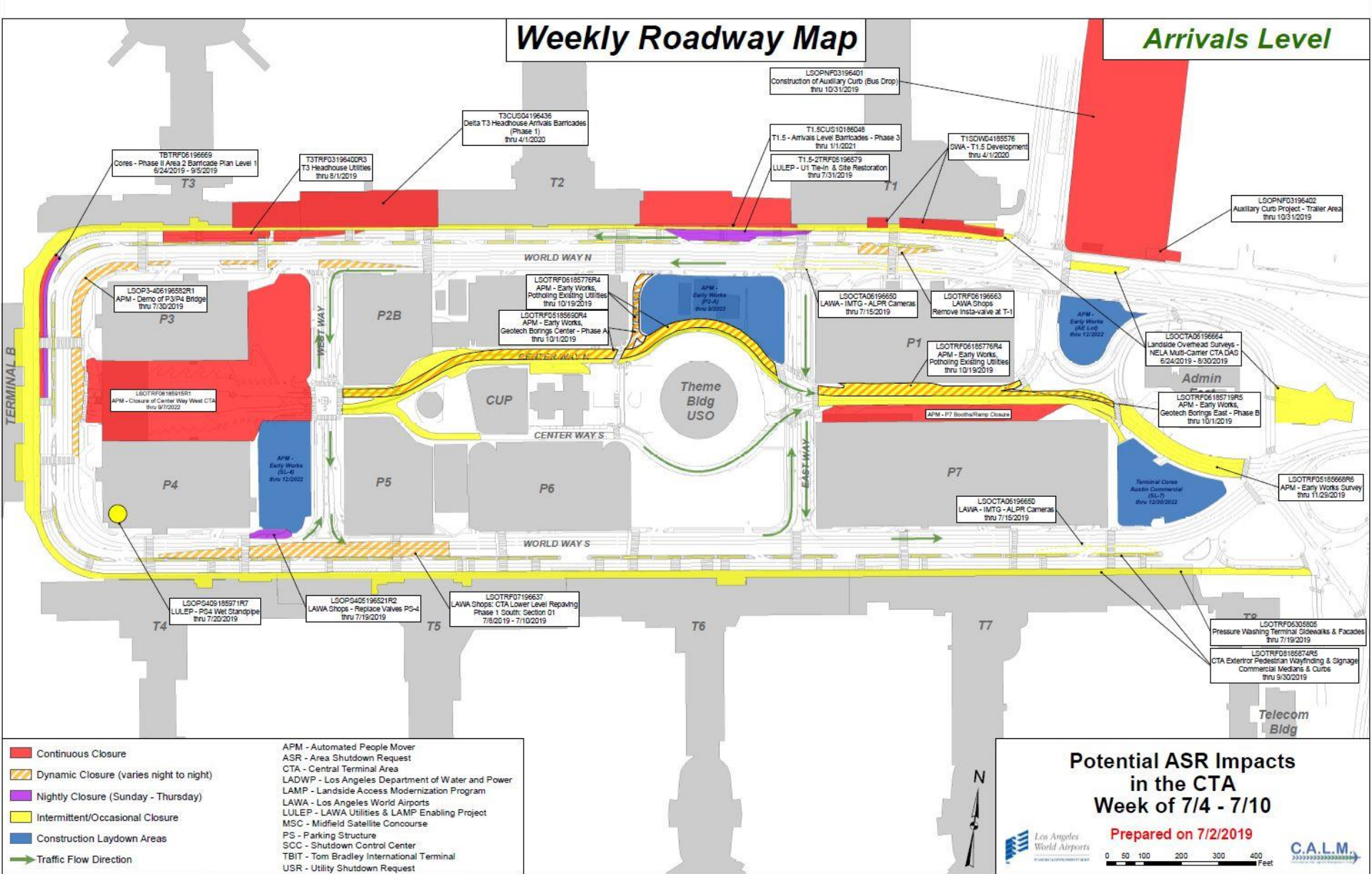
# September 2019 Lower Level



## Roadway Planning Maps

# Weekly Roadway Map

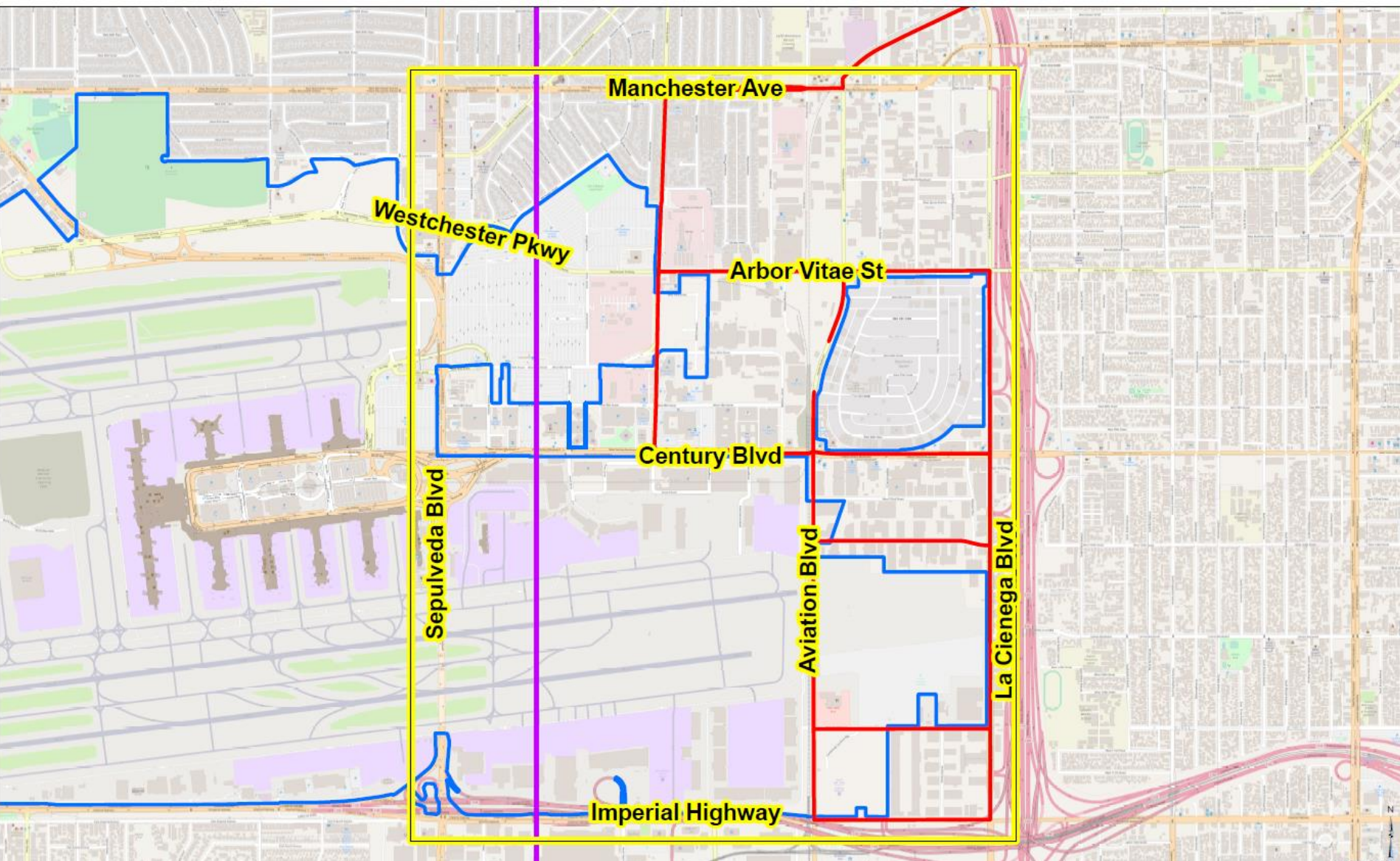
Arrivals Level



## Roadway Coordination Map







LAMP High Impact Area

- ✓ Navigate LA website hosted by City of Los Angeles – Bureau of Engineering – Department of Public Works
- ✓ LAWA/LAMP Program included in the Public Way Reservation System (PWRS)
  - ✓ Purpose: All other agency permit applicants will need to coordinate with LAWA and the LAMP Program through 2023
- ✓ LAWA/LAMP has the following data information hosted on Navigate LA:
  - ✓ LAMP Impact Area
  - ✓ LAMP Impact Requests (LIRs) including:
    - ✓ Location of street closures
    - ✓ Status (Approved and Pending)
    - ✓ Start and End Dates of street closures
    - ✓ Project Name and Details



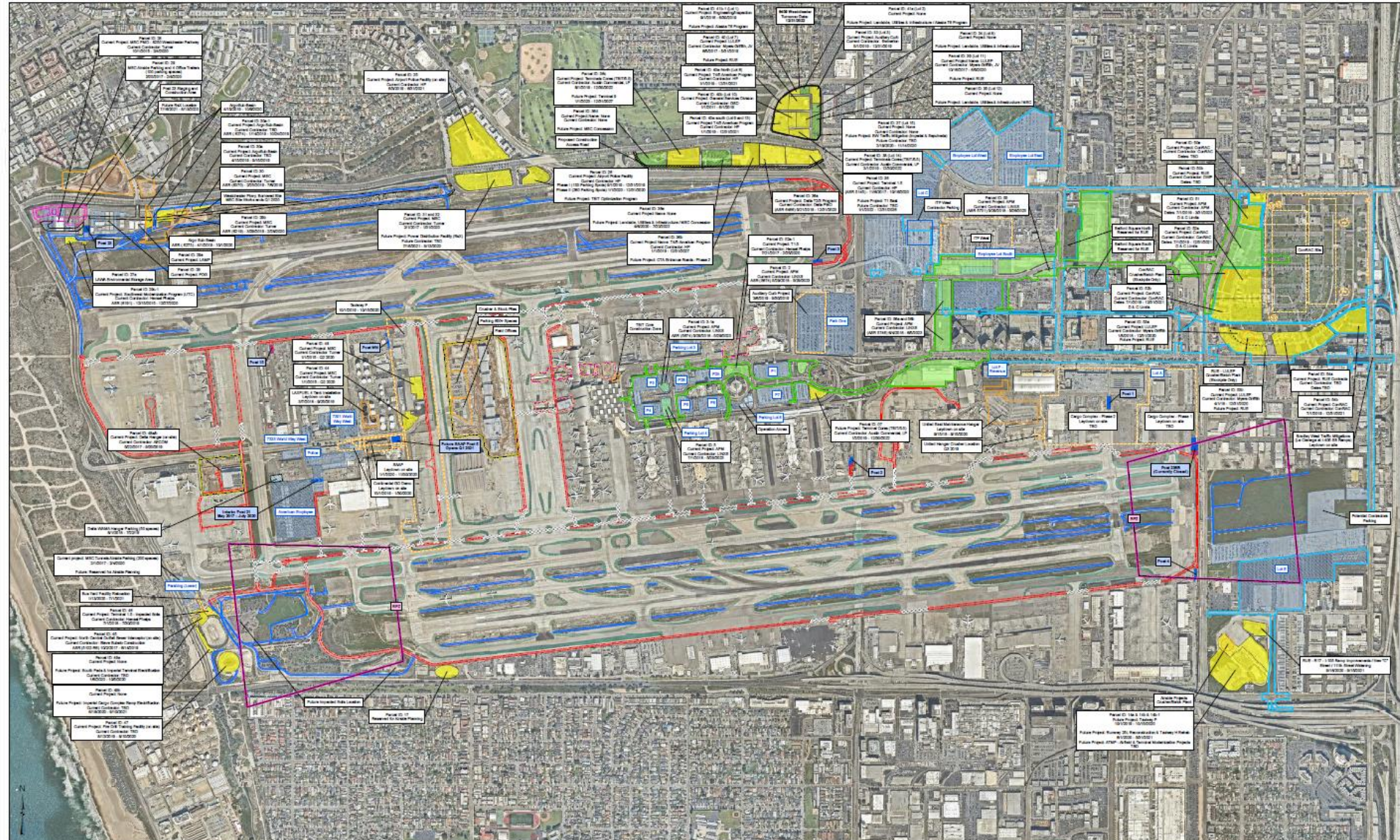




✓ Navigate LA: <https://navigatela.lacity.org/navigatela/>

# Navigate LA Integration





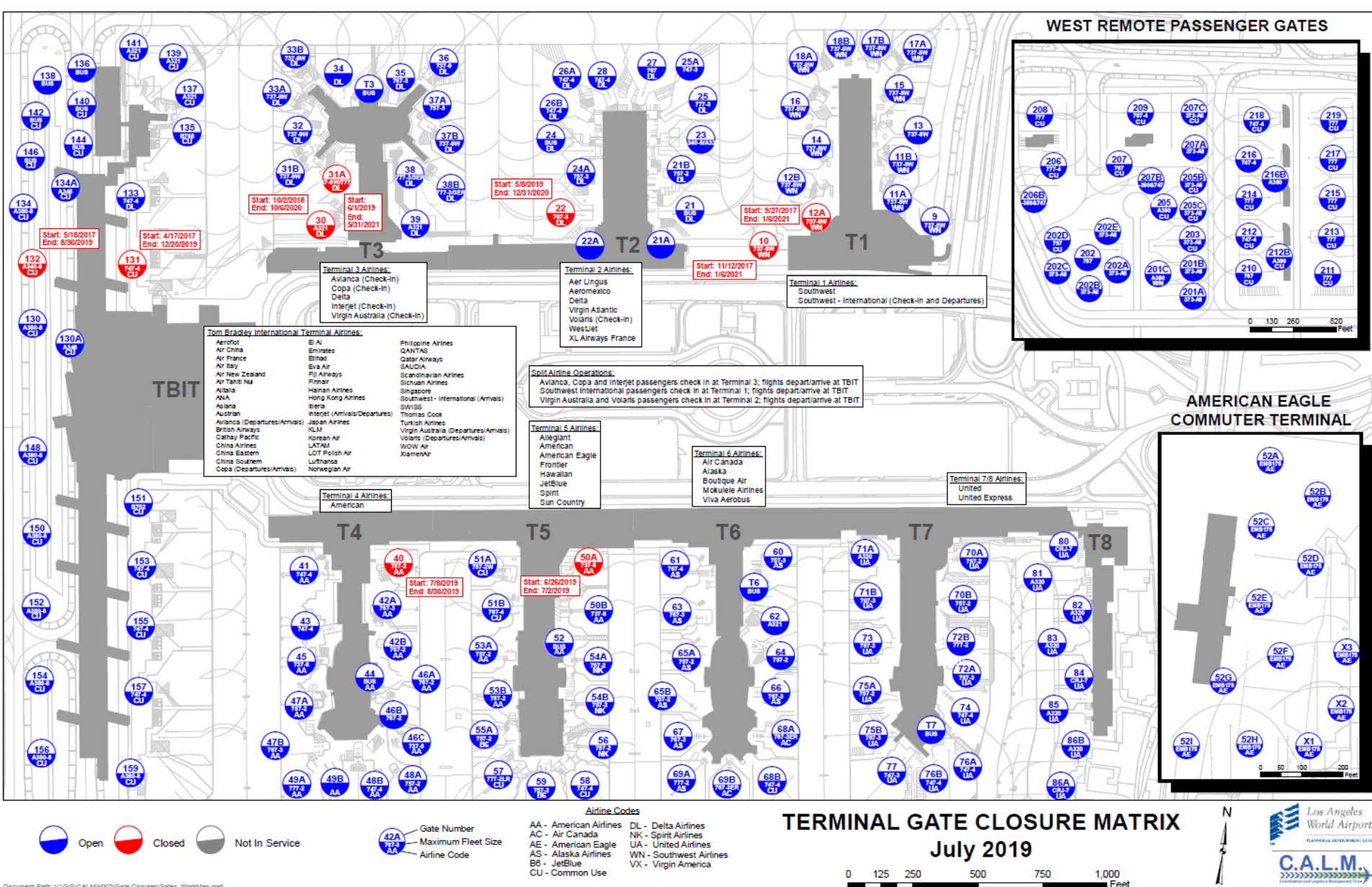
# Construction Staging Laydown Areas June 2019 Working Set

CONFIDENTIAL DRAFT FOR DELIBERATIVE PURPOSES ONLY



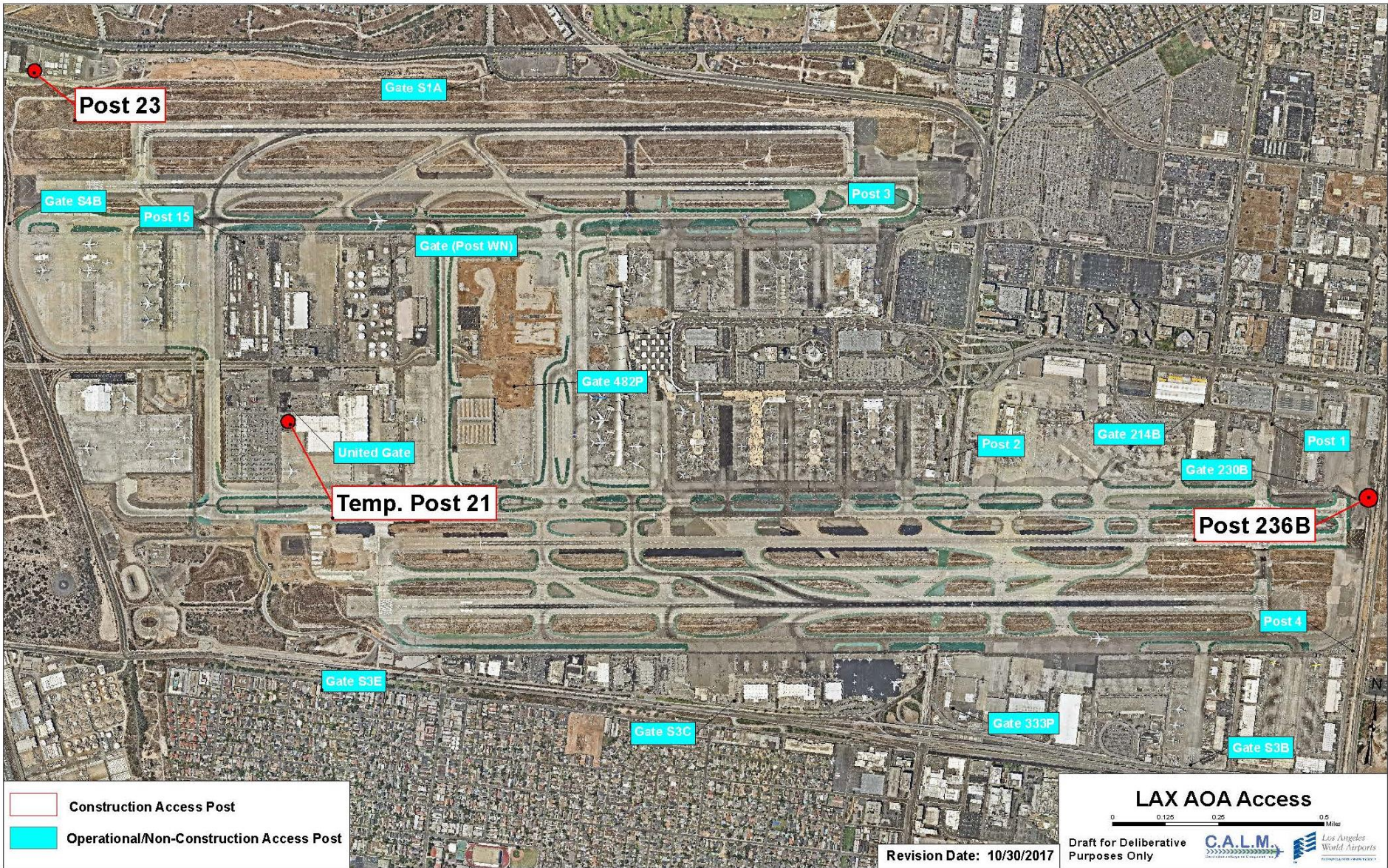
# Construction Staging Laydown Map





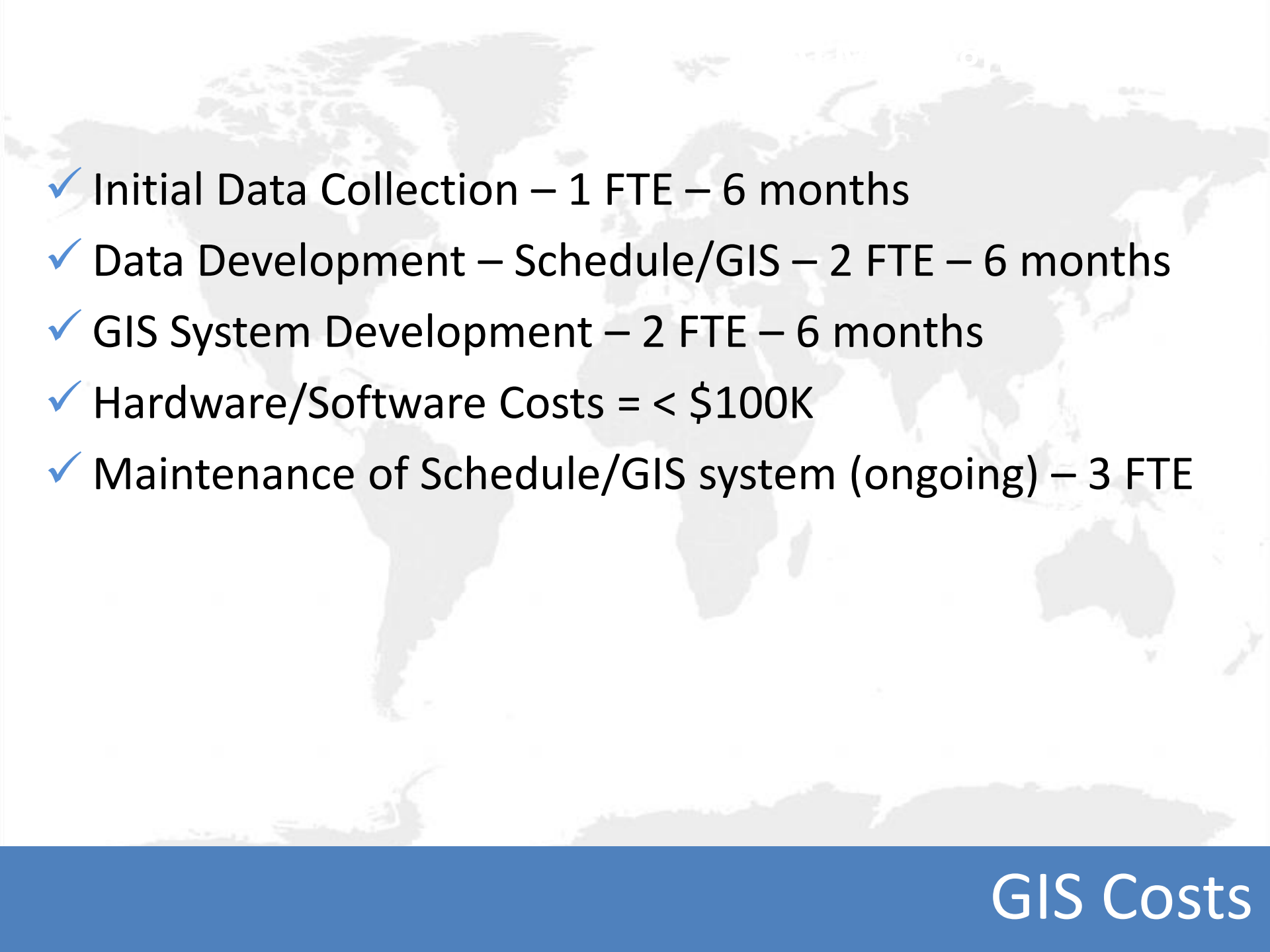
# Passenger Gate Closure Map





# AOA Access Map

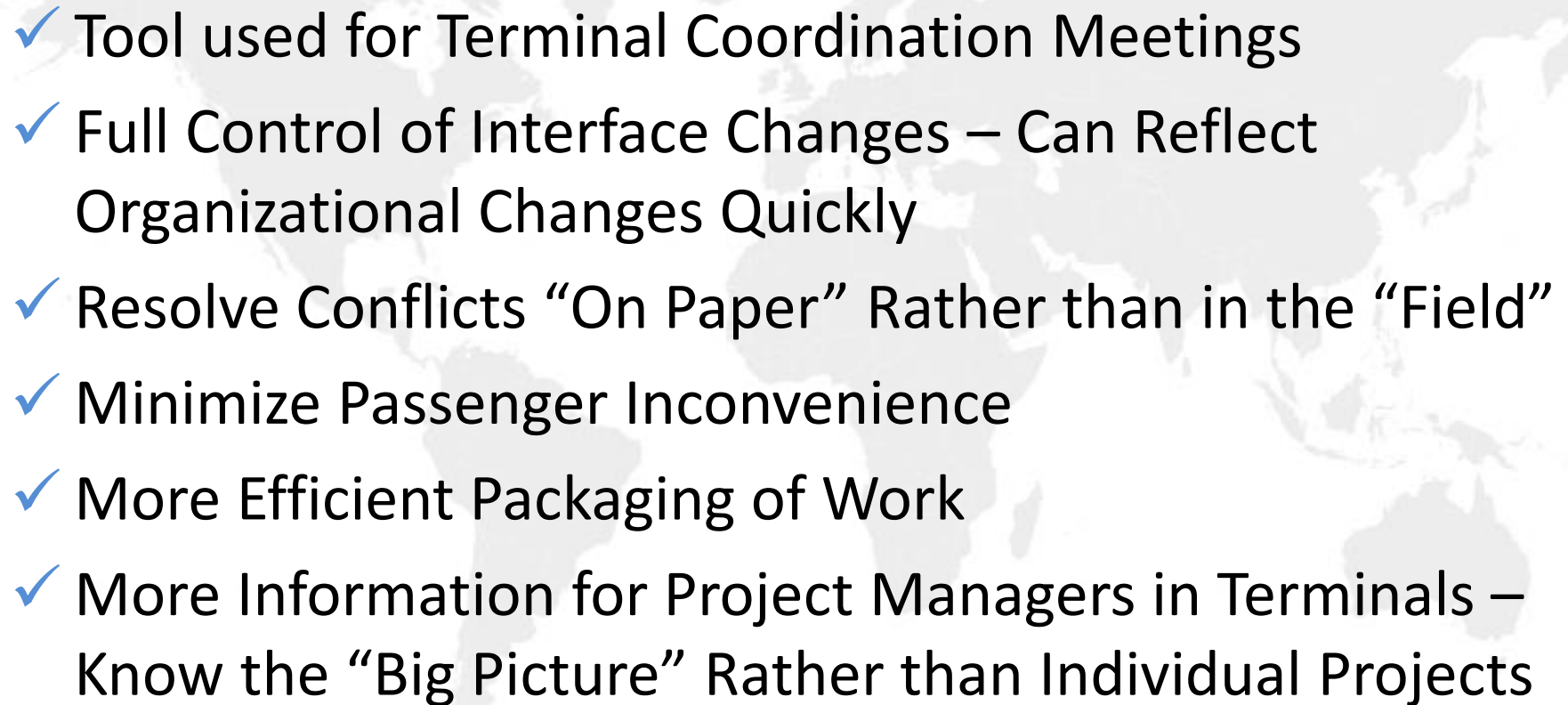


- 
- A faint, light gray world map is visible in the background of the slide, showing the continents and major landmasses.
- ✓ Initial Data Collection – 1 FTE – 6 months
  - ✓ Data Development – Schedule/GIS – 2 FTE – 6 months
  - ✓ GIS System Development – 2 FTE – 6 months
  - ✓ Hardware/Software Costs = < \$100K
  - ✓ Maintenance of Schedule/GIS system (ongoing) – 3 FTE



- 
- A faint, light gray world map is visible in the background of the slide, showing the continents and major landmasses.
- ✓ Confirm with Project Managers on a monthly basis – project status
  - ✓ Cross-reference with Program Controls on budget/cost reports
  - ✓ Conduct Quarterly Data Scrubs with:
    - ✓ Planning
    - ✓ Project Managers
    - ✓ CALM Team
  - ✓ Attend weekly project OAC and status meetings for latest information

## GIS Data Verification Process

- 
- A faint, light gray world map is visible in the background of the slide, centered behind the text.
- ✓ Tool used for Terminal Coordination Meetings
  - ✓ Full Control of Interface Changes – Can Reflect Organizational Changes Quickly
  - ✓ Resolve Conflicts “On Paper” Rather than in the “Field”
  - ✓ Minimize Passenger Inconvenience
  - ✓ More Efficient Packaging of Work
  - ✓ More Information for Project Managers in Terminals – Know the “Big Picture” Rather than Individual Projects



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# Questions?

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