

## MSC Project Update

Stakeholder Meeting  
April 18, 2019

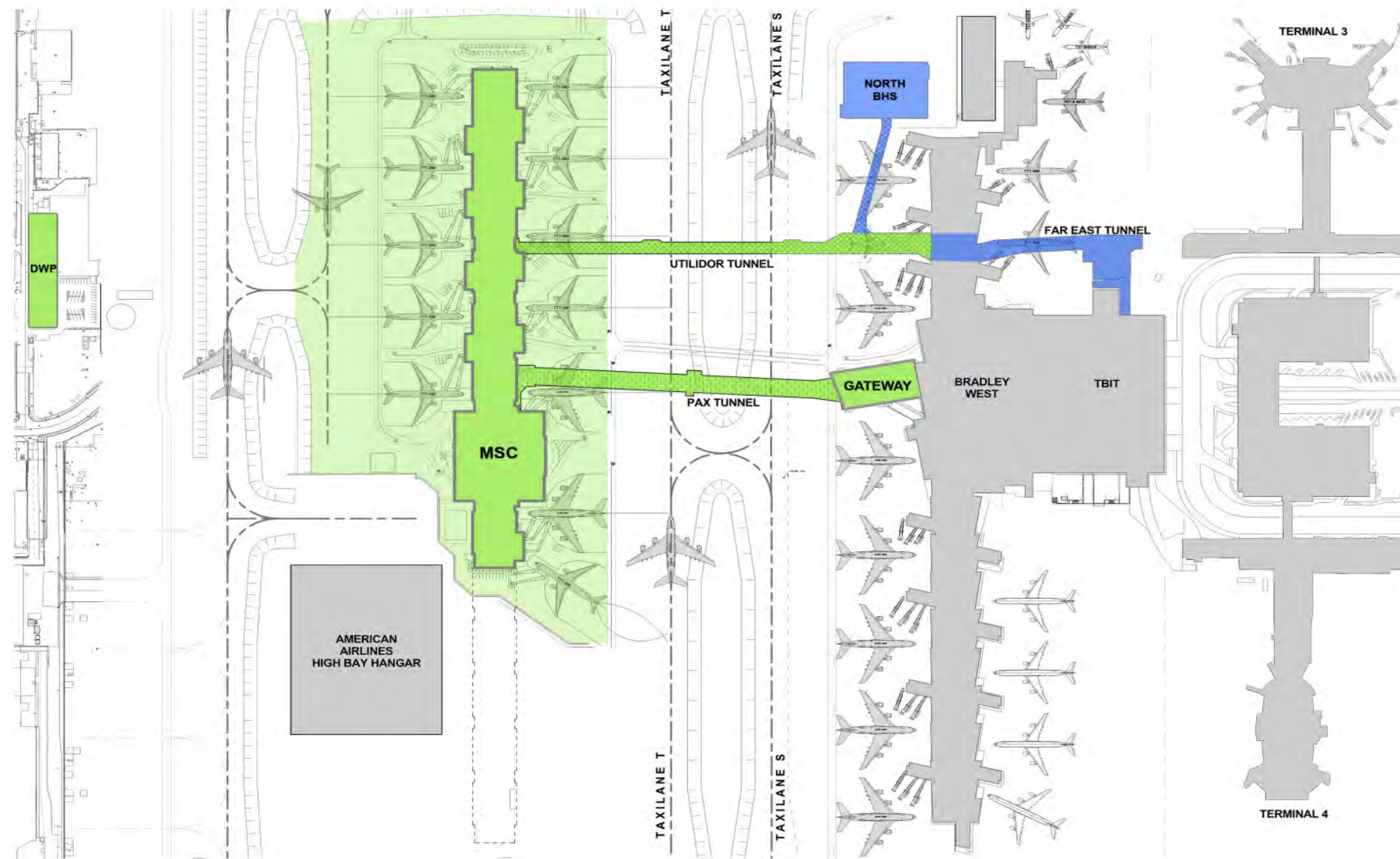
# MSC - Project Components

## MSC Project

1. MSC Concourse - 15 Gates
2. Gateway
3. PAX Tunnel
4. Utilidor / Crossover Tunnel
5. Taxilanes & Apron
6. DWP Substation

## Baggage Optimization Project (BOP)

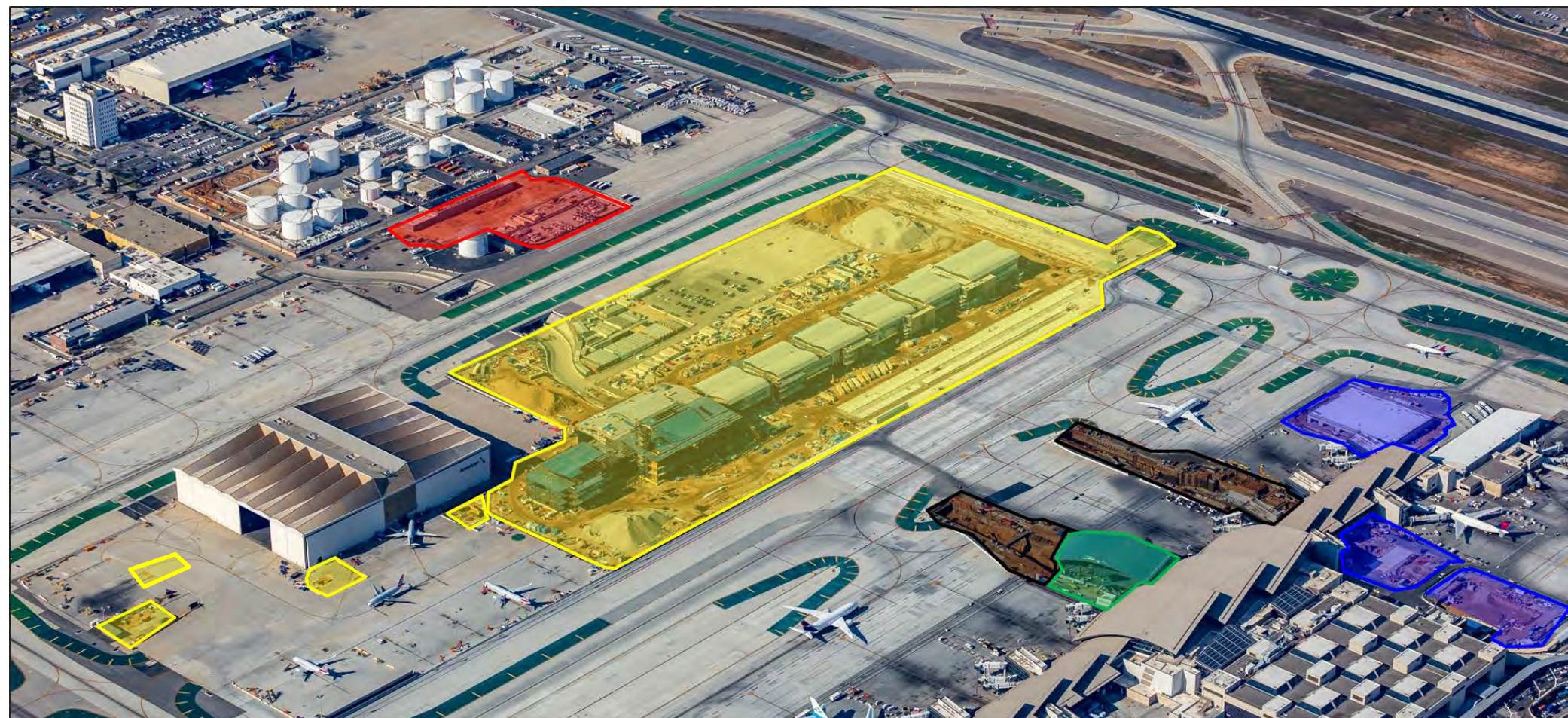
1. Far East Tunnel
2. North BHS Structure
3. North Tunnel



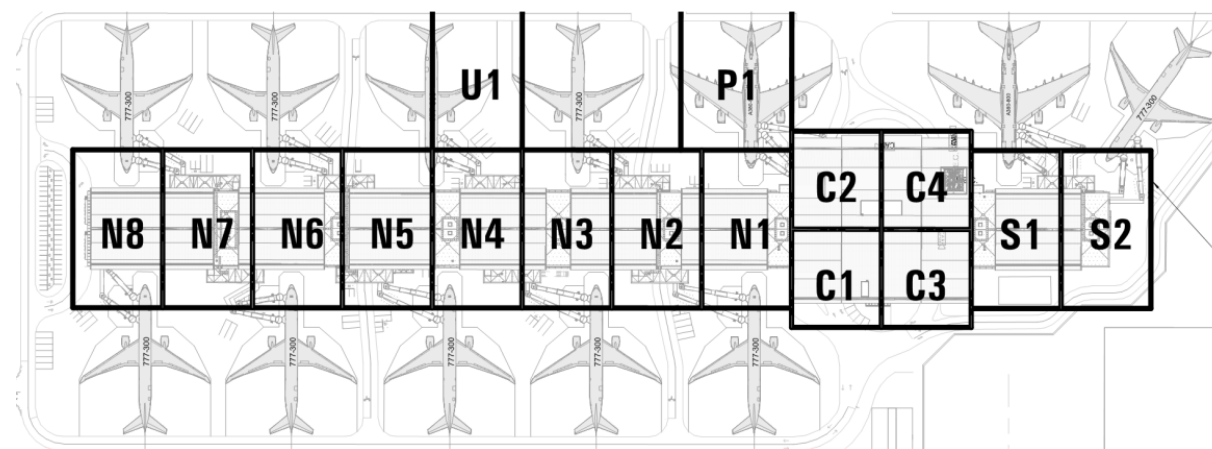


## Updates by Geography

- ☐ MSC
  - ☐ Concourse
  - ☐ Civil
- ☐ LADWP Sub-station
- ☐ Tunnels
  - ☐ TPAX
  - ☐ Utilidor
- ☐ Gateway
- ☐ BOP
  - ☐ BOP NBHS (IWBT)
  - ☐ BOP Far East Tunnel (Gate 131)
- ☐ BHS







## General Updates:

- ☐ Metal roofing installation at Core, S1 & S2 is ongoing
- ☐ Metal panel installation at Core is ongoing
- ☐ Wall framing installation throughout S1 & S2
- ☐ Pile boring for PBB's is progressing on the east side
- ☐ Demolition has begun for Group III changes

## Upcoming Coordination:

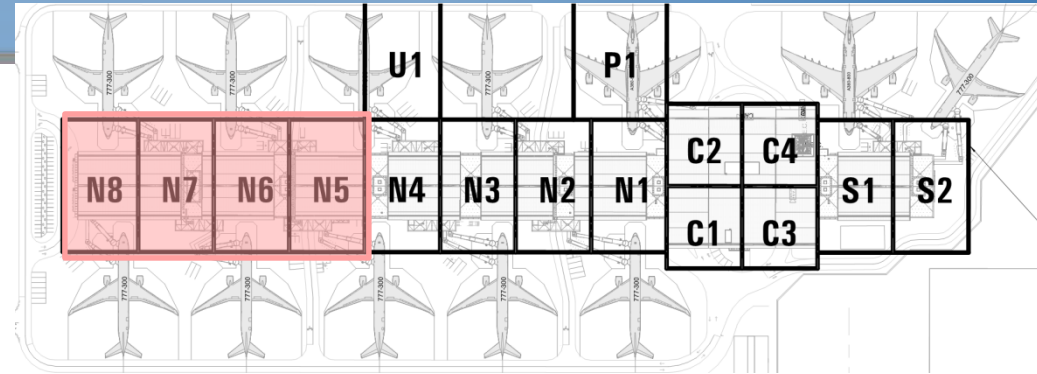
- ☐ Group III design meeting review & coordination ongoing
- ☐ Continued Early Baggage turnover coordination meetings with Vanderlande/TPJV
- ☐ Westfield's utility access coordination in tenant space is ongoing
- ☐ Energizing of the main electric room and building electrical rooms







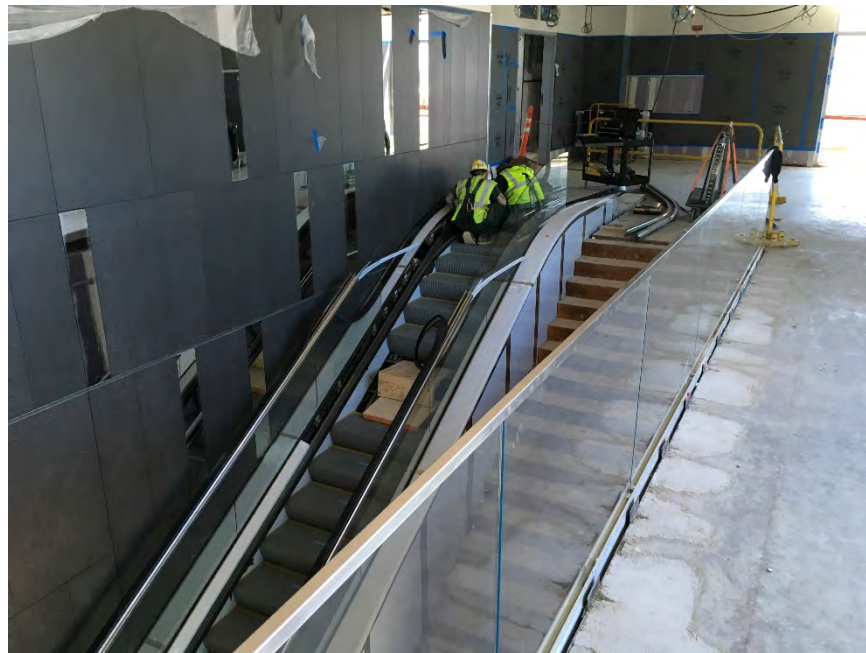
Moving Walk Assembly



Terrazzo Polishing



Preparation for Sidewalk Pour



Escalator Assembly

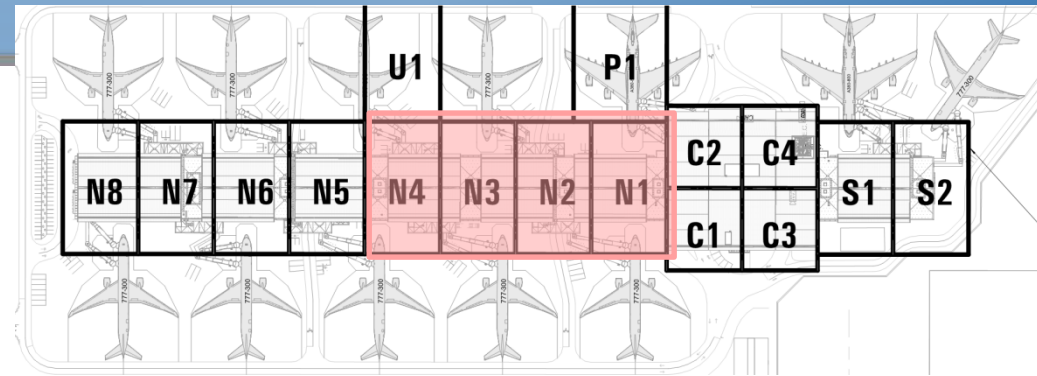


Preparation for Demolition for Group III Changes





Service Elevator Extension



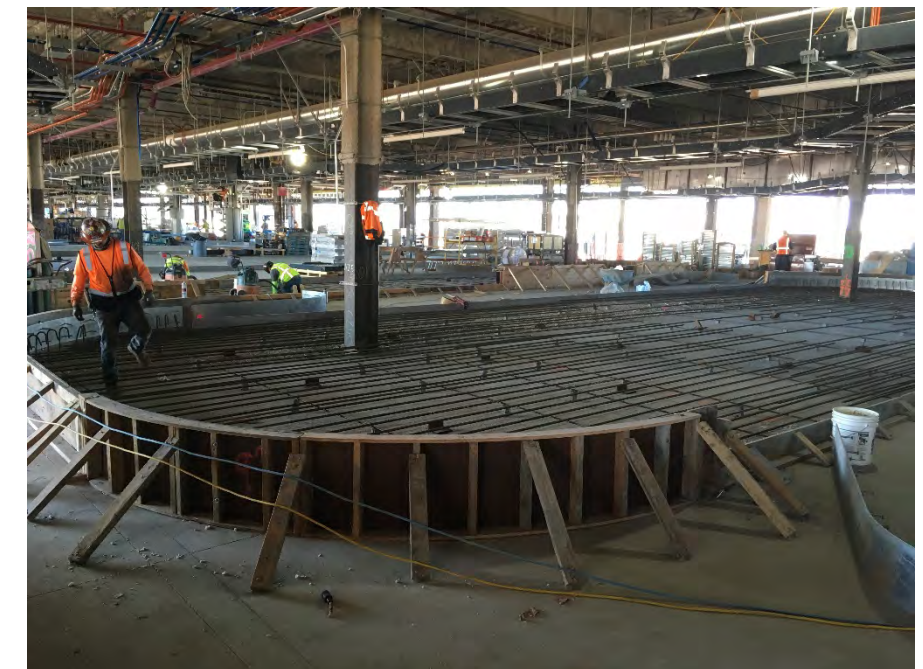
PBB Foundation Installation



Restroom Entry

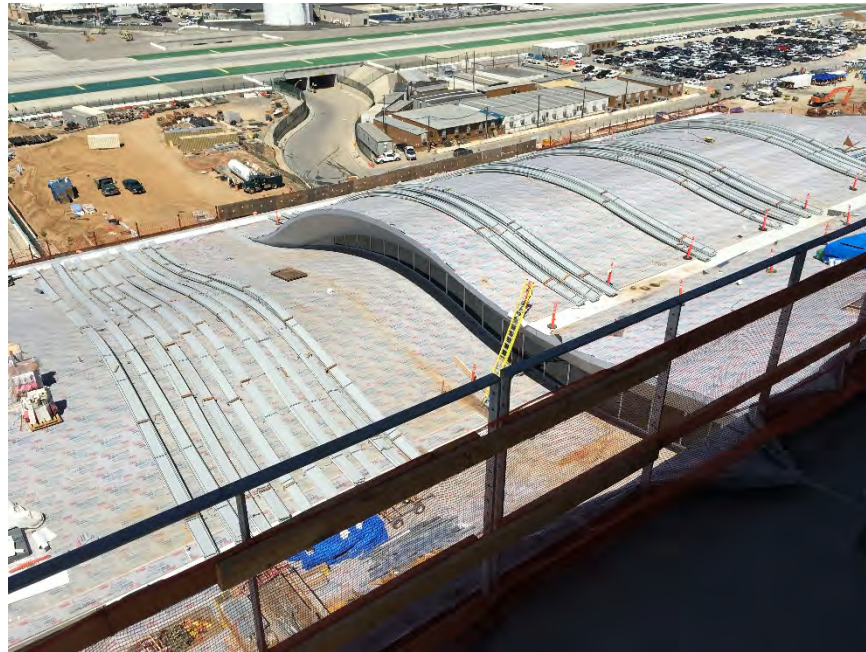


Interior Painting

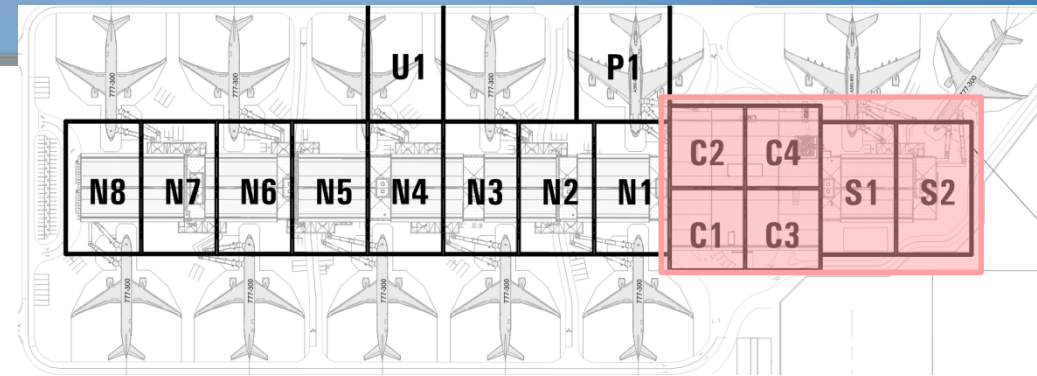


BHS Curb Formwork





Metal Roofing at Core



Metal Roofing at S1 & S2



Slab On Grade Preparation at Core



Core Picture Window



Roughen Work at S1 & S2



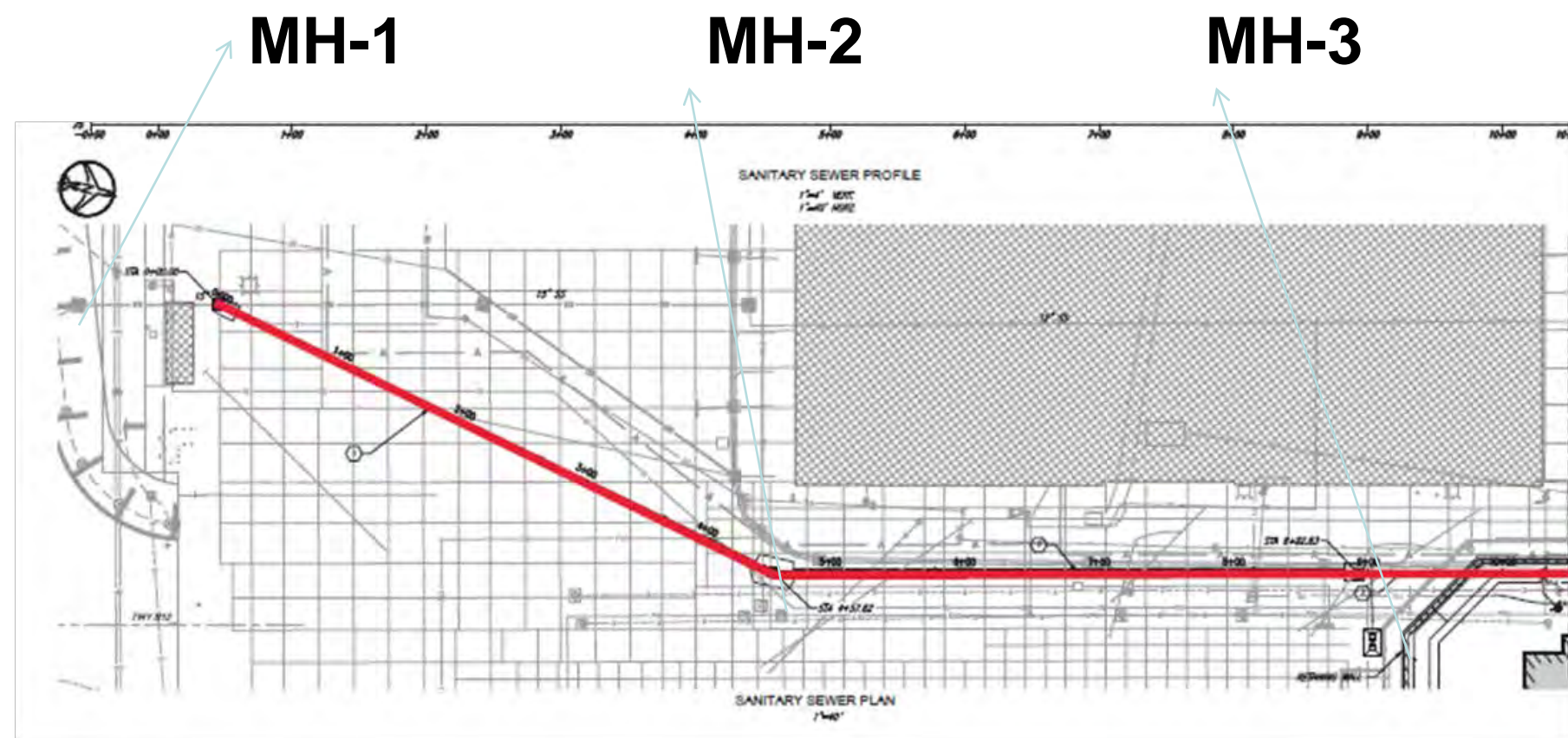
## General Updates:

- ❑ Combo water/firewater permanent alignment restored
- ❑ MH-1 6/2019\*
- ❑ MH-2 5/2019\*
- ❑ MH-3 5/2019\*

\*Includes 7-day pavement cure; pavement striping may occur after this date

## Upcoming Coordination:

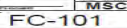
- ❑ Restoration of settlement area at Pit #1 beginning 4/22/2019





- ❑ Work began 9/17/2018
- ❑ Anticipated completion 6/26/2019

- ▣ Airport Ops for lighting and taxiway closures





## Updates by Geography

- ☐ MSC
  - ☐ Concourse
  - ☐ Civil
  - ☒ LADWP Sub-station
- ☐ Tunnels
  - ☐ TPAX
  - ☐ Utilidor
- ☐ Gateway
- ☐ BOP
  - ☐ BOP NBHS (IWBT)
  - ☐ BOP Far East Tunnel (Gate 131)
- ☐ BHS





## General Update:

- ☐ IS 5474 DWP Yard Energized
- ☐ TPJV working on completion list
- ☐ DWP feeder wire pull ongoing
- ☐ LAWA - IT Room ongoing
- ☐ Bollard & Asphalt paving work remaining

## Upcoming Coordination:

- ☐ ASR 6396 Phase 3 4/19 Survey of maintenance hole 239 at AA leasehold





## Updates by Geography

- ☐ MSC
  - ☐ Concourse
  - ☐ Civil
- ☐ LADWP Sub-station
- ☐ Tunnels
  - ☐ TPAX
  - ☐ Utilidor
- ☐ Gateway
- ☐ BOP
  - ☐ BOP NBHS (IWBT)
  - ☐ BOP Far East Tunnel (Gate 131)
- ☐ BHS





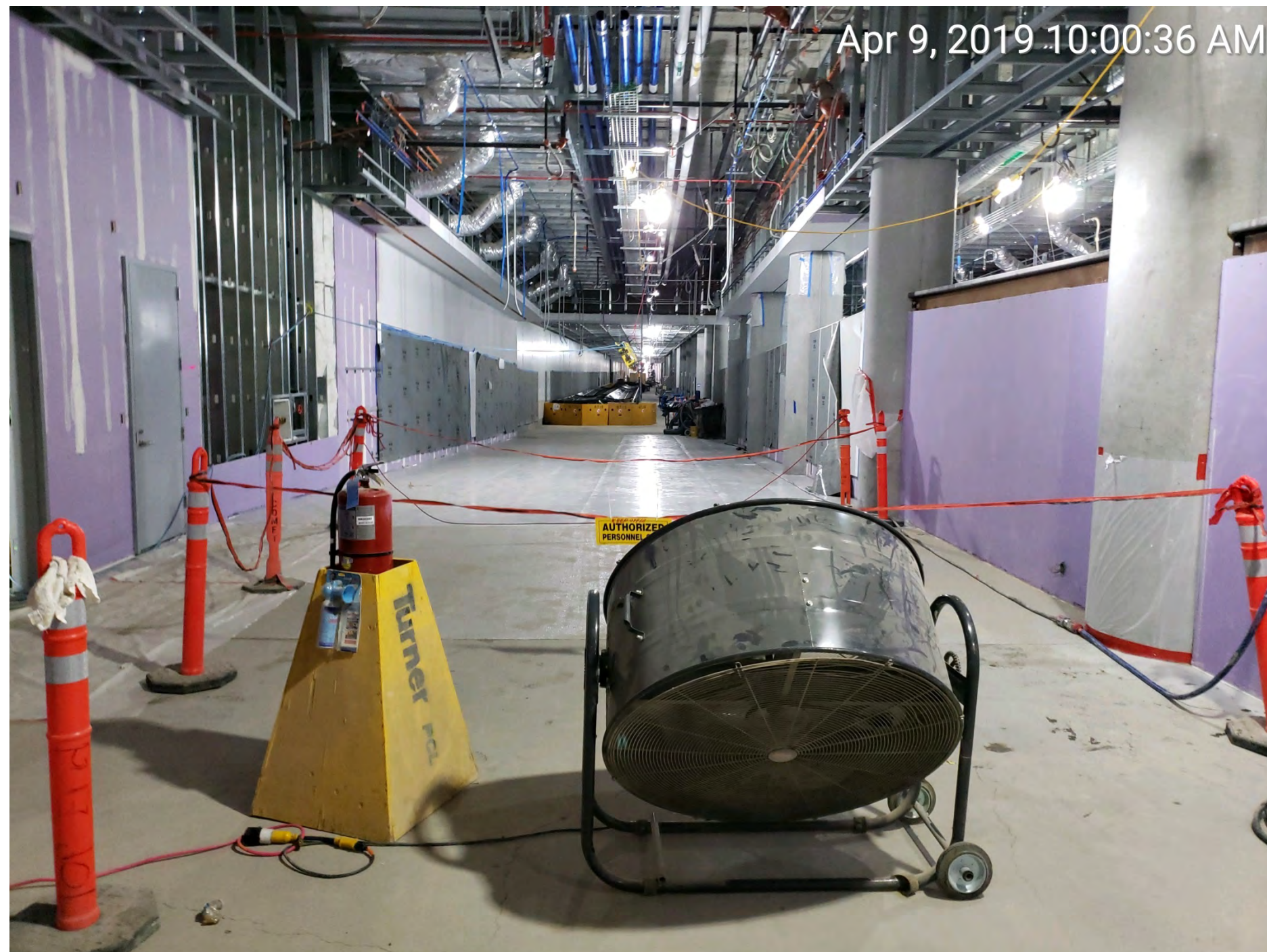
# Passenger Tunnel (West)

## General Updates:

- ❑ Otis finishing moving walkway installation
- ❑ Terrazzo Mock-up

## Upcoming Coordination:

- ❑ Relocating AOA temp security wall - tentatively mid June 2019
- ❑ Video Wall Equipment review w/JCDecaux





# Passenger Tunnel (East)

## General Updates:

- ❑ Slab on Grade formwork & Waterproofing continues
- ❑ Rebar at Slab On Grade continues
- ❑ Rebar and formwork for walls begins



## Upcoming Coordination:

- ❑ AOA Temp Security Wall relocation in TPAX
  - ❑ Coordinating with APD and LAWA IT
  - ❑ New wall activation expected mid June



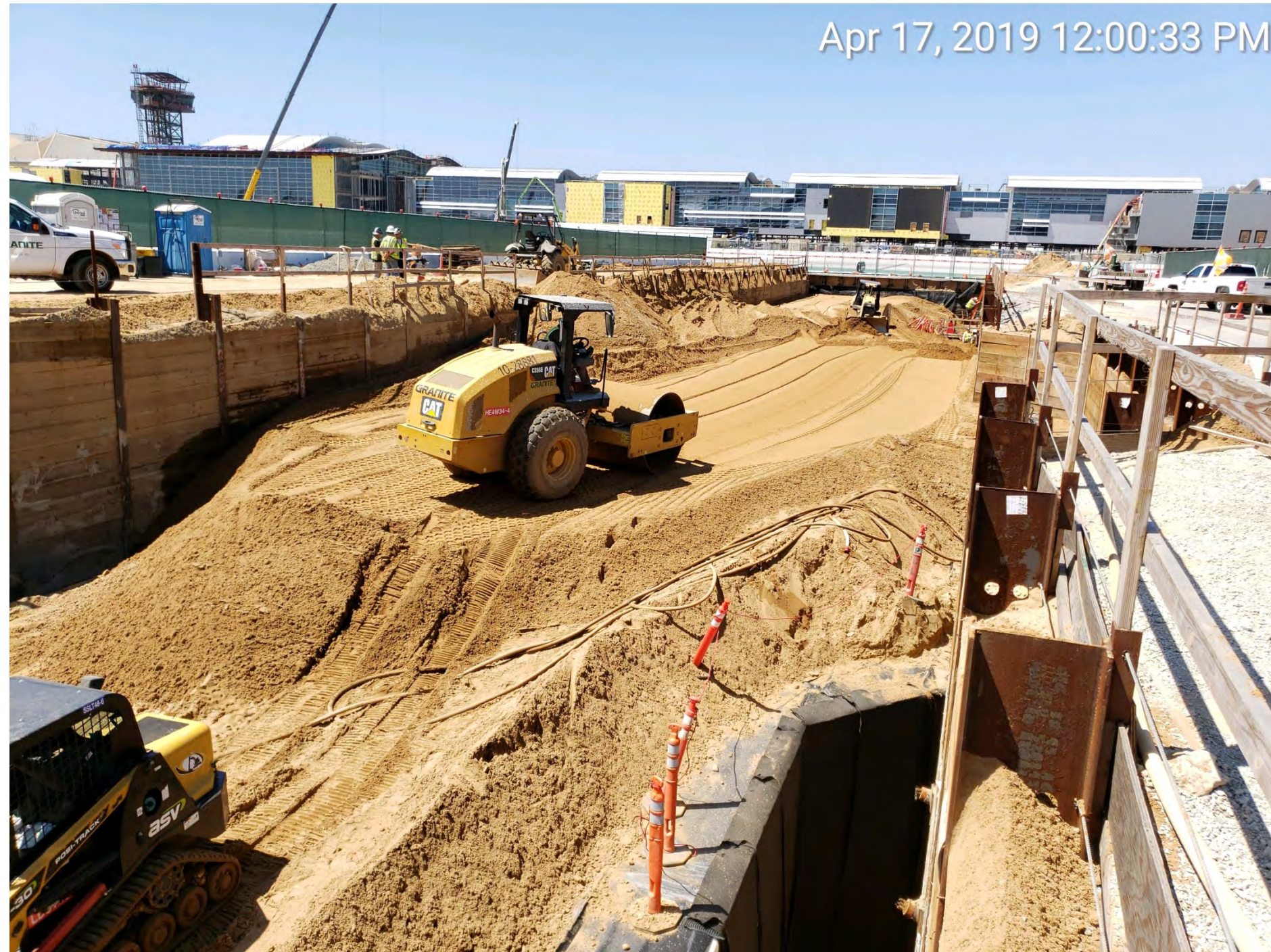


## General Updates:

- ☐ MEPs in tunnel continue
- ☐ Waterproofing almost complete
- ☐ Backfill of tunnel continues
- ☐ Gate 134 Utility bump-out

## Upcoming Coordination:

- ☐ AOA Security wall relocation -  
Late May 2019
- ☐ Aircraft Movements have been  
proposed to Op
  - ☐ Waiting for confirmation





# Utilidor Crossover Tunnel (Gate 132)

## General Updates

- ❑ MEP trades continue installation in tunnel
- ❑ North tunnel structure continues
- ❑ Lift Station pour complete
- ❑ Nightly Gate 134 access ongoing
  - ❑ ASR submitted

## Upcoming Coordination:

- ❑ Utility Tie in at Gate 134
  - ❑ Coordinating revised work plan with Ops
- ❑ Gate 134 Closure for Concrete Pour





## Updates by Geography

- ☐ MSC
  - ☐ Concourse
  - ☐ Civil
- ☐ LADWP Sub-station
- ☐ Tunnels
  - ☐ TPAX
  - ☐ Utilidor
- ☒ Gateway
- ☐ BOP
  - ☐ BOP NBHS (IWBT)
  - ☐ BOP Far East Tunnel (Gate 131)
- ☐ BHS





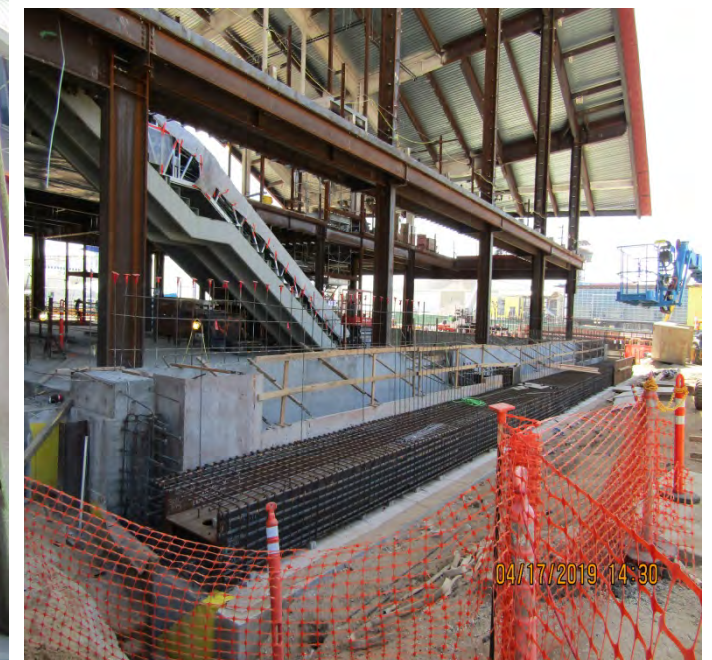
# Gateway - New Construction

## General Update:

- ☐ Curtain Wall Install - Ongoing
- ☐ Fireproofing - Ongoing
- ☐ Mechanical Equipment Delivered
- ☐ TBIT Glass Replacement

## Upcoming Coordination:

- ☐ Shift of VSR at “Hump” - Minimize K-Rail Movement
- ☐ Gas Shutdown
- ☐ Refreshing of Striping





# Gateway - Remodel Construction

## General Update:

- ☐ Bag Room BHS Modifications
- ☐ NOCC Breach for Install
  - ☐ Doghouse 10B Closure
  - ☐ Exterior Wall Perimeter
  - ☐ Bagroom Wall

## Upcoming Coordination:

- ☐ NOCC - Customs Area Plan
  - ☐ Overhead Investigation
  - ☐ Barricade Wall / Demolition





## Updates by Geography

- ☐ MSC
  - ☐ Concourse
  - ☐ Civil
- ☐ LADWP Sub-station
- ☐ Tunnels
  - ☐ TPAX
  - ☐ Utilidor
- ☐ Gateway
- ☐ BOP
  - ☐ BOP NBHS (IWBT)
  - ☐ BOP Far East Tunnel (Gate 131)
- ☐ BHS





## General Updates:

- ☐ Apron paving
  - ☐ Concrete pour
    - ☐ Formwork On-going
    - ☐ Pour 1 Est. April 24
    - ☐ Pour 2 Est. April 29
- ☐ Exterior lights installation May 20
- ☐ Apron Level BHS curb leave-outs (middle pieces) complete
- ☐ IT room apron level Anti-Static flooring installation on-going
- ☐ Basement Control Room VCT flooring installation on-going

## Upcoming Coordination:

- ☐ Stage 3.1 switch-over 3<sup>rd</sup> week of May (ASR #4439 Rev. 7)
  - ☐ Bus Route shifting North and West closer to the building
  - ☐ Tie-in to Bradley West for utilities:
    - ☐ Domestic Water
    - ☐ Normal and Emergency Power
    - ☐ Communication Line

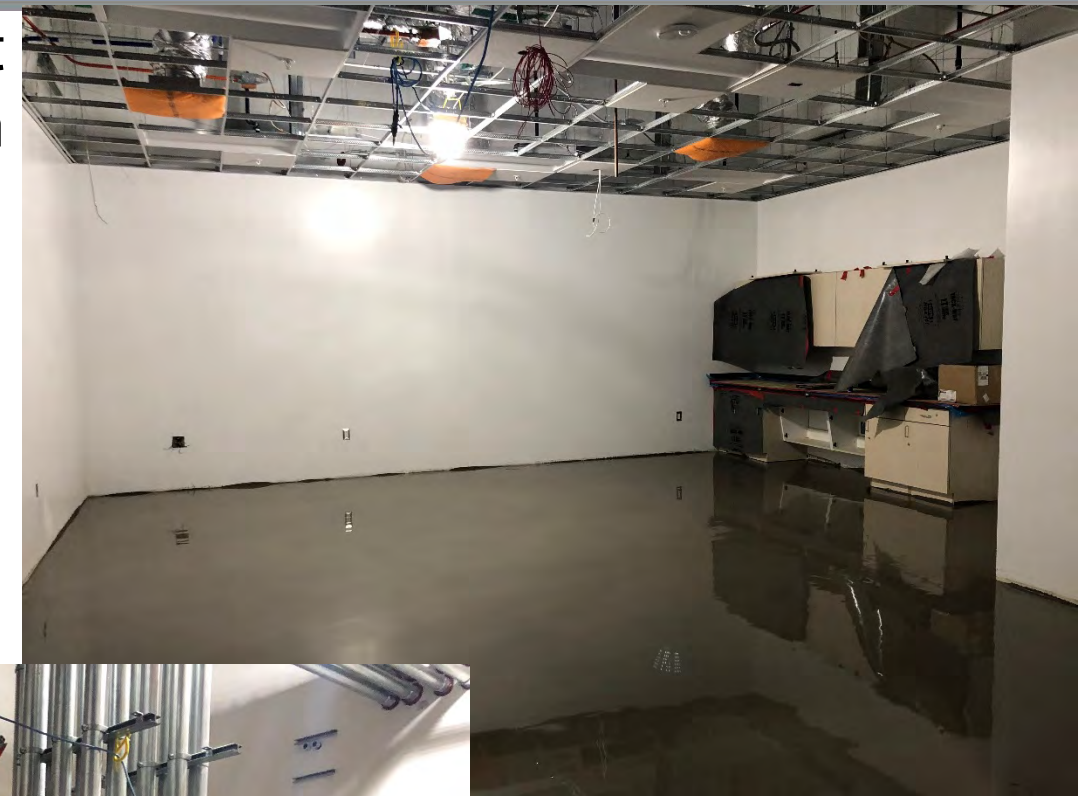




East Side



Basement  
Control Room



Basement  
Electrical  
Room



# BOP Far East Tunnel (Gate 131)

## General Update:

- ❑ Area 1
  - ❑ Storm Drain MH - Ongoing
  - ❑ Electrical Fixtures / Rough In – Ongoing
  - ❑ 75% of Tunnel turn over to VI – (4/29/19)
- ❑ Area 2
  - ❑ LAWA Fiber Optic Cutover - Complete
  - ❑ FAA Fiber Optic Cable Cutovers - Ongoing
  - ❑ DWP Manhole ongoing
  - ❑ Fire Water Cutover (4/25/19 – 4/26/19)
- ❑ Area 3
  - ❑ TBIT Matrix Bldg Structural Work ongoing
  - ❑ Concrete Work on TUG Ramp
  - ❑ CMU Wall - Apron

## Upcoming Coordination:

- ❑ DWP – MH # 1 – Turn Over (4/30/19)
- ❑ FAA Fiber Cutover – (4/22/19)
- ❑ USR for 24" FW Cutover - (4/26/19)





# BOP Far East Tunnel (Gate 131)



**LADWP MH # 1**



**East Tie In Duct Bank**



# BOP Far East Tunnel (Gate 131)



**East Tug Ramp**



**Tunnel - Area 1**



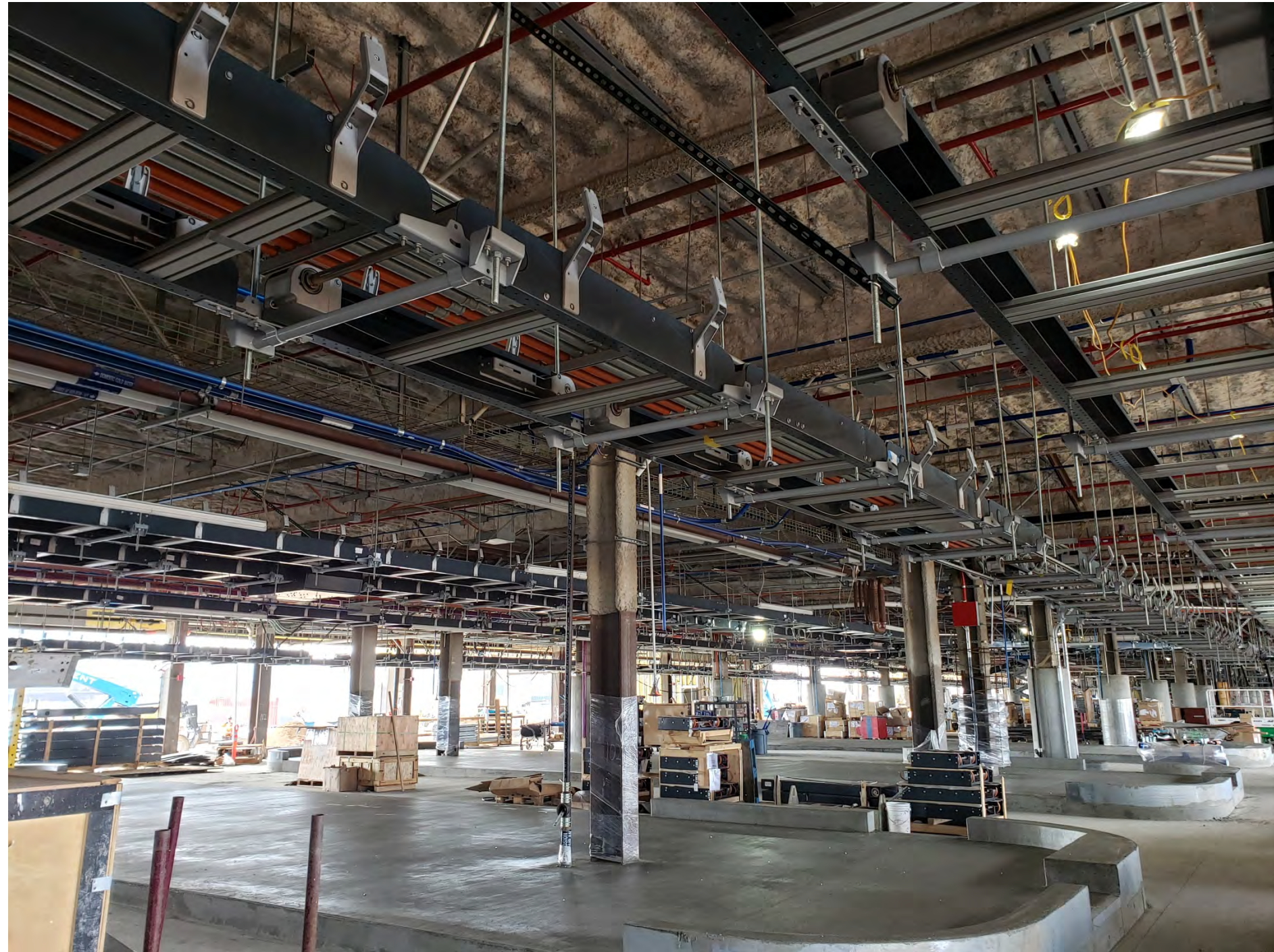
# BHS - MSC and West Tunnel

## General Updates:

- ❑ MSC and West Tunnel
  - ❑ Mechanical Installation:
    - ❑ West Tunnel - 93%
    - ❑ MSC Basement - 47%
    - ❑ MSC Apron - 51%
      - ❑ 5 of 5 Curb pour on 4/25/2019 along with corrected 3 of 5
  - ❑ Electrical Installation:
    - ❑ West Tunnel - 56%

## Upcoming Coordination:

- ❑ Turnover of the MSC Apron remaining portions by 05/01/2019





## General Updates:

- ❑ NBHS and Far East
  - ❑ Mechanical Installation:
    - ❑ NBHS Basement - 42%
    - ❑ NBHS Apron - 36%
    - ❑ Mixing Box - 16%
  - ❑ Electrical Installation

## Upcoming Coordination:

- ❑ Access to the Far East area on 4/29/2019 for deliveries and laydown.
- ❑ 6/17/2019 available for installations

## **Overall Complete:**

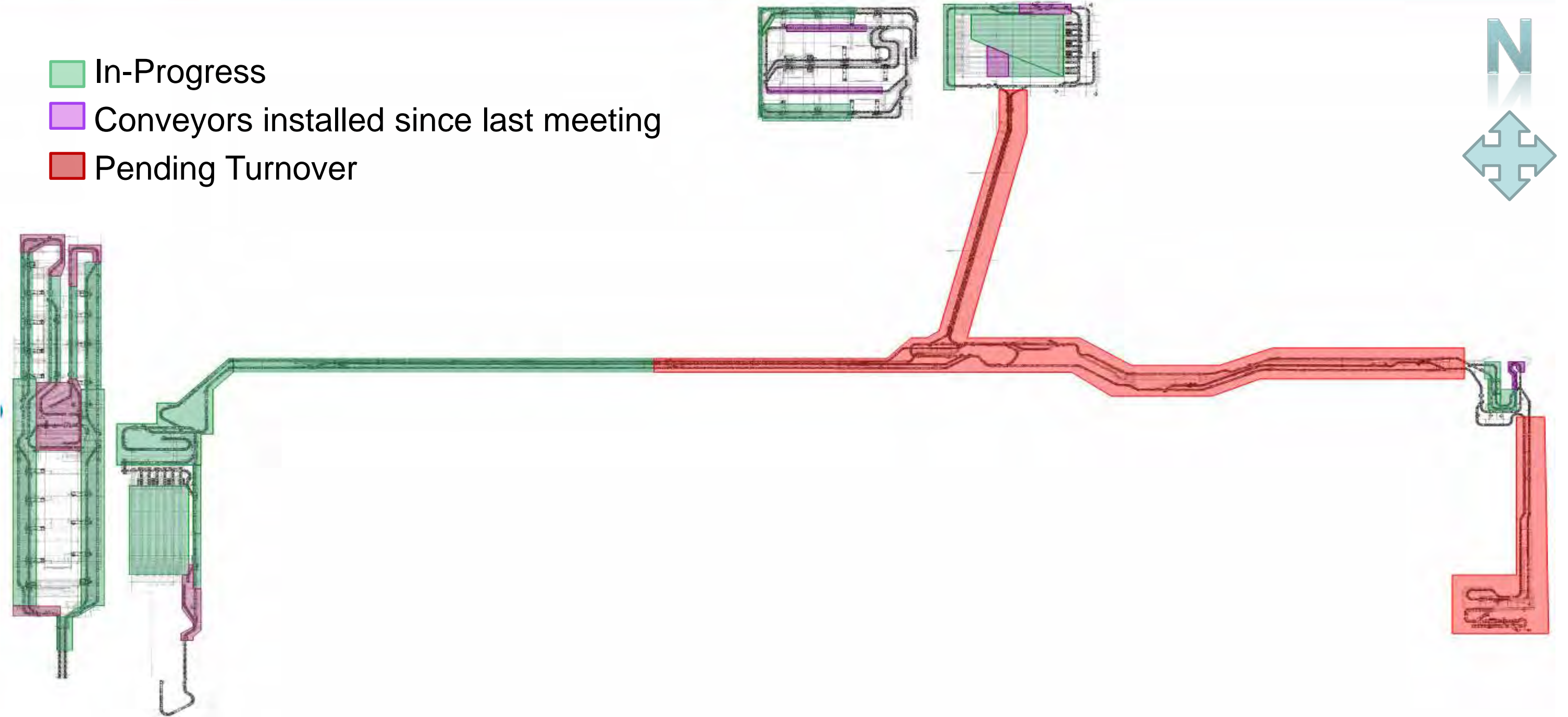
Mechanical – 28.92%

Electrical – 6.0%





- In-Progress
- Conveyors installed since last meeting
- Pending Turnover







MSC Apron Floor Conveyor



MSC Apron BHS Catwalk



MSC Basement South Fire Door Entrance



NBHS Apron Curb Closure



NBHS Basement EBS Support Structure



Mixing Box



# Hydronic Piping Update

## General Update:

- ☐ East Utilidor piping installation ongoing. East and West connection late April 2019
- ☐ Utilidor piping flush Mid May 2019 (Contingent upon power energization)
- ☐ MSC piping installation ongoing
- ☐ MSC piping flush end May 2019

## Upcoming Coordination:

- ☐ System water fill start end of May. Water quality to meet CUP requirements
- ☐ Valves connecting MSC to CUP water system to open in June.
- ☐ Permanent piping connection at Far East Tunnel





## In Works - Stakeholder Coordination:

- ☐ Group III Aircraft Accommodations
- ☐ CBP FIS / TSA SSCP
- ☐ Art Program Additions
- ☐ GIDSs Advertising Modifications
- ☐ Self-Boarding/E-Gates
- ☐ DAS Cellular
- ☐ Interactive Displays
- ☐ Ramp Control Tower Design

## Upcoming Coordination:

- ☐ Children's Play Area Vendor (hold)
- ☐ Back-of-house FF&E Needs
- ☐ Chandelier





## O&M Training Requirements:

- O&M Training Requirements for LAWA Divisions - submitted to Deputy Executive Directors (DEDs) for approval.
- O&M Training Requirements for the Airlines and Service Providers
  - Meetings with Airlines and Service Providers through AvAirPros

## Familiarization:

- The program will start in Aug 2019 and it will include a class session and site tour
- Over 1,800 employees have expressed interest in the program (including LAFD, Operations, IMTG, FMUG, CDG, ADA Community, Guest Services, Concessions, Art Program etc.)

## General **Site Tours** continue

- 2<sup>nd</sup> and 3<sup>rd</sup> Fridays of each month
- Contact Jessica Harris, AOR



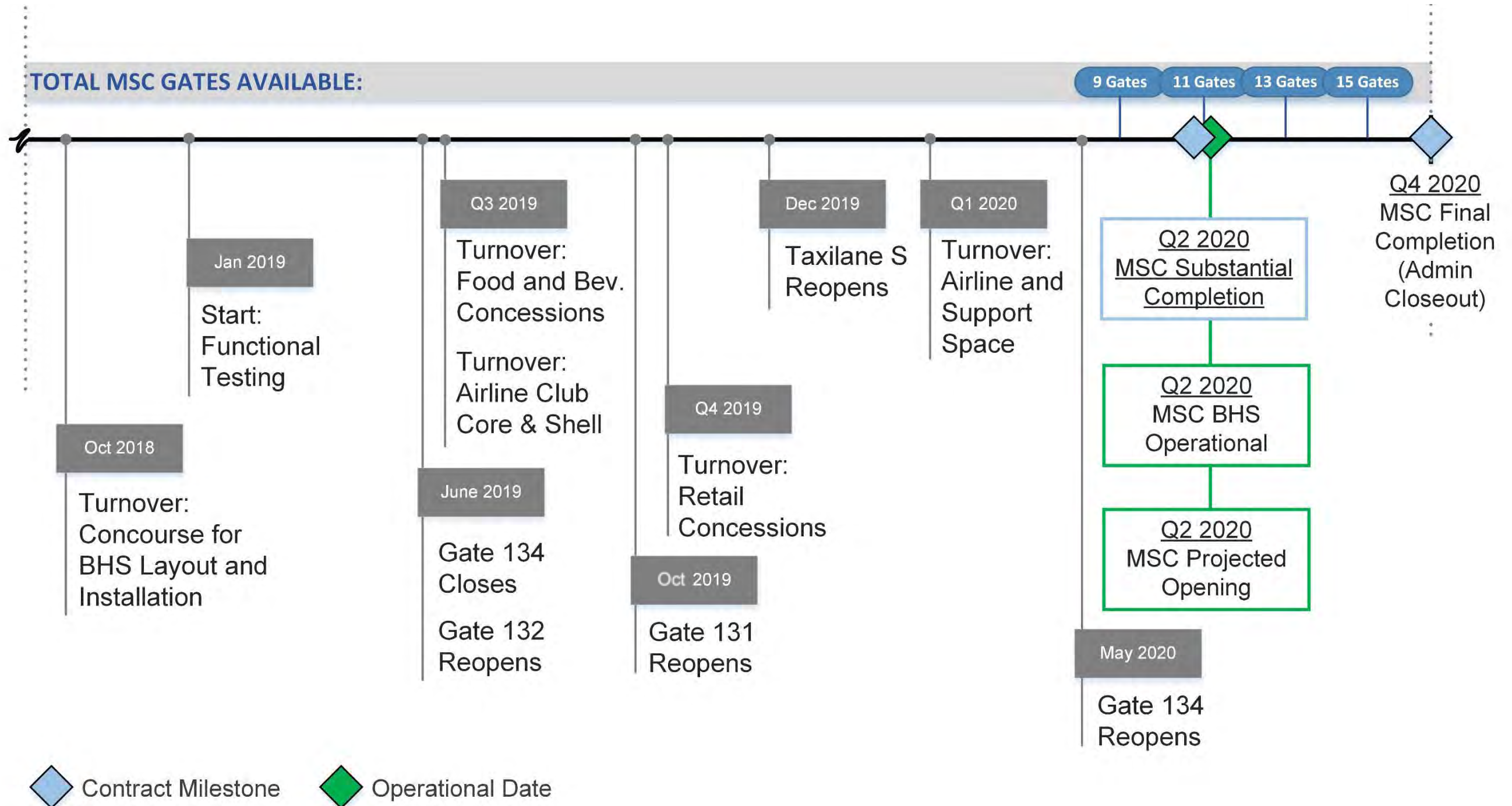


- ☐ Concessions Area Obstruction Walk Apr 18
- ☐ Quarterly Sustainability Update w/ EPG Apr 23
- ☐ Familiarization w/ Vanderlande Apr 23
- ☐ Familiarization w/ Hallmark Aviation Apr 26
- ☐ Ramp Control Tower Stakeholder Meeting #2 May 22

## Recurring

- ☐ Ramp Control Tower Weekly Tues
- ☐ Maintenance Access Walks Weekly Wed
- ☐ AOR FIT for Airlines Weekly Thurs
- ☐ VEO Training Weekly Thurs
- ☐ BHS Coordination Weekly Fri
- ☐ AOR FMUG Working Group Bi-Weekly Thurs
- ☐ Concessions Coordination Bi-Weekly Thurs
- ☐ AOR RCT Focus Group Bi-Weekly Thurs
- ☐ Risk Management Collaboration Bi-Weekly Fri







# Point of Contact - by Area

## MSC

LAWA PDG: David Kim - Project Manager 310-864-9016  
 Brian Proffitt - Area Manager Core & South Concourse 424-646-7030  
 Quy Le - Area Manager N5-N8 424-646-7027  
 Phil Ignacio - Area Manager 424-646-7514  
 Joanne Kulachok - Area Manager RCT 949-291-9526

TPJV: Don Wells - General Superintendent 213-272-9094

## Gateway/Bradley

LAWA PDG: Kris Vogt - Project Manager 714-315-3782

TPJV: Randy Boehringer - Sr. Superintendent 213-494-1474  
 Mike Kozel (Nights) 213-808-4385

## PAX & Utilidor Tunnels

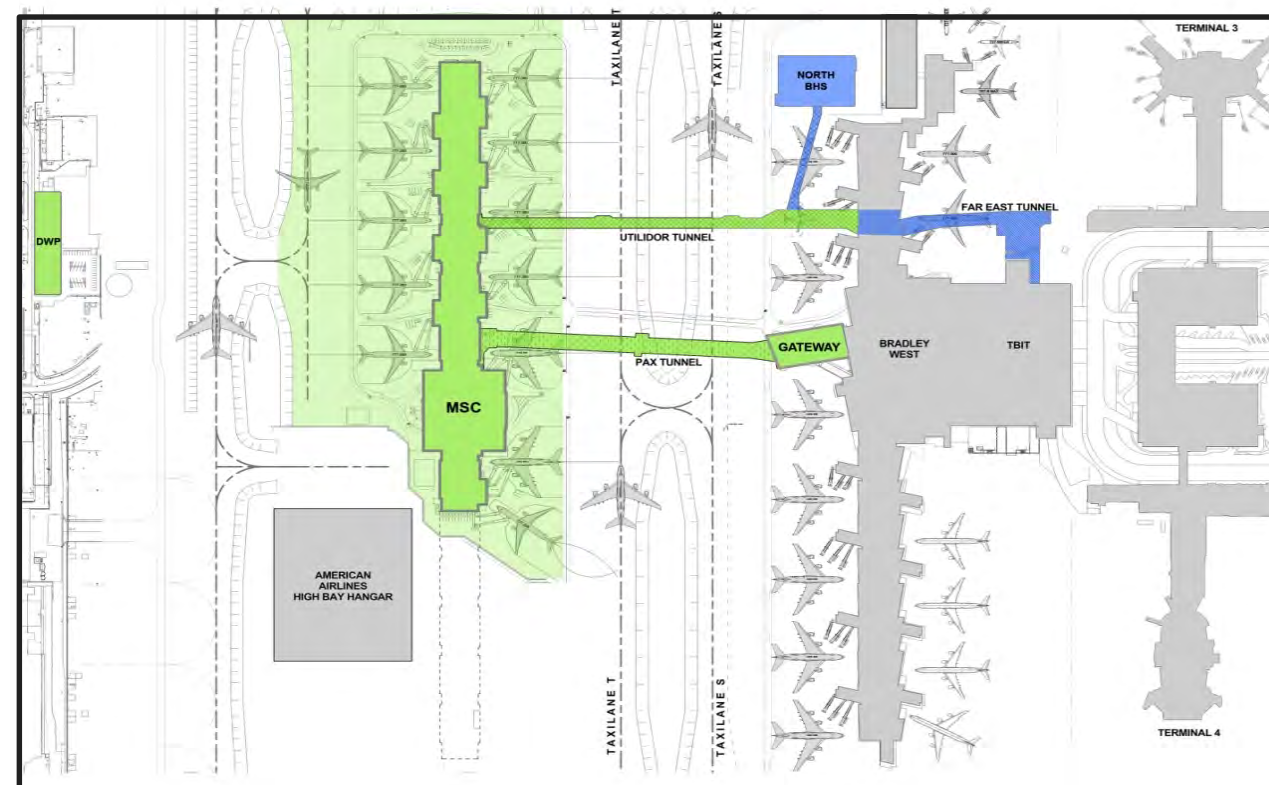
LAWA PDG: Roger Hyun - Project Manager 530-400-6556  
 Noe Leon Martinez - Assistant PM 626-532-0236

TPJV: Justin Farries - Superintendent 747-201-0566  
 Aidan O'Kane - Superintendent 206-639-4926  
 Mike Kozel (Nights) 213-808-4385

## BOP (FET & NBHS)

LAWA PDG: Doug McAdams - Project Manager 310-941-6693

TPJV: Bob Welch - NBHS Superintendent 818-448-6244  
 John Lawrence - Far East Tunnel Superintendent 818-303-5379  
 Aidan O'Kane - BOP/Tunnel General Superintendent 206-639-4926  
 Mike Kozel (Nights) 213-808-4385



## LADWP Substation

LAWA PDG: Ken Saucier - Assistant PM 323-470-8794

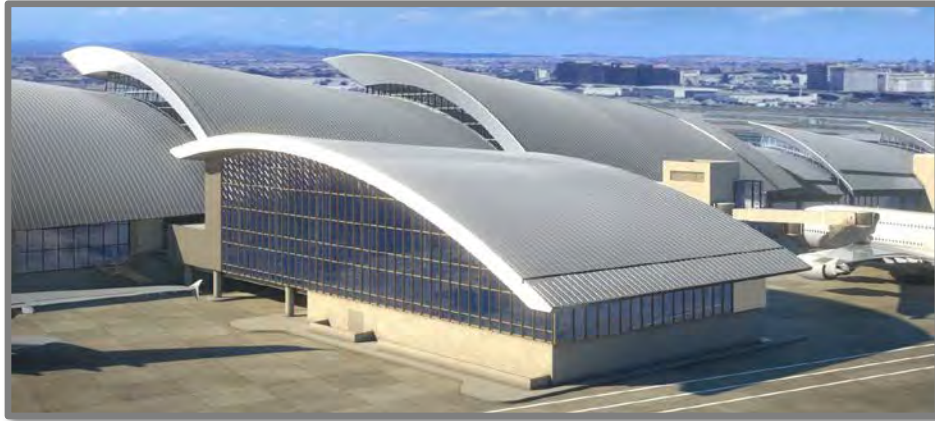
TPJV: Pramodh Reddy - Assistant PM 407-488-6062  
 George Sarkis - Assistant Superintendent 818-271-0244

## Civil

LAWA PDG: Aymen Rasem - Project Manager 714-296-4228  
 Joanne Kulachok - Project Manager 949-291-9526  
 Ken Saucier - Assistant PM 323-470-8794

TPJV: Aidan O'Kane - Superintendent 206-639-4926  
 James Lutz - Superintendent 818-482-4221





**Questions / Feedback**