



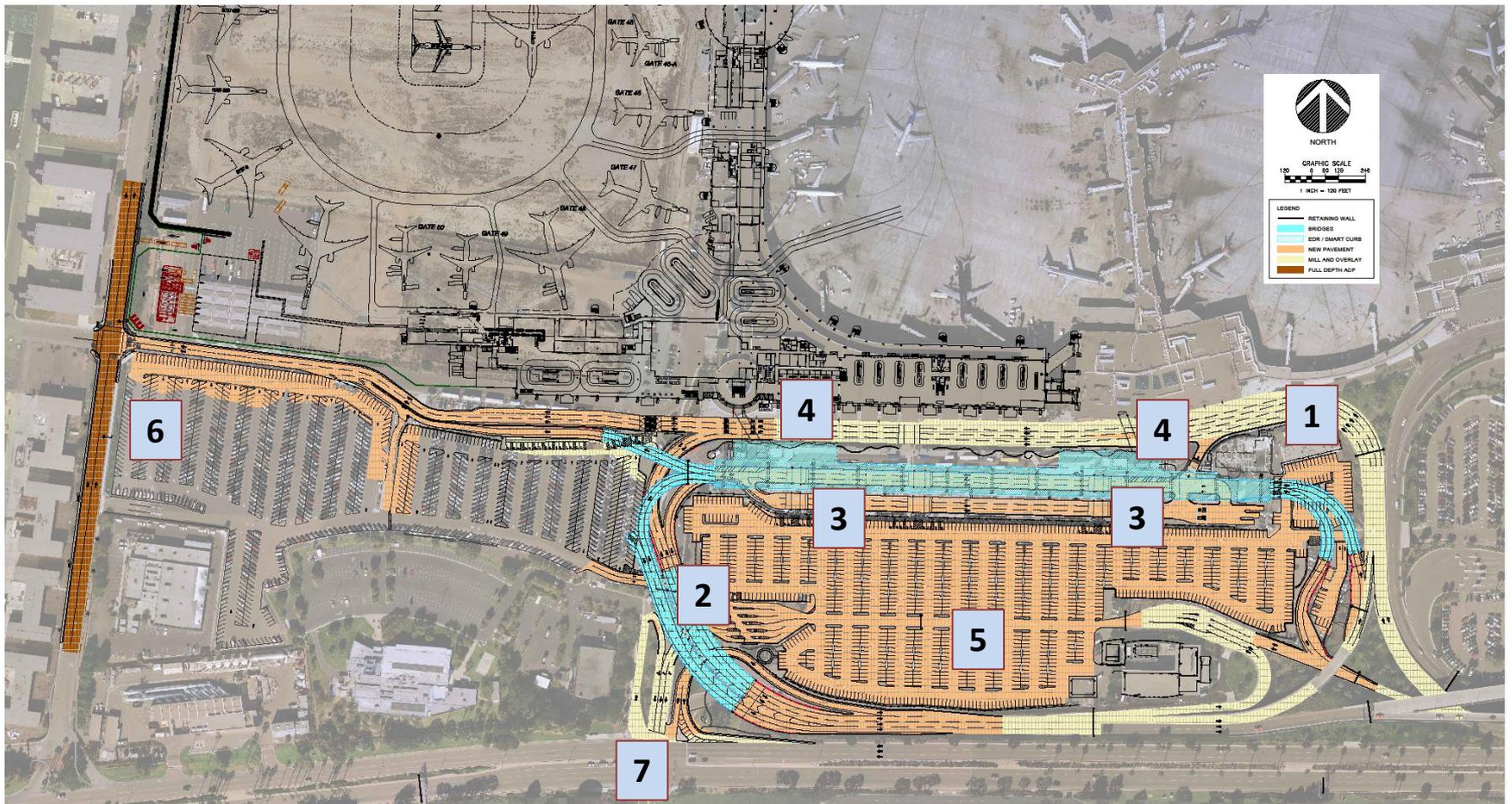
# Landside & Terminal 2W Phasing

October 11, 2011



# Program Update

- Contract 1 & 2 Phasing
  - Challenges
  - Key project elements
  - Phasing options to achieve schedule



## Key Project Elements:

- |                                      |                          |
|--------------------------------------|--------------------------|
| 1. USO/PMO                           | 5. Short Term Parking    |
| 2. Elevated Departures Roadway (EDR) | 6. Spurance/McCain Roads |
| 3. Curbside Check-in Pavilions       | 7. Spanish Landing Entry |
| 4. Pedestrian Bridges                |                          |



# Landside Phasing

- Ground Transportation Plaza Shift – February/March 2012
  - Shuttle busses, taxis moved approximately 300 feet west
- Close Spanish Landing Entrance into the Airport
  - Mid-November 2011 to October 2012
- Re-Open Terminal 2 Short-Term Parking Lot (1,355 spaces)
  - Phase 1 (700 spaces) – October 2012
  - Phase 2 (300 spaces) – February 2013
  - Phase 3 (355 spaces) – April 2013
- Open USO/Parking Management Offices Construction Completed – October 2012



# Landside Phasing

- Elevated Departure Roadway (EDR)
  - Work completed – March 2013
  - Roadway opened – May 2013
- Open Smart Curb and Pedestrian Bridges
  - Tied to new T2W ticket counter opening (May 2013)
- Open Spruance Road to Passenger Vehicles
  - Road available for exiting traffic – November 2012
  - Tied to new T2W baggage claim area - July 2013



USO/PMO – Entrance Roadway



# Curbside Check-in Pavilions



5' 0" MINIMUM CLEARANCE HEIGHT  
ACTIVE LOADING AND UNLOADING ZONE  
NO WAITING

2  
EXIT

EXIT

EXIT

EXIT



Short-Term Parking – Looking Northwest



# Terminal Construction Phasing





# Terminal 2W Challenges

- Maintain passenger operations and a high level of customer service in Terminal 2W while:
  - Adding the new hold rooms and jet gates on the west side of the existing concourse
  - Replacing the old floor tile in the existing concourse with terrazzo
- Develop a schedule that permits the on-time mid-2013 opening of the expanded new T2W



# Terminal 2W – Key Project Elements

- New security checkpoint
- New ticket counters
- Six new gates - north concourse
- Four new gates - west concourse
- Sunset Cove
- New inbound baggage claim
- New outbound baggage screening & sortation
- Upgrade existing ticket & gate counters



# How to Achieve Schedule?

- The “Big Bang”
  - Everything completed and ready to open in mid-2013
- A Phased Opening:
  - Most key project elements opened earlier
  - Six phases over the course of a eight months
  - Grand opening in early August 2013

# Terminal Opening Approach Dictates Terrazzo Replacement Phasing

- Full Terminal Opening (“Big Bang”) – End of June 2013
  - Complete terrazzo so all gates (new and existing) are opened at the same time
  - Existing concourse segmented into 18 phases
  - 10 foot wide hallway for 14 months
- Partial Concourse Opening – Early August 2013
  - Current number of the gates always operable - open new gates/close existing gates
  - Two phases – the existing and the new concourse
  - 22 foot wide hallway for 5-1/2 months



# Recommended Approach

- The “Big Bang”

- Everything completed, operational and ready to open on **mid-June 2013**

- A Phased Opening

- Most key project elements opened earlier
- Six phases over the course of a eight months
- Grand opening in **early August 2013**

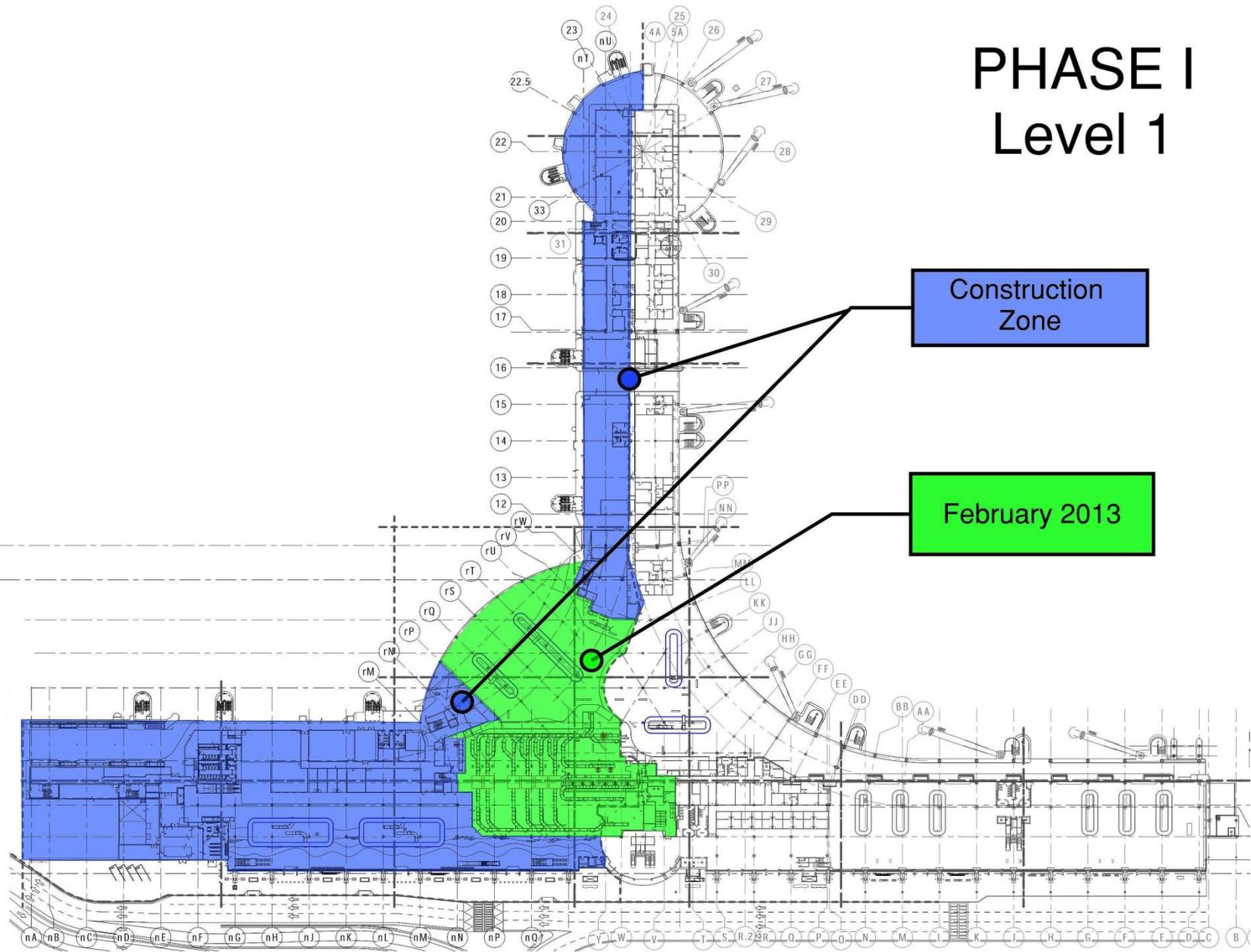
# **Level One & Two**

## Terminal/Concourse Phasing

# PHASE I Level 1

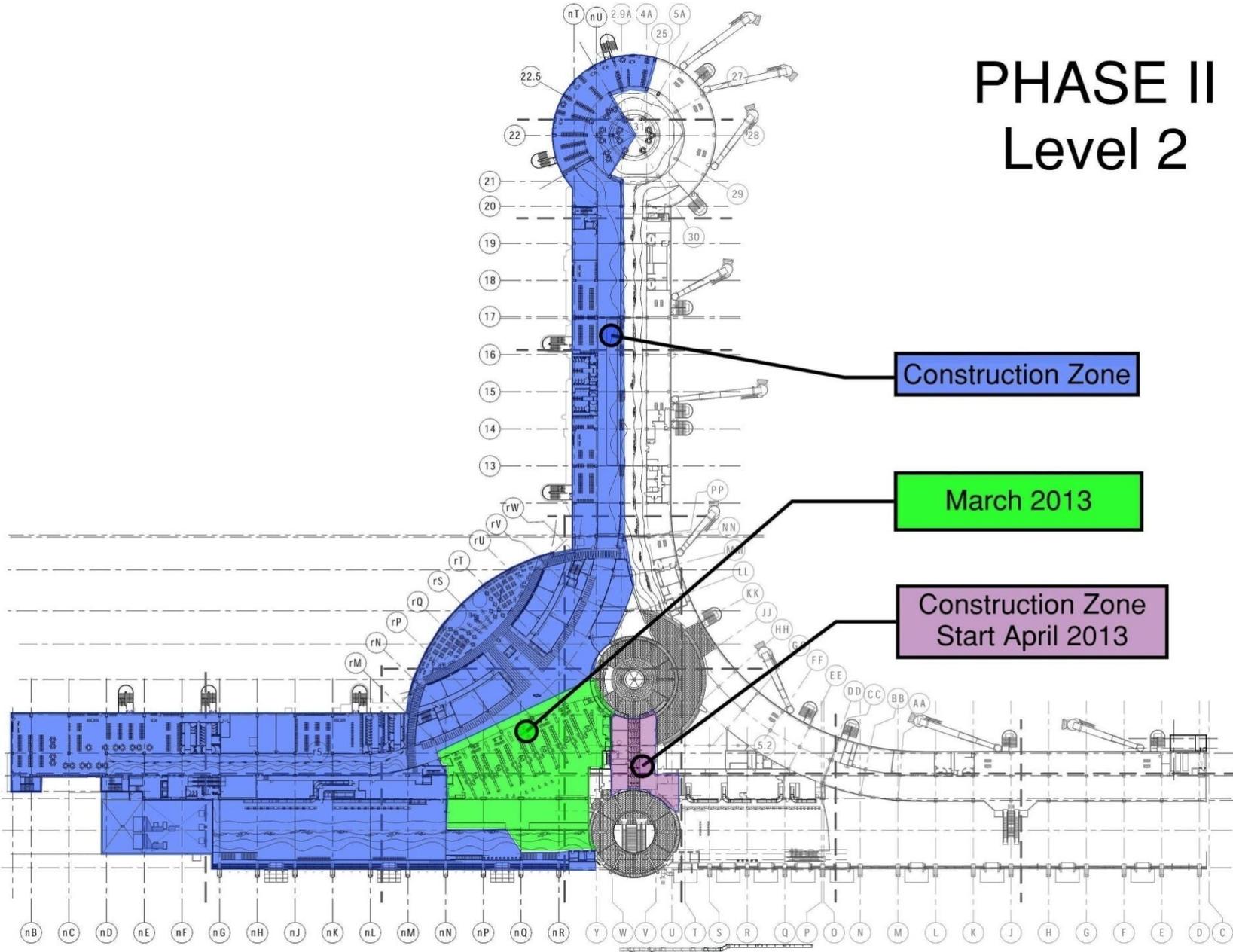
Construction  
Zone

February 2013



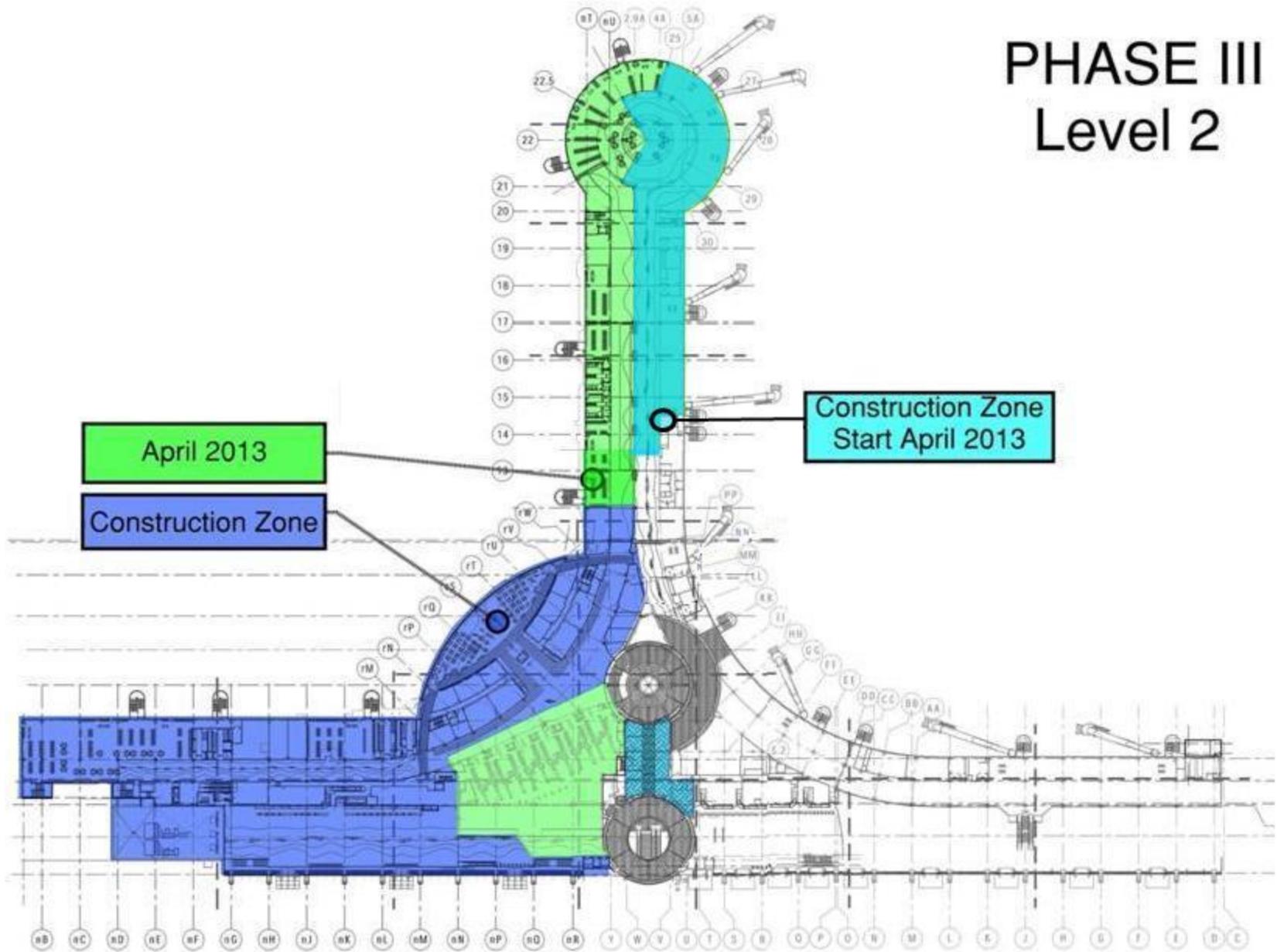
# New Outbound Baggage Screening & Sortation

# PHASE II Level 2



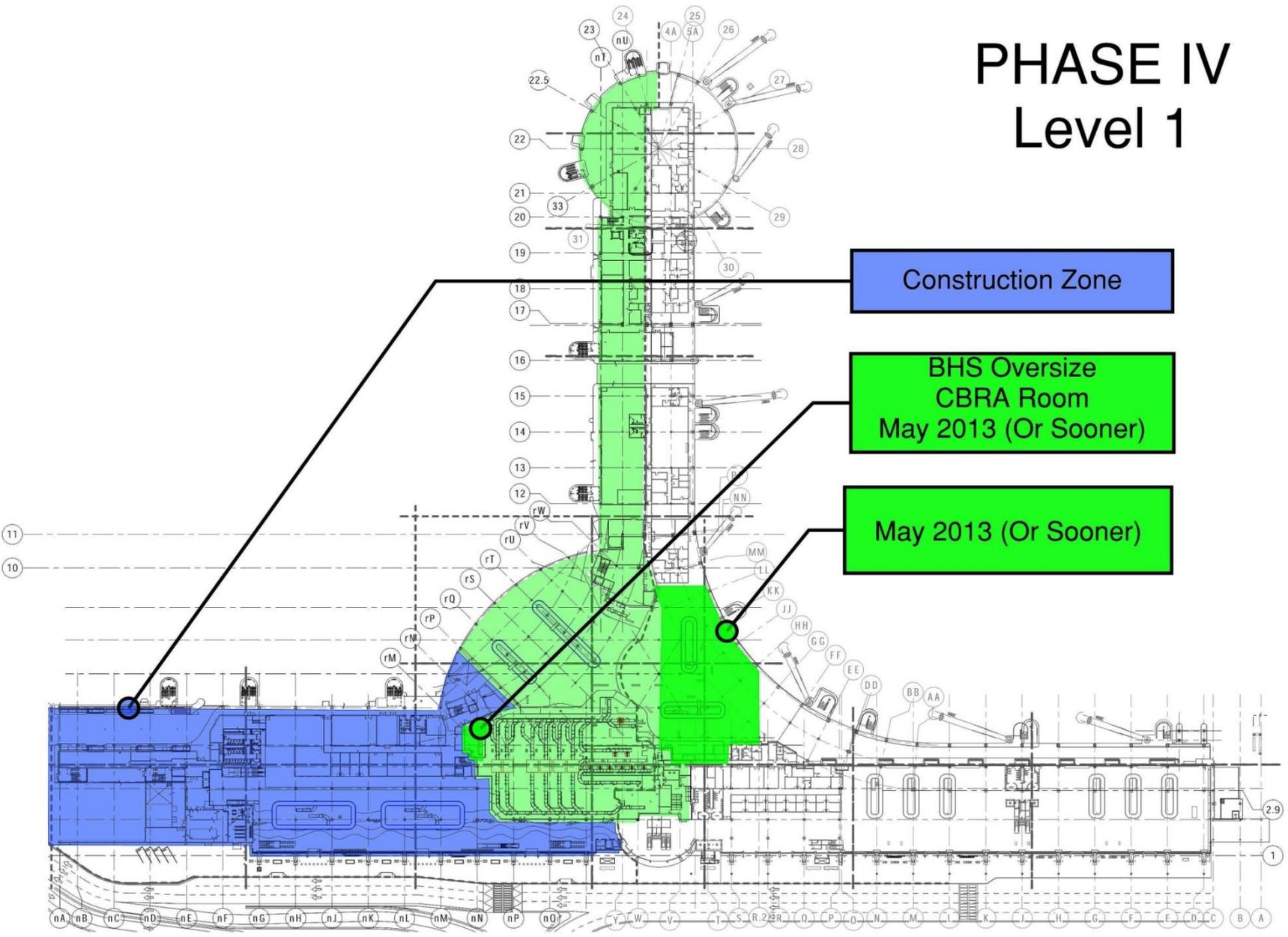
## New Security Checkpoint

# PHASE III Level 2



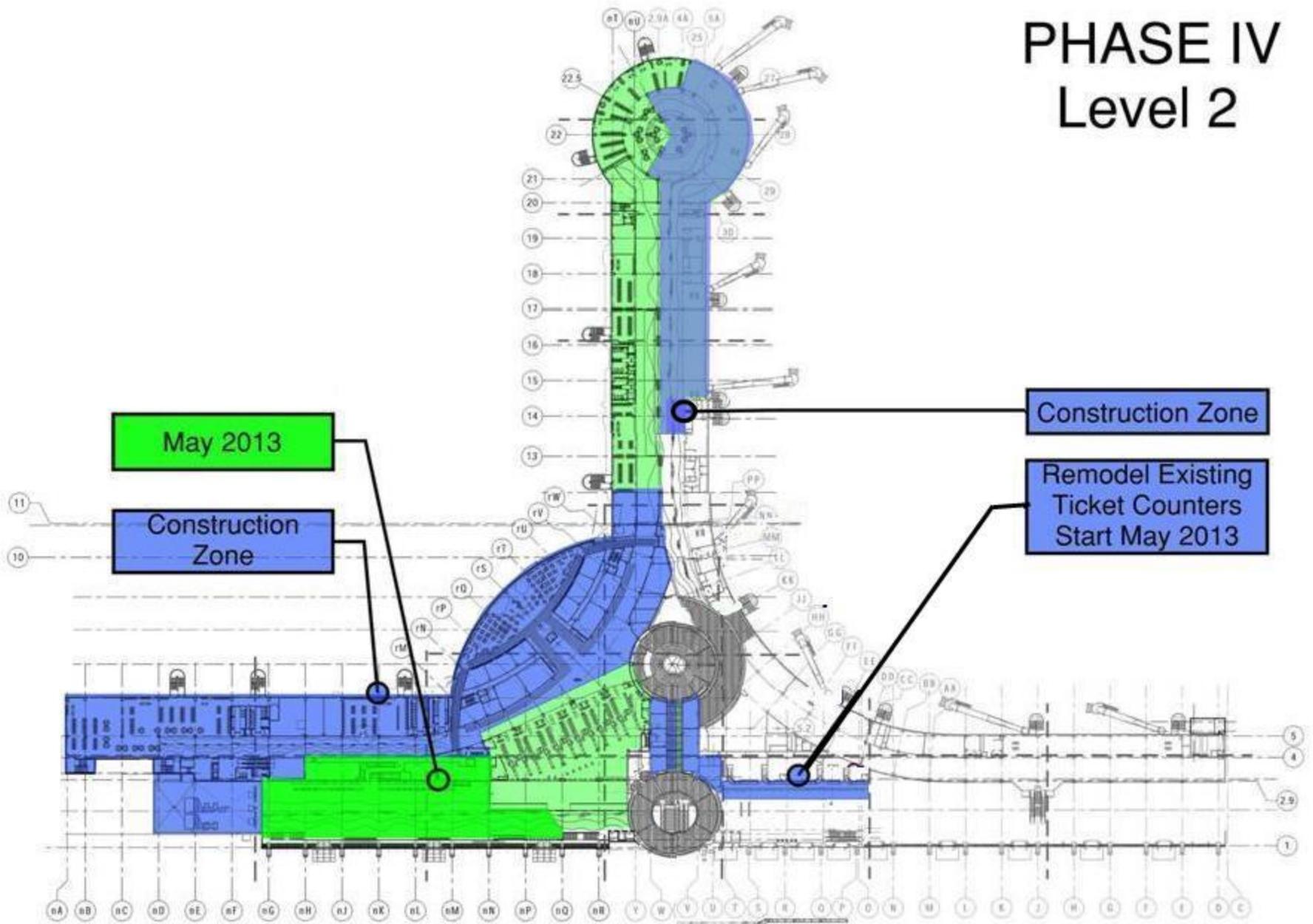
Open 42-47 Gates / Close 37-41 Gates

# PHASE IV Level 1



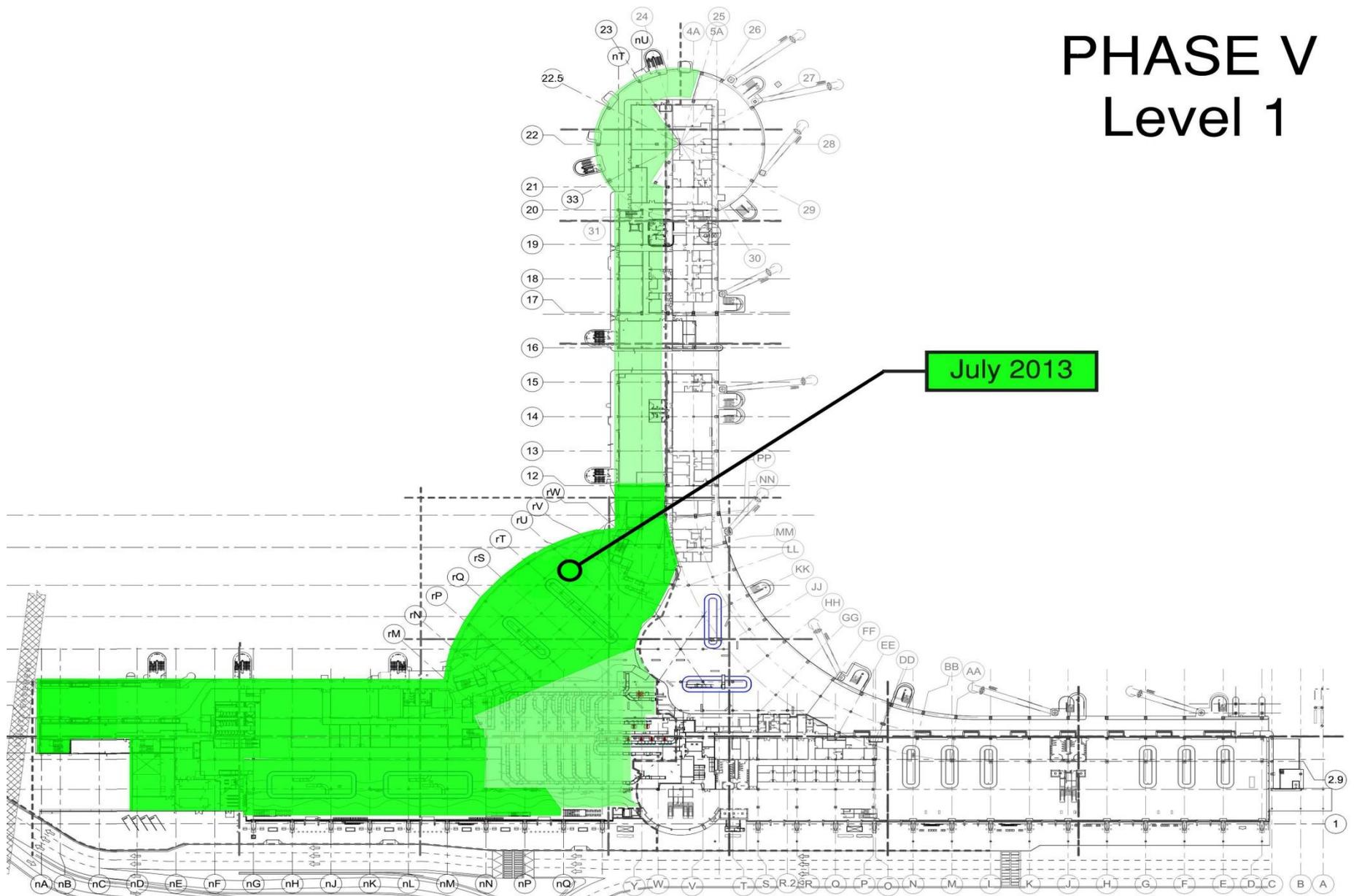
## Remaining Baggage Sortation Piers

# PHASE IV Level 2



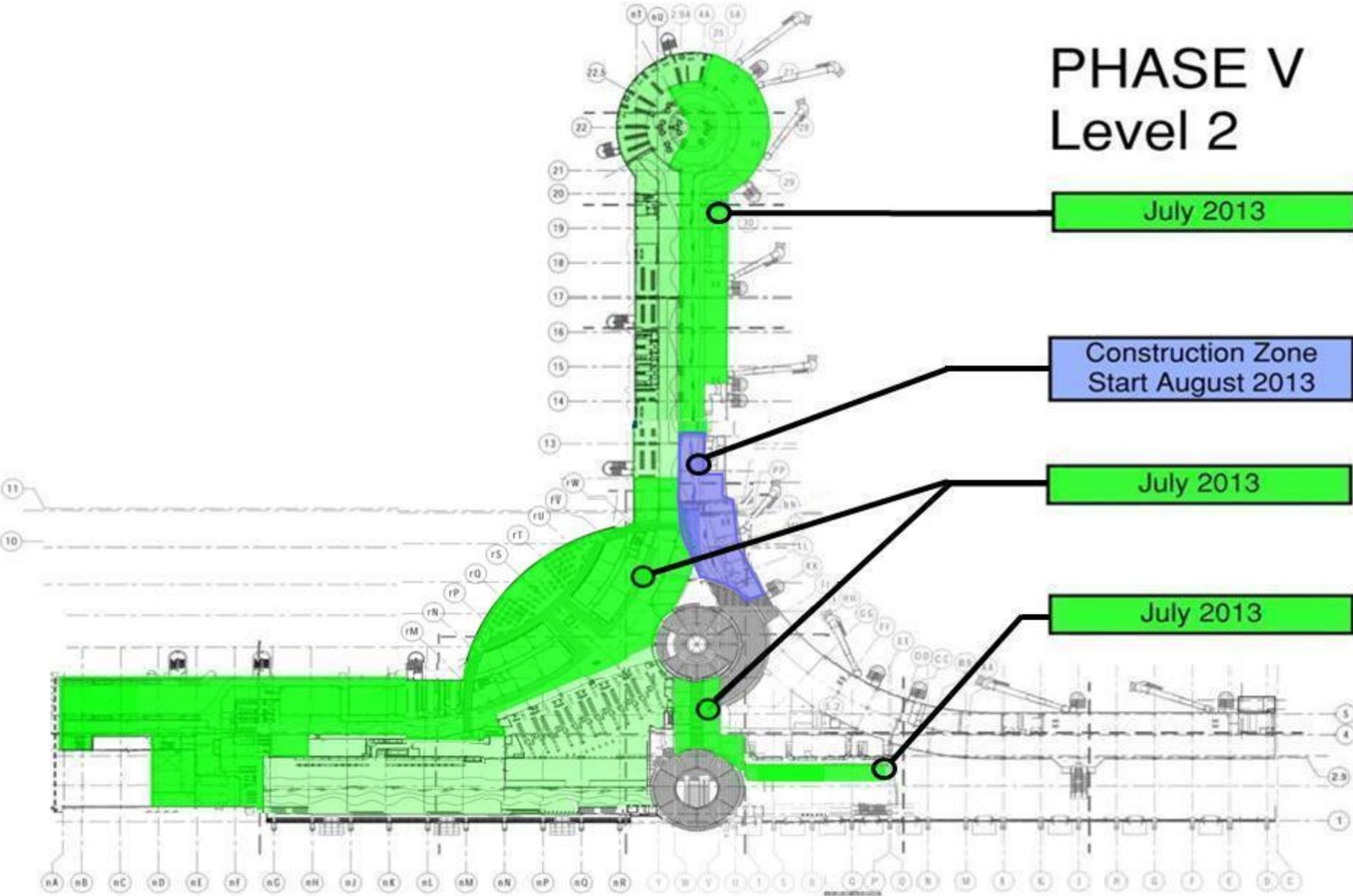
New Ticket Counters

# PHASE V Level 1



## Baggage Claim & Outbound Baggage Sortation

# PHASE V Level 2



9 Gates, Ticket Counters & Sunset Cove

# Grand Opening – Early August 2013



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# Questions?



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# Program Update

October 2011





# Program Update Topics:

- Terminal
- Airside
- Landside
- Budget & Schedule

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# Terminal



# Terminal

## **Structural Steel**

- 5,425 tons of steel - 99% complete
- Entry Canopies are the only structural steel items remaining.

## **Fireproofing**

- Fireproofing of the steel - 25% complete
- Fire sprinkler piping - 35% complete

## **Mechanical/Electrical/Plumbing/Special (MEPS)**

- Underground plumbing - 99% complete.
- Underground electrical conduit - 95% complete.

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# Terminal



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# Terminal



# Terminal

## Concrete & Foundations

- 24 of the 25 concrete deck pours completed.
- 6 of the 10 slab-on-grade pours completed.
- 13 of 30 inclined columns poured
- Terminal Stats:
  - Installed 971 of 1,120 tons of rebar (87%)
  - Poured 15,583 of 20,000 CY of concrete (78%)

## Existing Terminal Interface Work

- Demolition of the existing concrete slab in the south rotunda - 75% complete.

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# Terminal



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# Terminal



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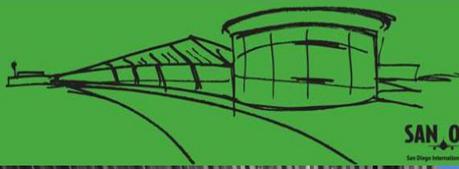
# Terminal



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# Terminal



04/08/2011 13:18

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# Airside



# Airside

## **Apron Paving – North Apron**

- Cement Treated Permeable Base (CTPB) – 99% complete
- Econocrete - 99% complete.
- Concrete Paving - 80% complete.

## **Blast Fence**

- Blast Fence construction - 50% complete.
- Security Wall foundation and pilasters - 80% complete.

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# Airside



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# New Apron (North Section)



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# Landside



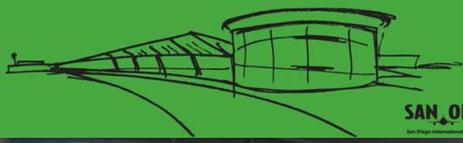
# Landside

## East Side Utilities

- Existing utilities are being removed to make way for the new foundations and structures.

## Tunnel Work

- East and West Baggage Tunnels concrete work is ongoing.





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# Baggage Tunnel





# Flared Bridge Columns



# Landside

## Foundations:

- **Cast in Drilled Hole (CIDH) Piles** - Completed 12 of 26
- **Pre-Cast Concrete Piles** - Completed 354 of 434
- **Cast in Steel Shell (CISS) Piles** - Completed 26 of 88

## Structures:

- **Elevated Departure Roadway Columns** - Completed 12 of 26
- **Flared Bridge Columns** – Completed 5 of 24
- **Bridge Abutments** – Completed 3 of 5

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# Elevated Departure Roadway

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# New Bridge Abutment



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# New Bridge Abutment



# Landside

## **USO/PMO Stats:**

USO – 9,200 square feet

PMO – 6,200 square feet

Cost – \$4.2 million (USO component)

Steel Erection (250 Tons)

Began – 9/27/11

Completed – 10/7/11

- Planned Opening for USO – April 2013

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# USO/PMO Steel Erection



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# USO/PMO Steel Erection



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# USO/PMO Steel Erection



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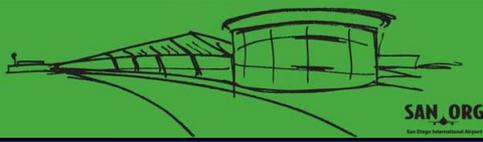
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# USO/PMO Steel Erection





100

90

80

70

60

50

40

30

20

10

0

■ Planned

■ Actual

28%

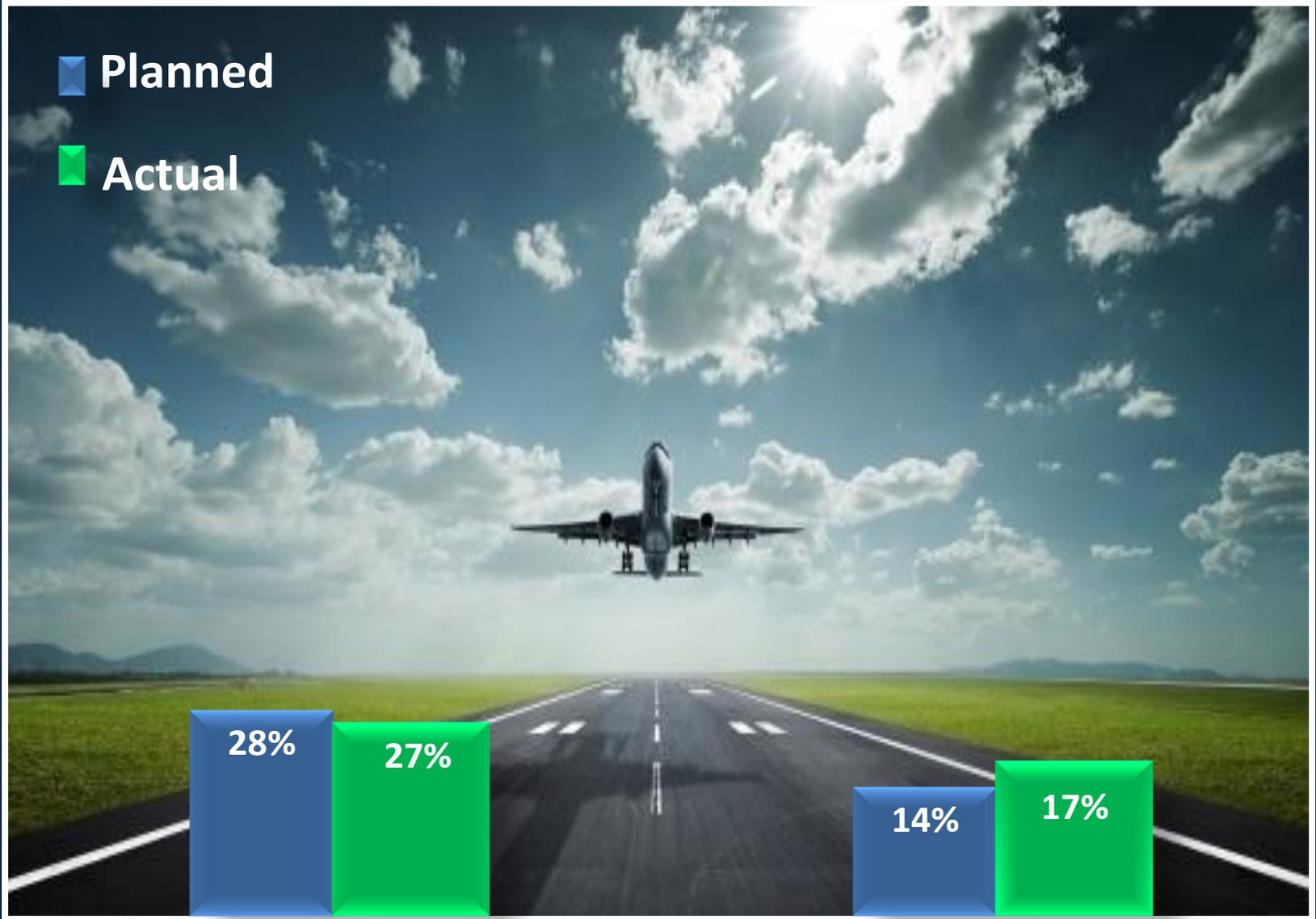
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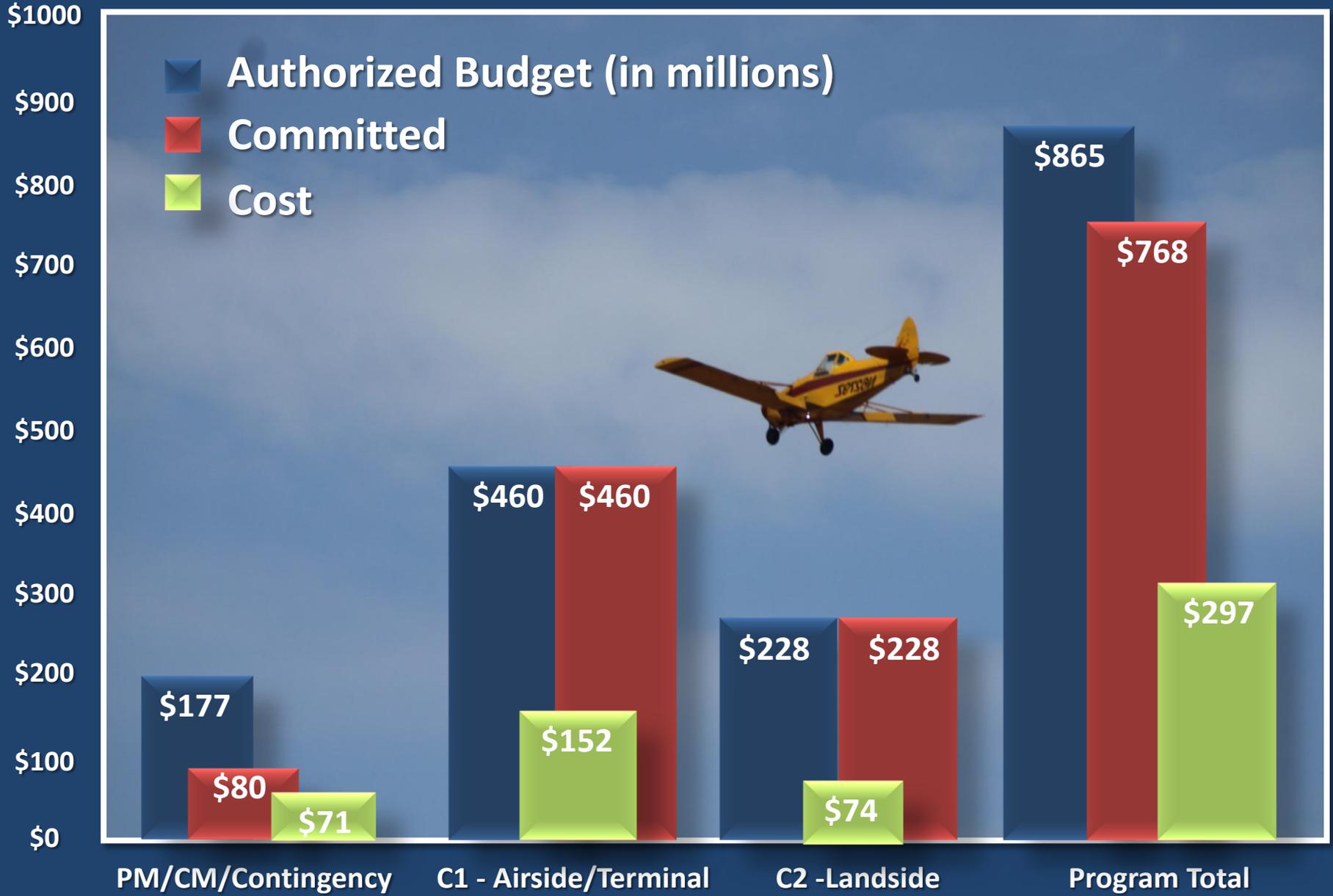
14%

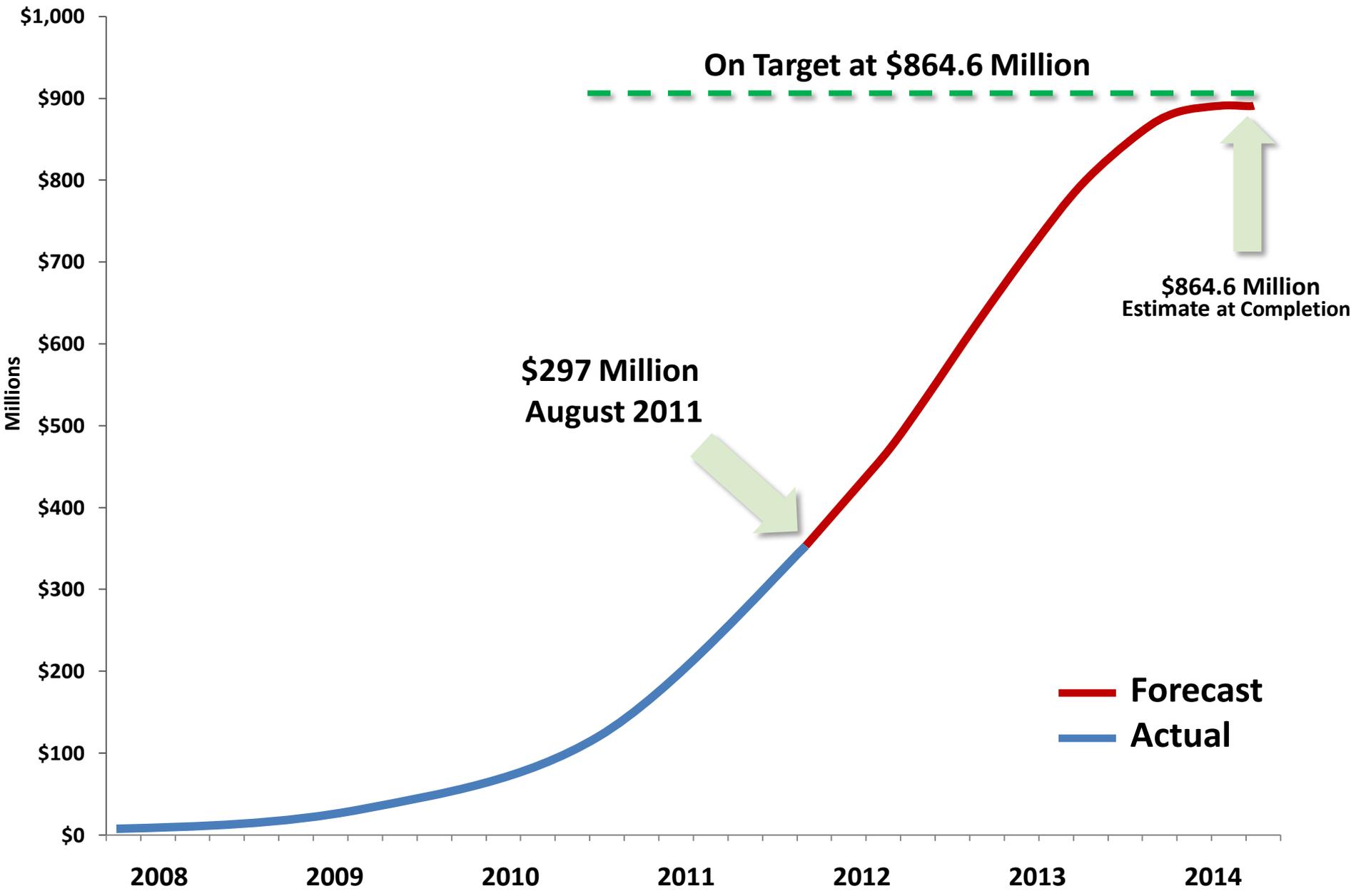
17%

**C1 - Airside/Terminal**

**C2 - Landside**







**On Target at \$864.6 Million**

**\$297 Million  
August 2011**

**\$864.6 Million  
Estimate at Completion**

**Forecast**  
**Actual**

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# Questions?