

Appendix A

EWR Terminal A Redevelopment Program Elements

The Terminal A Redevelopment Program is comprised of the following program elements as illustrated in Figure 1:

Terminal

A new, three-level terminal arranged in a “T” configuration, with a double-loaded east pier and single loaded north and south pier passenger concourses as shown in Figure 2. It includes:

- 33 gates.
- Approximately 1 million square feet.
- A Tail of Stand (TOS) roadway to service all gates and a Head of Stand (HOS) roadway to service the North and South piers and the headhouse.
- A new at-gate hydrant fueling system.
- The demolition of Building 350 and the reclaim of the current UPS leasehold.
- The demolition of Building 345 (former US Postal Service facility).
- An enclosed pedestrian bridge with provisions for a future AirTrain Station, connecting to a new parking garage.

Parking

A new multi-level parking garage and surface lot to provide up to 3,000 spaces, along with a toll plaza in the existing Parking Lot P-1, as shown in Figure 2.

Airside

140 acres of airside paving as shown in Figure 2, inclusive of:

- Site clearance and utility work.
- New stormwater collection system with the capability of isolating deicing fluids.
- The reconfiguration of airside features, including aircraft parking areas and taxilanes to improve aircraft movements and provide operational flexibility.
- The demolition of the following:
 - Satellites A1, A2 and A3 and connectors (the existing Terminal A headhouse will remain).
 - Building 342 and the reconfiguration of the existing FedEx cargo facility area.
 - Building 331 (Chelsea Kitchen).

Landside

The landside portion of the Program consists of separate access roadways to the new terminal from the airport entrance along with new, dedicated frontage roadways to service the new terminal, creating more efficient traffic circulation for Terminals B and C, and the entire airport.

The scope includes:

- The excavation of side slopes of the existing Peripheral Ditch to meet NJDEP water surface elevation.
- Eight elevated roadway bridge structures, as shown in Figure 3:
 - Bridge N57 is a curved bridge of ~500 feet length that spans over the existing Peripheral Ditch and connects the new roadway network on each side of the ditch.
 - Bridge N58 is a curved bridge of ~840 feet length that spans over the existing Peripheral Ditch and connects the new roadway on the west side of the ditch to Bridge N60 at the departures level of the new Terminal A.
 - Bridge N59 is a curved bridge of ~700 feet length that spans over the existing Peripheral Ditch and connects the new roadway on the west side of the ditch to the arrivals level of the new Terminal A.
 - Bridge N60 is a bridge of ~1,000 feet length that spans the frontage of the new Terminal A and provides pedestrians direct access to the departures level.
 - Bridge N61 is a bridge of ~790 feet length that connects Bridge N60 from the departures level of Terminal A to Bridge N63.
 - Bridge N62 is a bridge of ~480 feet length that connects the arrivals level of Terminal A to Bridge N63.
 - Bridge N63 is a bridge of ~570 feet length that spans over the new on-grade roadway and connects bridges N61 and N62 down to the new on-grade roadway.
 - Bridge N64 is a bridge of ~180 feet length that spans over the existing Hotel Rd. in the Central Terminal Area and provides access to short-term parking and ground transportation.
- At-grade roadways, structures and associated utilities.

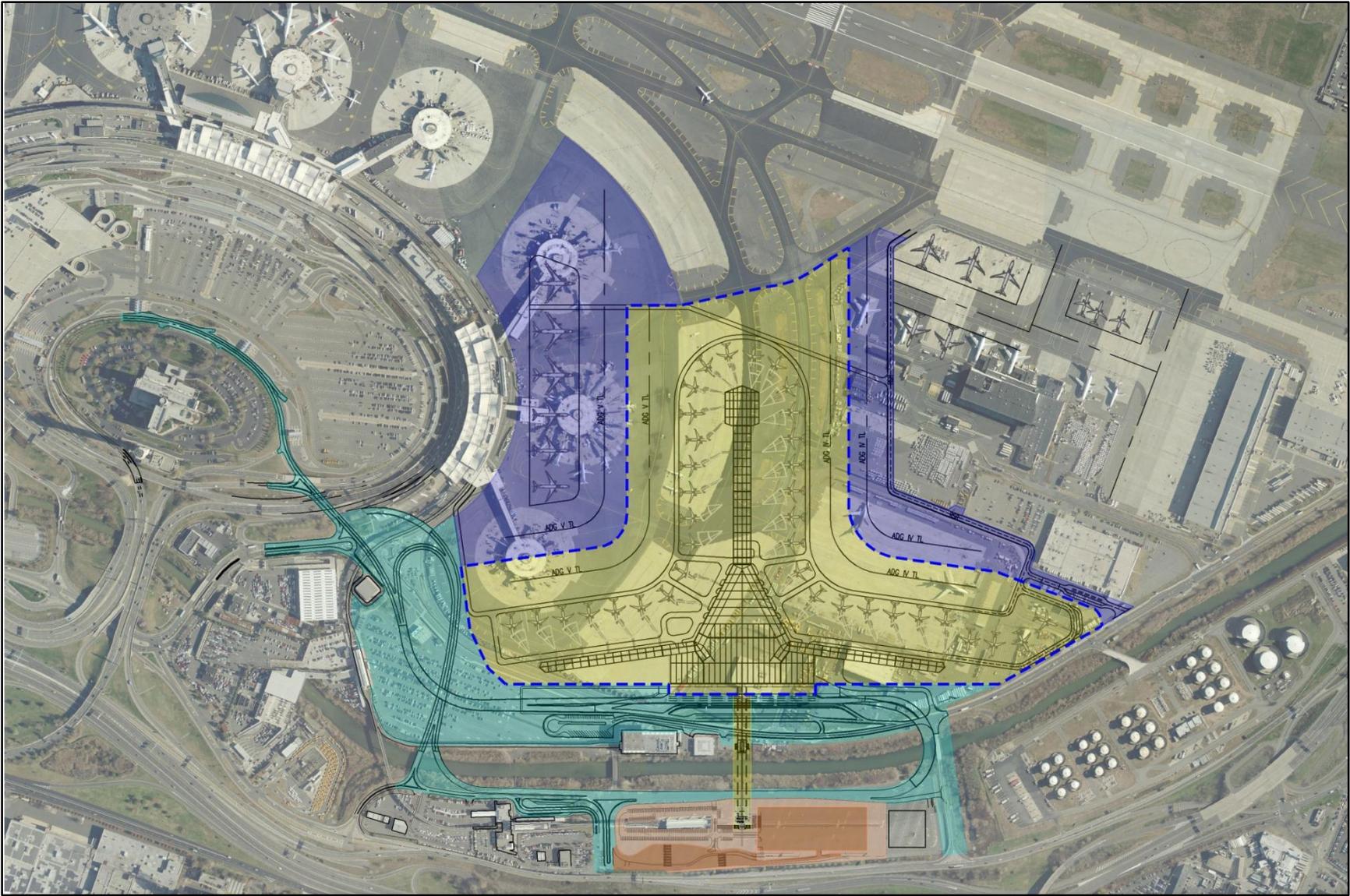


Figure 1 – Aerial Photo of the Terminal A Redevelopment Program

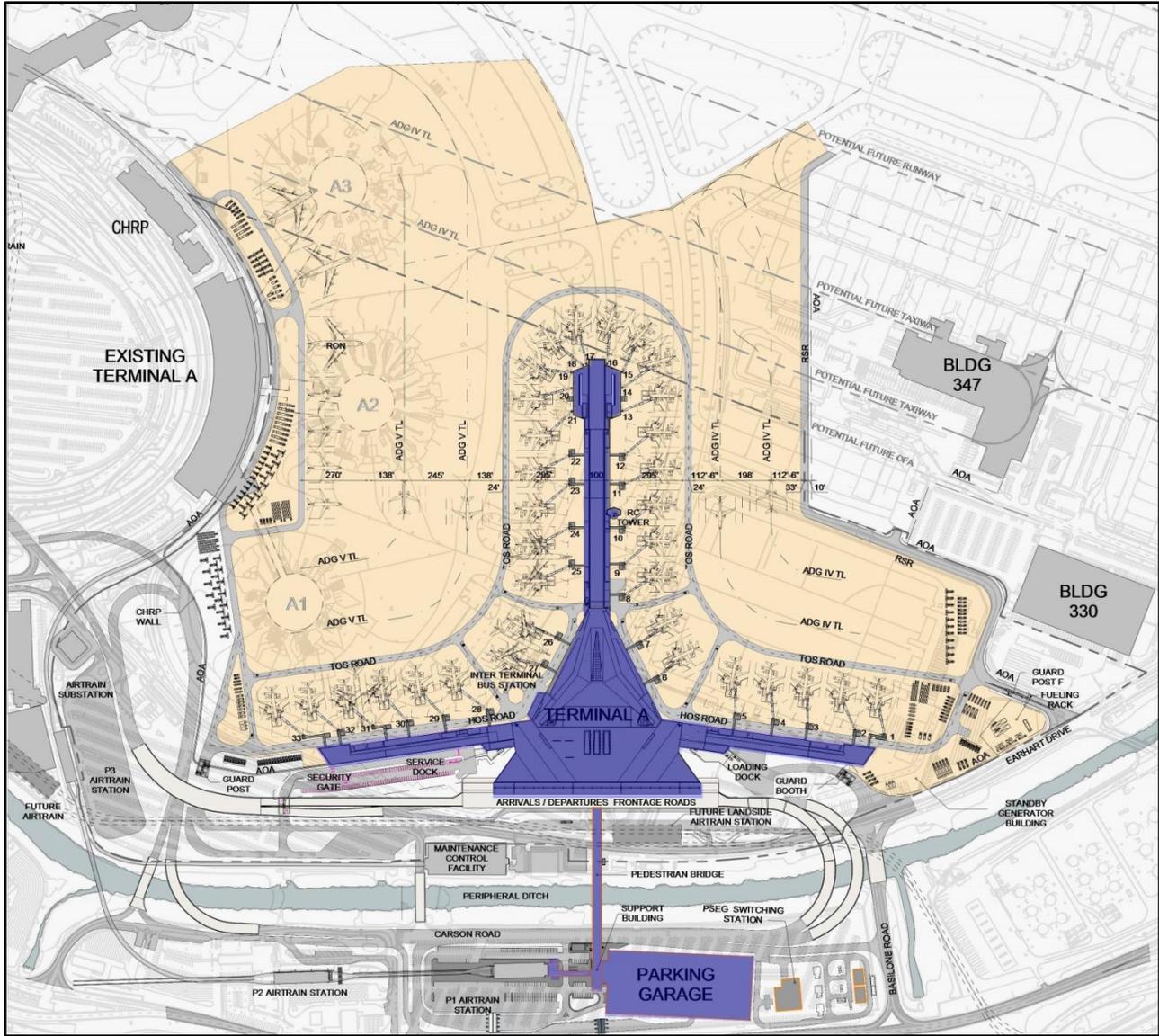


Figure 2 - Terminal A Redevelopment Program Site Plan

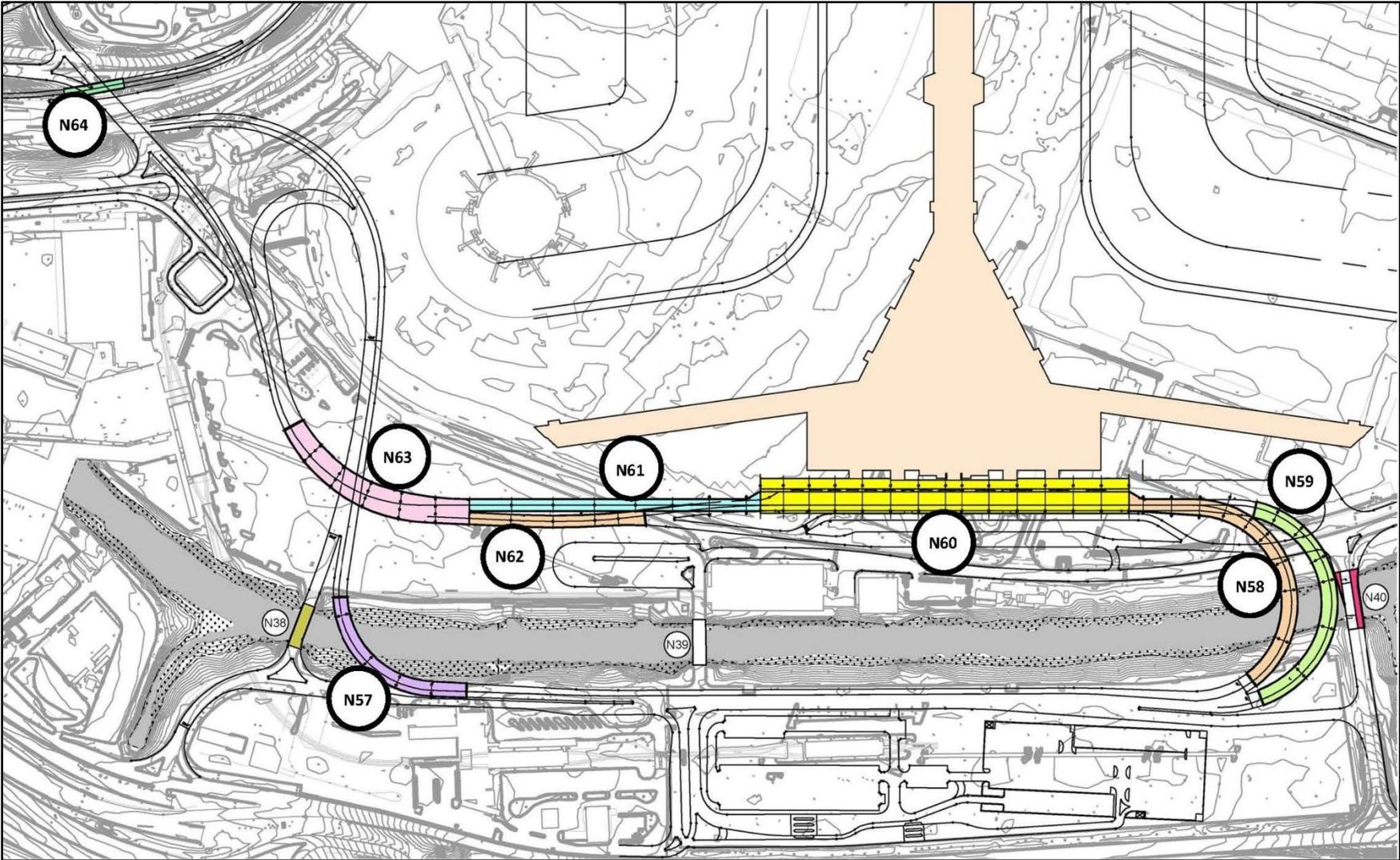


Figure 3 - Landside Roadway Bridges

The EWR Terminal A Redevelopment Program consists of nine proposed Design-Bid-Build (D-B-B) and Design-Build (D-B) construction contract packages, as shown below:

EWR Terminal A Redevelopment Program - Contract Package Schedule										
#	CONTRACT NAME	Program Element	Delivery Method	2016	2017	2018	2019	2020	2021	2022
1	Bridge N57 & Utilities East of Peripheral Ditch	Landside	D-B-B	Stage III - Final Design	Stage IV - Construction	Stage IV - Construction				
2	Bridges N58, N59 & Peripheral Ditch Slope Grading	Landside	D-B-B	Stage III - Final Design	Stage III - Final Design	Stage IV - Construction	Stage IV - Construction	Stage IV - Construction		
3	Abate and Demo Building 331	Airside	D-B-B		Stage III - Final Design	Stage IV - Construction				
4	Construct Terminal A	Terminal	D-B	Stage III - Final Design	Stage III - Final Design	Stage III - Final Design	Stage IV - Construction	Stage IV - Construction	Stage IV - Construction	Stage IV - Construction
5	Hotel Road Widening & Bridge N64	Landside	D-B-B	Stage III - Final Design	Stage III - Final Design	Stage III - Final Design	Stage IV - Construction	Stage IV - Construction		
6	Bridges N61, N62, N63 & At-Grade Roads	Landside	D-B-B	Stage III - Final Design	Stage III - Final Design	Stage III - Final Design	Stage IV - Construction	Stage IV - Construction	Stage IV - Construction	Stage IV - Construction
7	Garage, Parking Lots & Toll Plaza	Garage	D-B		Stage III - Final Design	Stage III - Final Design	Stage IV - Construction	Stage IV - Construction		
	Partial Terminal Opening							Stage IV - Construction		
8	Airside Utilities & Paving (South)	Airside	D-B-B	Stage III - Final Design	Stage III - Final Design	Stage III - Final Design	Stage IV - Construction	Stage IV - Construction		
9	Airside Utilities & Paving (North)	Airside	D-B-B	Stage III - Final Design	Stage III - Final Design			Stage III - Final Design	Stage IV - Construction	Stage IV - Construction
	Full Terminal Opening									Stage IV - Construction

Stage III - Final Design Stage IV - Construction