



METROPOLITAN WASHINGTON AIRPORTS AUTHORITY

INFORMATION PAPER TO THE STRATEGIC DEVELOPMENT COMMITTEE

BRIEFING ON RONALD REAGAN WASHINGTON NATIONAL AND WASHINGTON DULLES INTERNATIONAL AIRPORTS CAPITAL CONSTRUCTION PROGRAM

APRIL 2015



2015 Use & Lease Agreement Capital Construction Program (CCP)

1. DCA Capital Construction Program
 - a. Overview of CCP
 - b. Procurement Methods
 - c. Environmental Review Process
2. IAD Capital Construction Program
 - a. Overview of CCP



Ronald Reagan Washington National Airport Capital Construction Program (CCP)*

• Buildings	\$ 778.1
- Terminal B/C Redevelopment (\$671.8)	
- Other Building Improvements (\$106.3)	
• Utility Systems	\$ 36.5
• Airfield Projects	\$ 87.2
• Roads	\$ 12.0
• Parking	\$ 84.2
• Other	<u>\$ 20.9</u>
Total CCP	\$1,018.9

* Dollars in millions



Buildings

1. Terminal B/C Redevelopment
 - a. **New North Concourse and Enabling Projects**
 - b. **Secure National Hall**
2. Other Building Improvements





Buildings

1. Terminal B/C Redevelopment
 - a. **New North Concourse and Enabling Projects**

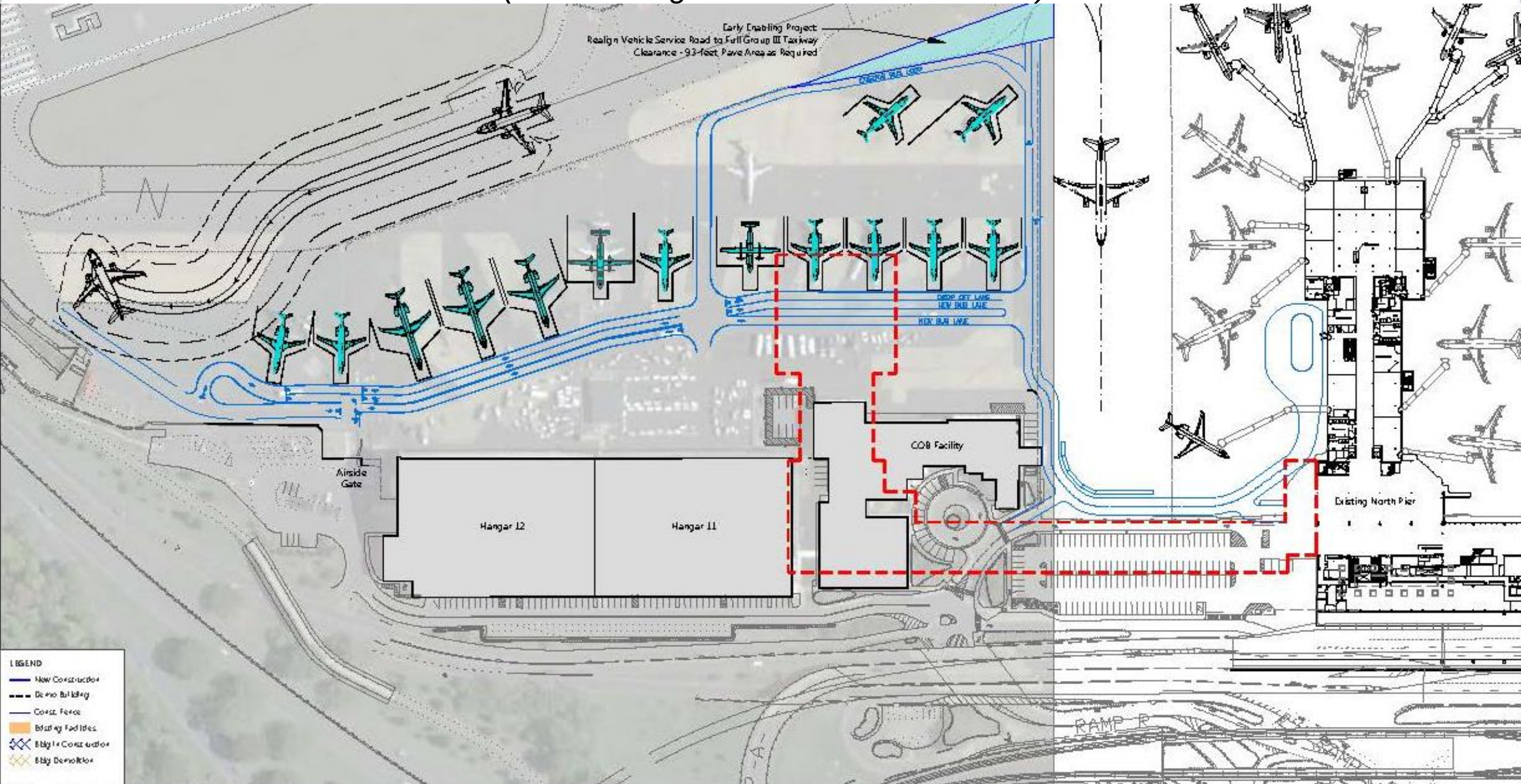




New North Concourse

Purpose

(14-contact gate commuter concourse)





New North Concourse Purpose

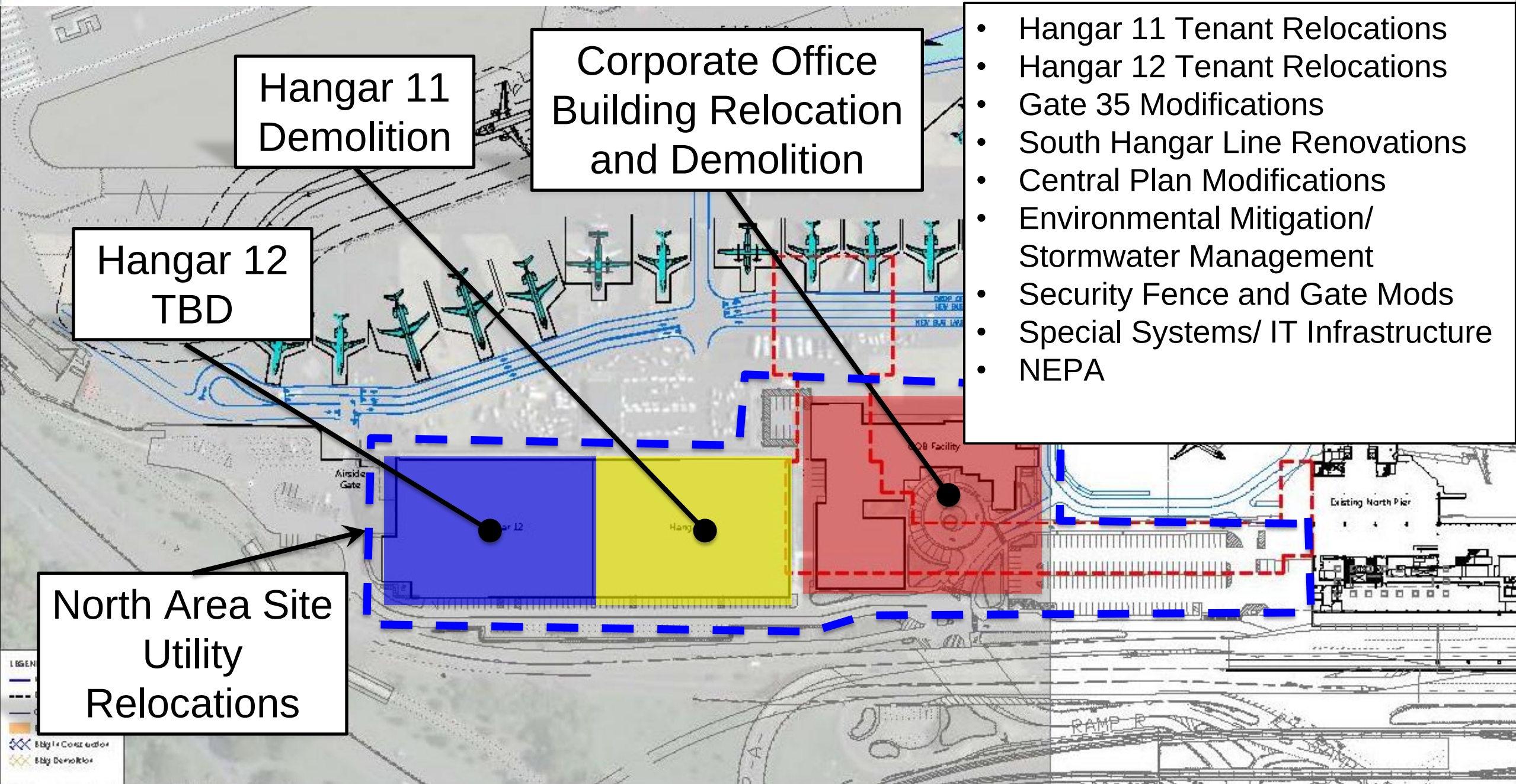
- Over 5,000 daily passengers are processed through Gate 35X to 14 hardstand external parking positions with operating and customer service challenges.





New North Concourse

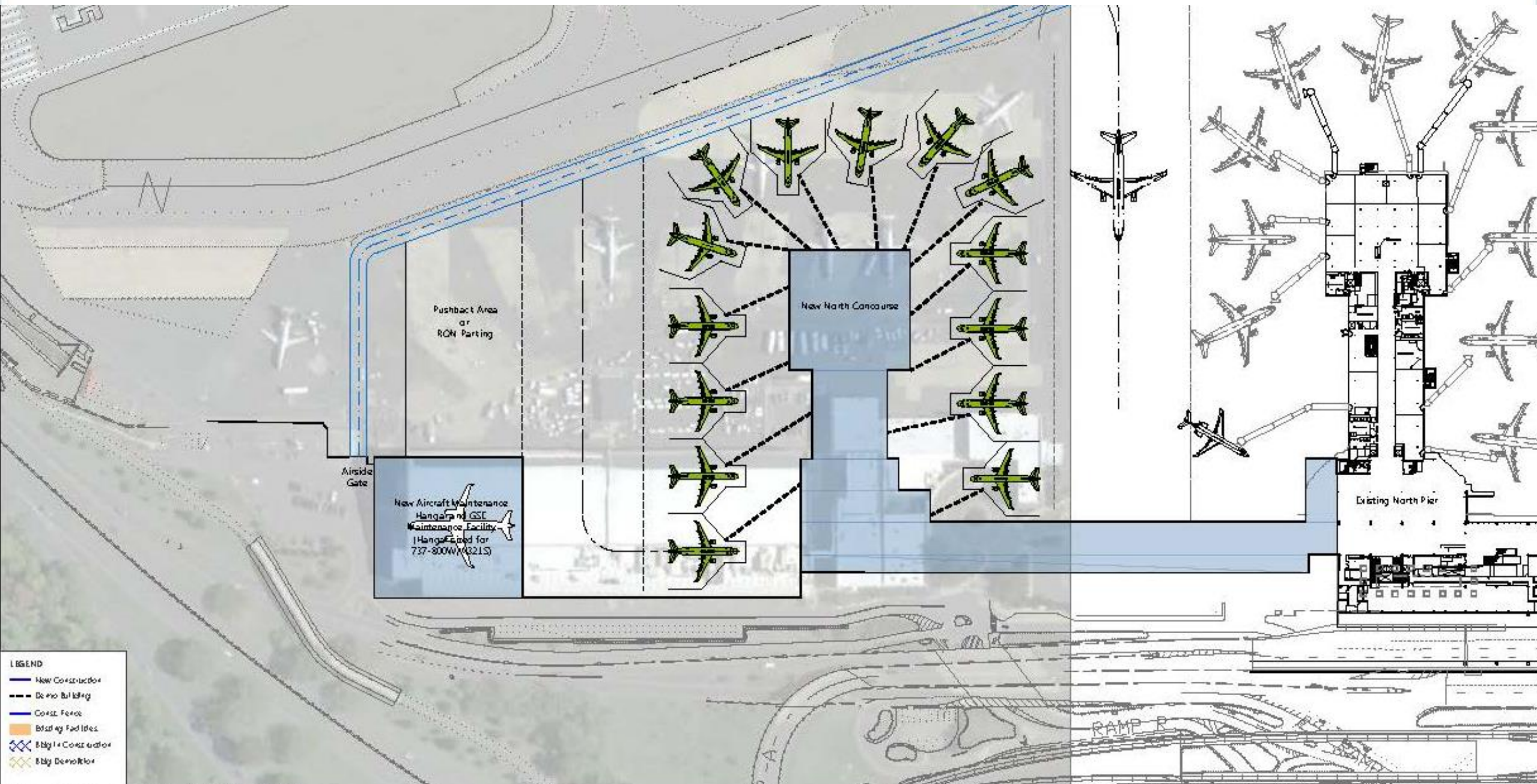
Enabling Projects



- Hangar 11 Tenant Relocations
- Hangar 12 Tenant Relocations
- Gate 35 Modifications
- South Hangar Line Renovations
- Central Plan Modifications
- Environmental Mitigation/ Stormwater Management
- Security Fence and Gate Mods
- Special Systems/ IT Infrastructure
- NEPA



New North Concourse





Buildings

1. Terminal B/C Redevelopment
 - a. New North Concourse and enabling projects
 - b. **Secure National Hall**





Secure National Hall Purpose

- Allows passenger movement between Terminal B/C piers with no re-screening.
- Allows post-security passengers to access concessions in the National Hall.
- Reduces congestion in the piers.
- Eliminates current busing operations on active aircraft apron.
- Transfer passengers between Terminals A and B/C will continue to require rescreening.

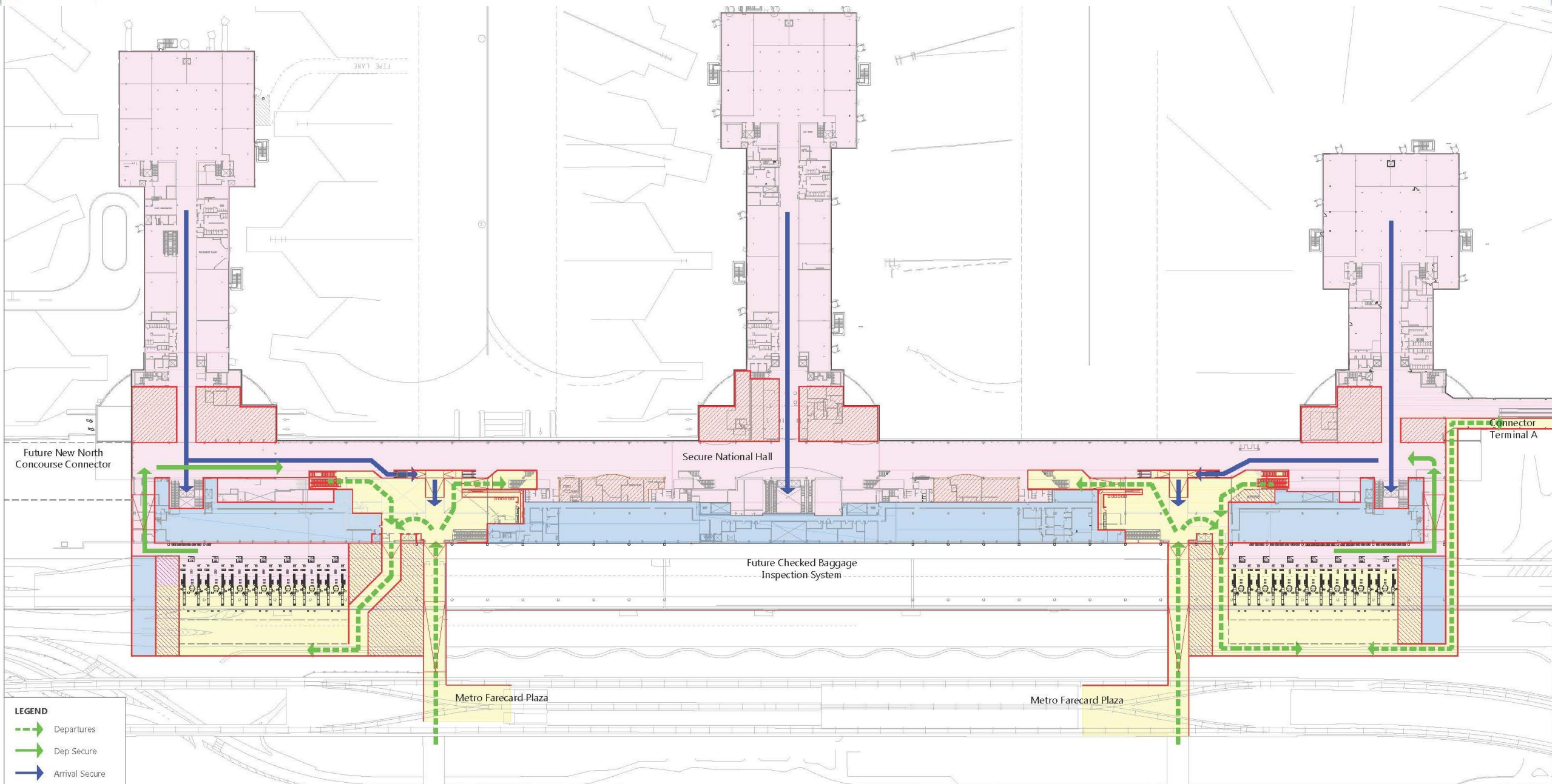




METROPOLITAN WASHINGTON AIRPORTS AUTHORITY

Secure National Hall

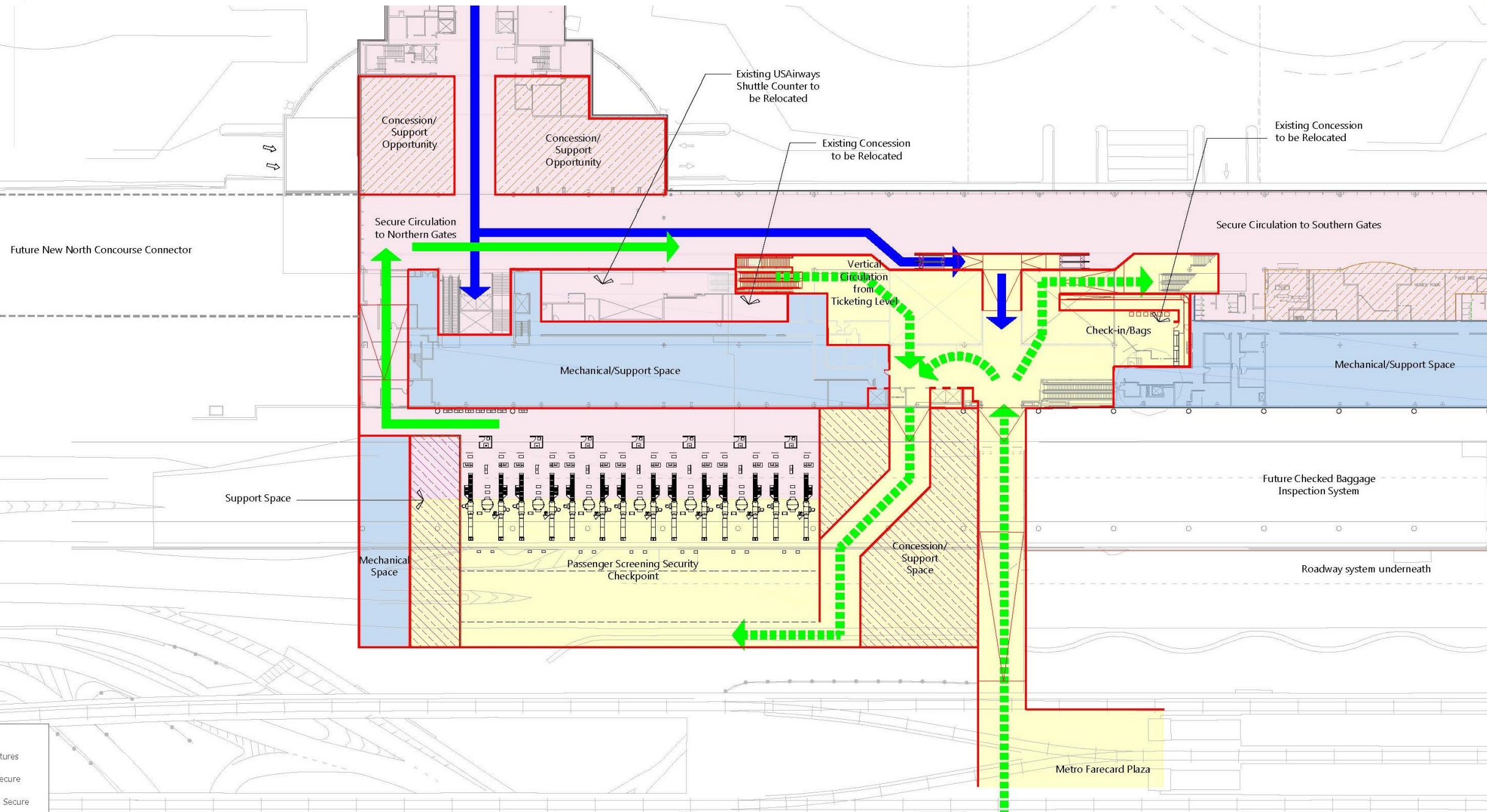
(Overview National Hall Level)





Secure National Hall

North Metro Bridge/National Hall Level

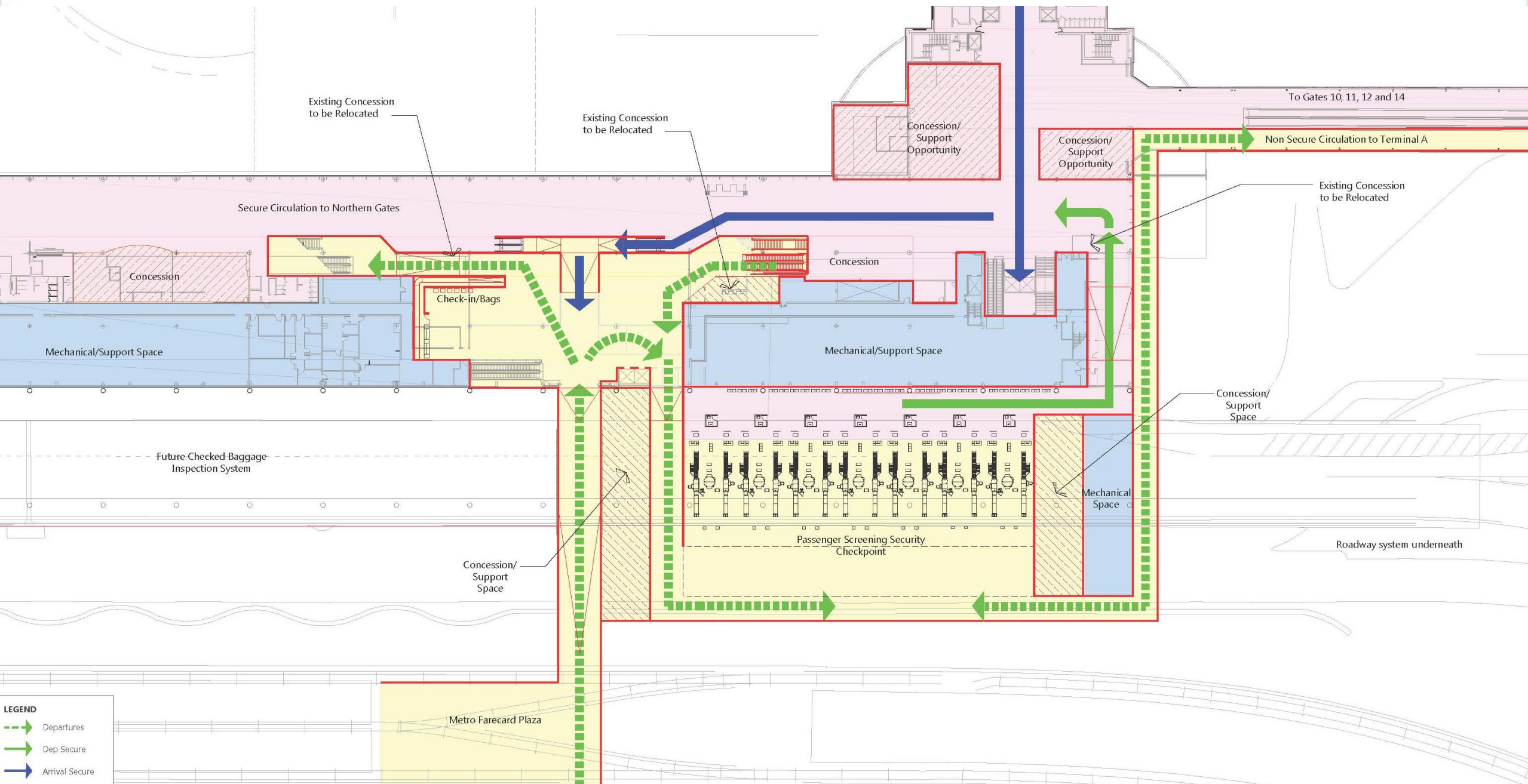




METROPOLITAN WASHINGTON AIRPORTS AUTHORITY

Secure National Hall

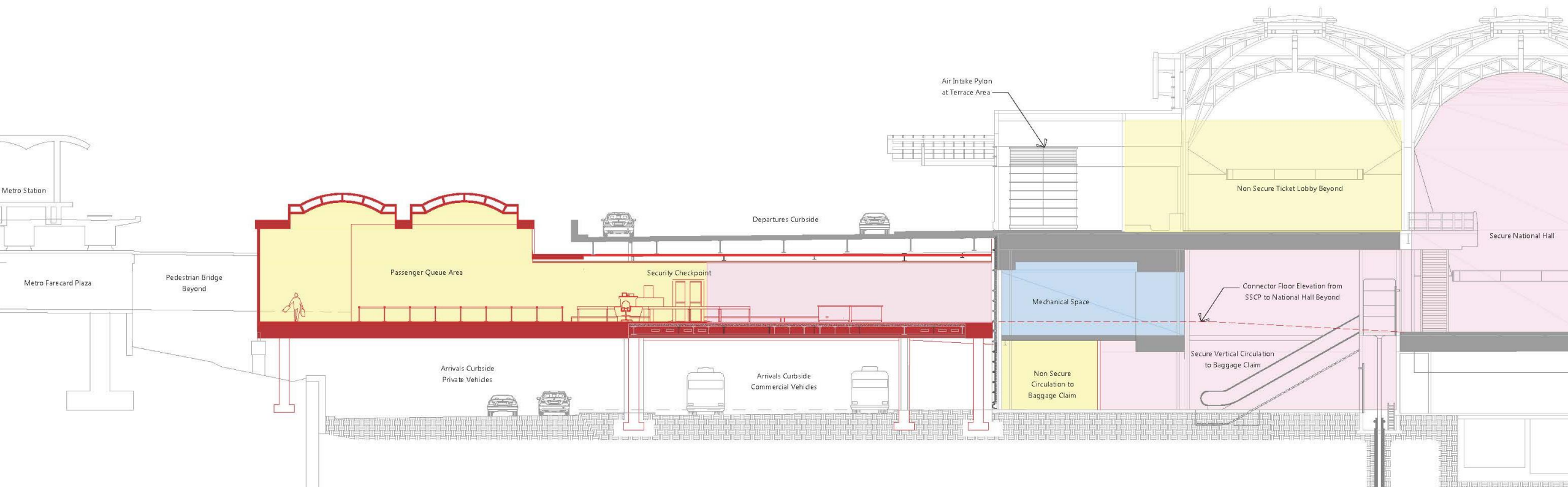
South Metro Bridge/National Hall Level





METROPOLITAN WASHINGTON AIRPORTS AUTHORITY

Secure National Hall Cross Section





METROPOLITAN WASHINGTON AIRPORTS AUTHORITY

Secure National Hall

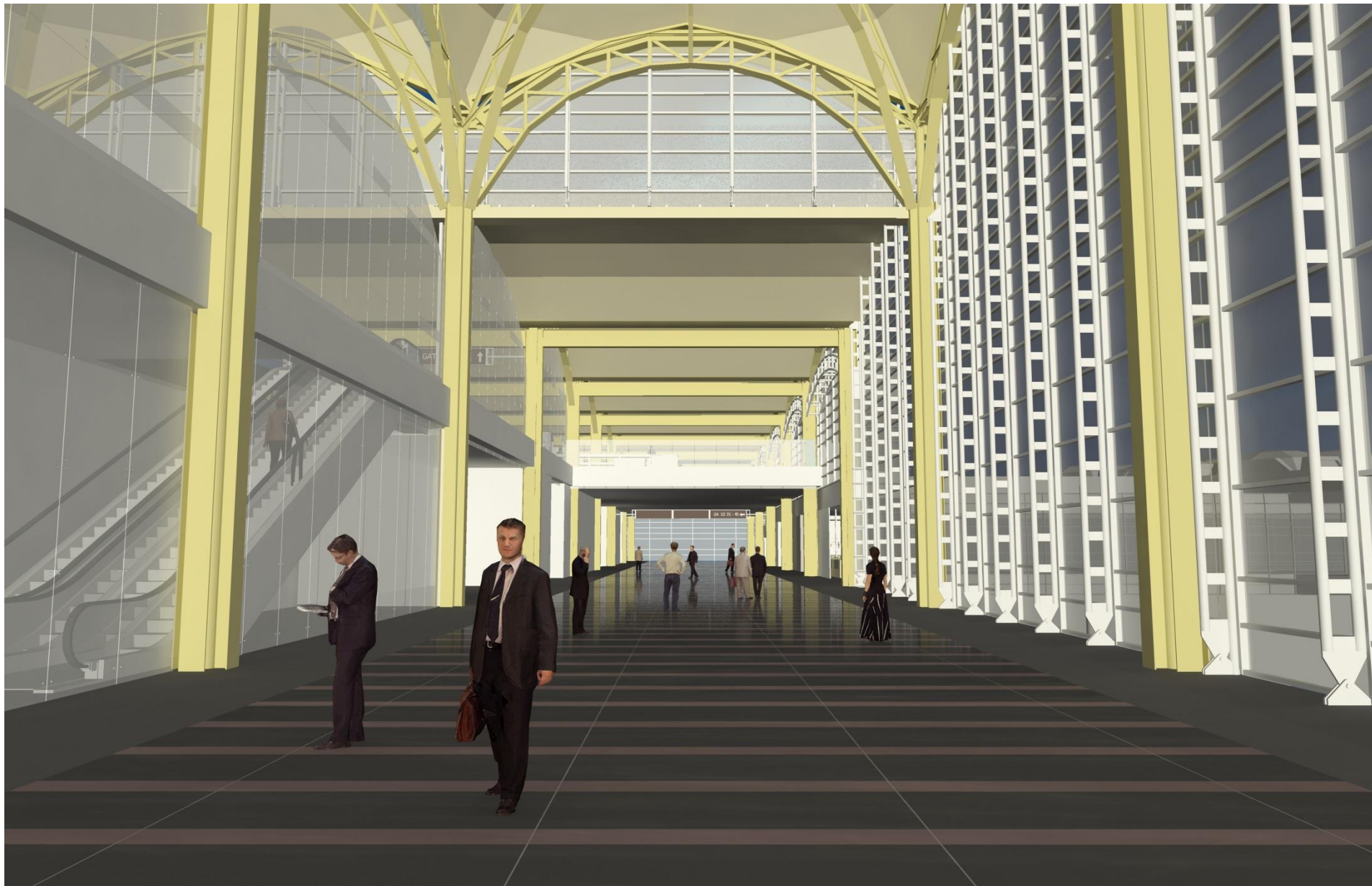




METROPOLITAN WASHINGTON AIRPORTS AUTHORITY

Secure National Hall

National Hall Level





NEPA Schedule

Terminal B/C Redevelopment Environmental Assessment Schedule

Deliverable	Date
Contract Award/Notice to Proceed	February 13, 2015
Agency Scoping Meeting	April 28, 2015
Public Scoping Workshop (Tentative)	June 2, 2015
Draft EA to MWAA	August 14, 2015
Draft EA transmitted to FAA	September 25, 2015
FAA Approval of Draft EA	October 27, 2015
Draft EA Distributed\Public Comment Period	November 17, 2015
Public Information Workshop	December 22, 2015
End of Public Comment Period	January 6, 2016
Final EA transmitted to FAA	May 18, 2016
FAA provides FONSI	June 17, 2016



Buildings

2. Other Building Improvements

- a. **B/C Baggage Handling System**
- b. **Terminal A Improvements (Planning/Programming Only)**





Other Building Improvements*

• Terminal A Planning/Programming	\$ 1.0
• Terminal A Enabling Project 100% Design	\$ 3.6
• Terminal A Restroom Addition	\$ 3.5
• Terminal A General Rehabilitation	\$ 52.3
• Terminal A Hardening and Safety	\$ 4.0
• Terminal C Bag Room Renovations	\$ 36.9
• Live Fire Training Facility (cost allocation only)	<u>\$ 5.0</u>
Total	\$106.3

* Dollars in millions



Utilities*

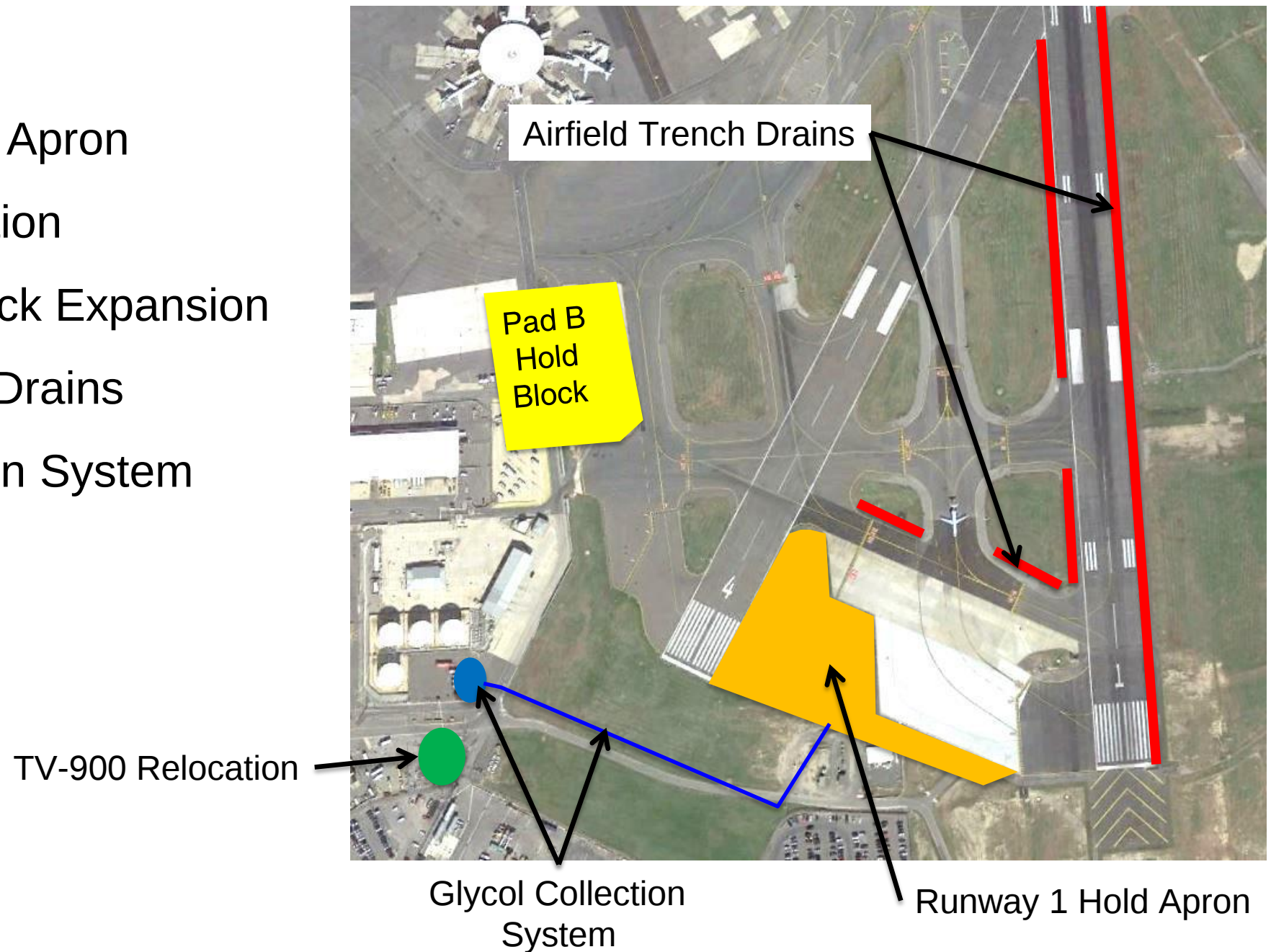
• Electrical System Upgrades	\$ 7.2
• Campus Utility Distribution Improvements	\$ 18.0
• Sanitary Sewer Main Reconstruction	\$ 1.0
• Pump Station & Force Main Reconstruction	<u>\$ 10.3</u>
Total	\$ 36.5

* Dollars in millions



Airfield Projects

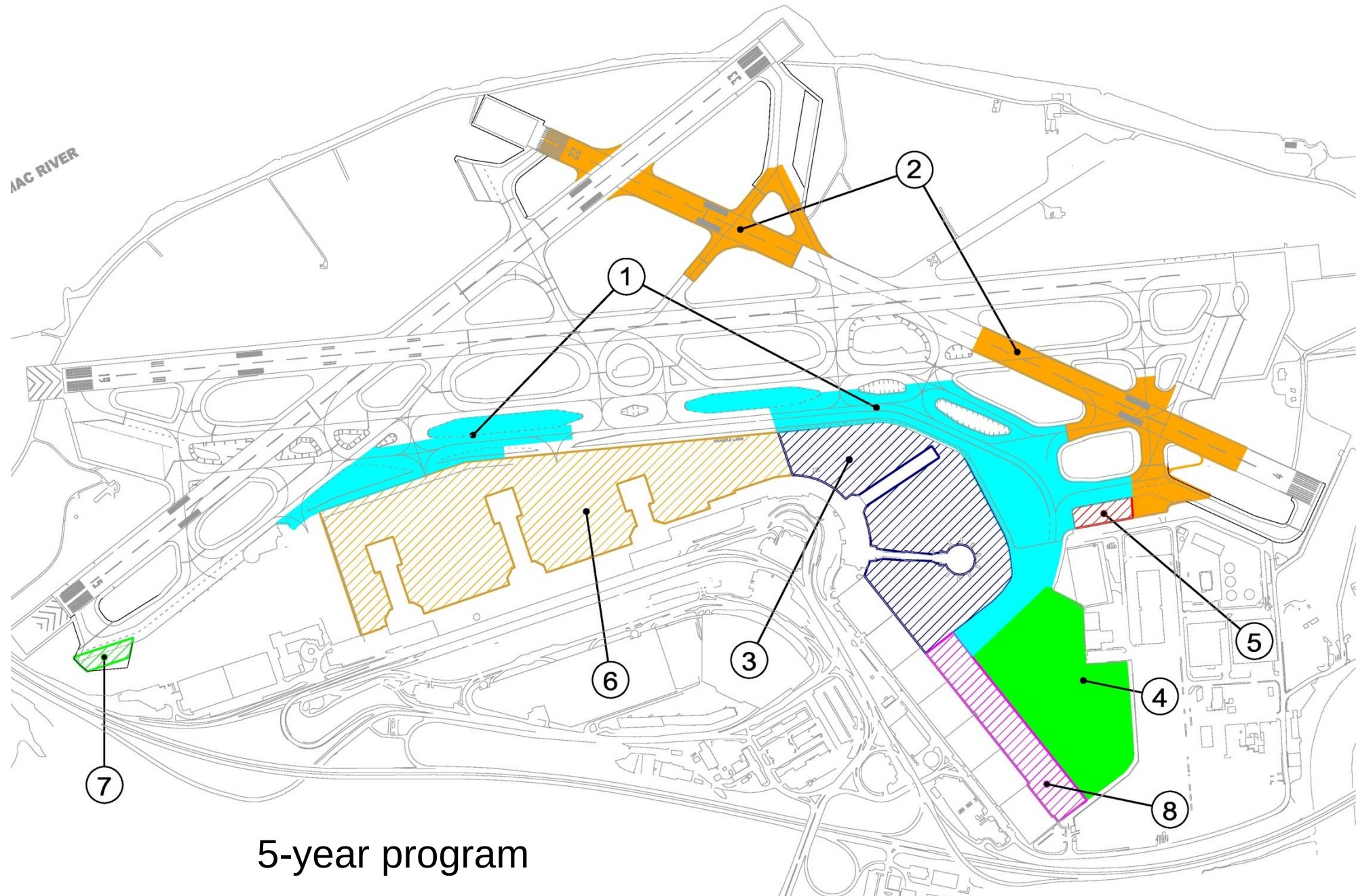
- Runway 1 Hold Apron
- TV-900 Relocation
- Pad B Hold Block Expansion
- Airfield Trench Drains
- Glycol Collection System





Airfield Projects

\$27.2 M Pavement Geometry & Rehabilitation Program





Airfield Projects*

• South Area Airfield Improvements	\$ 60.0
- Hold Apron 1 Expansion	
- TV-900 Relocation	
- Emergency Generators	
- Pad B Hold Block Expansion	
- Airfield Trench Drains	
- Glycol Collection Systems	
• FAA Airfield Geometry & Pavement	
• Rehabilitation Program	<u>\$ 27.2</u>
Total	\$ 87.2

* Dollars in millions



Roads / Parking*

- Interim Roadway Improvements \$ 12.0
 - Structured Parking Garage \$ 84.2
- Total \$ 96.2



* Dollars in millions



Other*

• Other Planning and Programming	\$ 10.0
• Security Infrastructure Enhancements	\$ 5.2
• Severe Storm Resiliency Improvements	\$ 5.0
• Aerial Imagery and Contours	<u>\$ 0.7</u>
Total	\$ 20.9

* Dollars in millions



Project Delivery Method

- | | |
|-------------------------------|----------|
| • Buildings | |
| - Terminal B/C Redevelopment | CMR |
| - Other Building Improvements | Various |
| • Utility Systems | D-B-B |
| • Airfield Projects | D-B-B |
| • Roads | D-B-B |
| • Parking | TBD |
| • Other | Services |

CMR:	Construction Manager at Risk
D-B-B:	Design-Bid-Build
TBD:	To Be Determined



Washington Dulles International Airport 3-Year Capital Construction Program (CCP)*

• Buildings	\$ 38.92
• Airfield Projects	\$ 34.76
• Roads	\$ 15.0
• Utility Systems	\$ 11.13
• Other	<u>\$ 26.21</u>
Total CCP	\$126.02

* Dollars in millions



Buildings*

1. Concourse A/B Improvements	\$ 1.2
2. Concourse C/D Rehabilitation	\$ 22.5
3. JP Morgan Chase Office Rehabilitation	\$ 4.4
4. Dulles East Building Rehabilitation	\$ 4.0
5. Shops & Warehouse Bld Renovations	\$ 1.6
6. Main Terminal Entrance Doors	\$ 0.2
7. Live Fire Training Facility (Dulles cost allocation)	<u>\$ 5.0</u>
Total	\$ 38.9

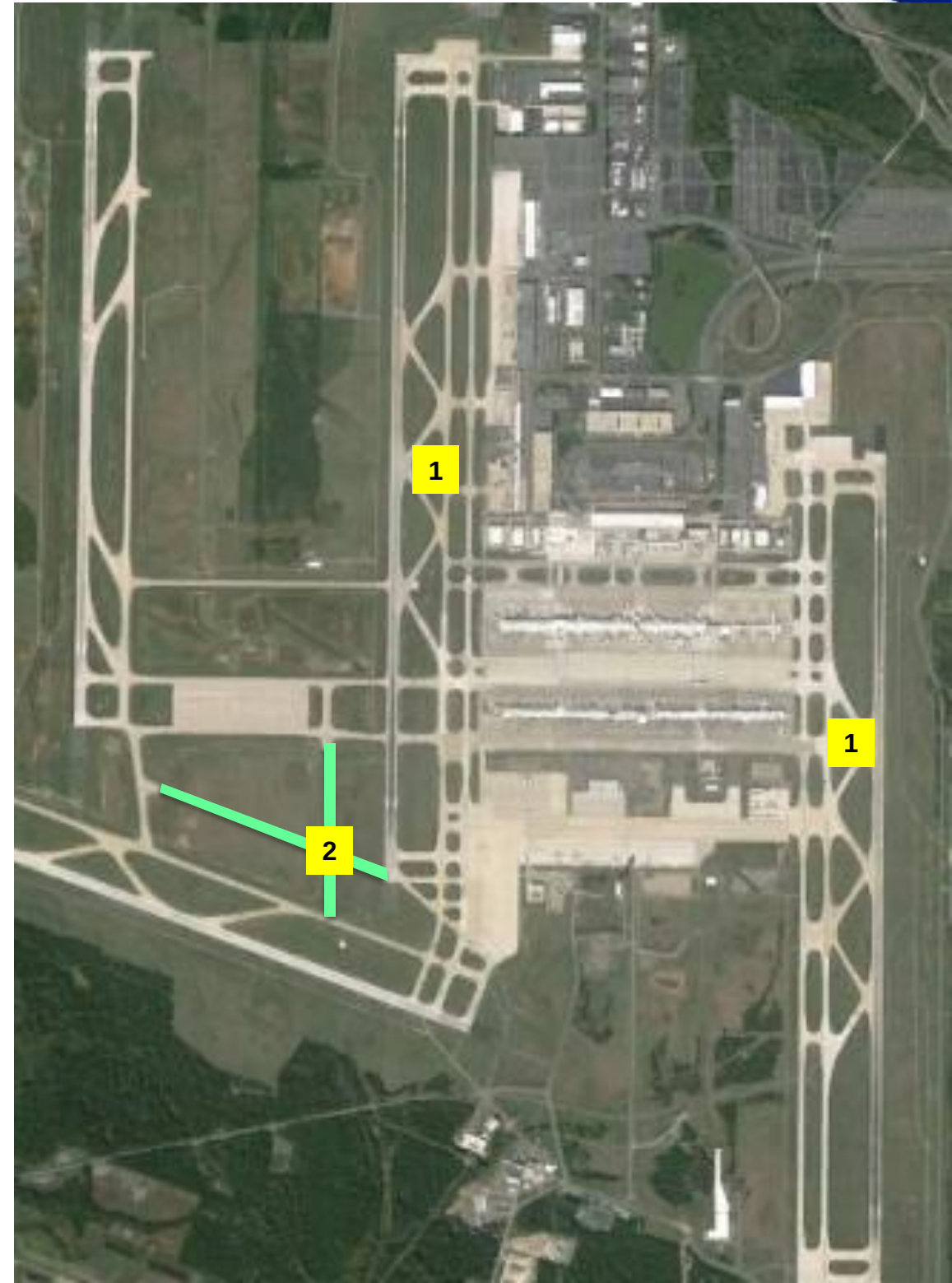
* Dollars in millions





Airfield Projects*

1. Airfield Pavement Panel Replacement	\$ 31.2
2. Taxiway S and W-5 (Design Only)	<u>\$ 3.5</u>
Total	\$ 34.7



* Dollars in millions



Roads*

• Access Highway Road Improvements	<u>\$ 15.0</u>
Total	\$ 15.0

* Dollars in millions



Utilities*

• Cub Run Pump Station Improvements	\$ 1.5
• Utility Building Main Feeder Replacement	\$ 0.2
• Storage Tank Conversion	\$ 1.2
• Airfield Stormwater Sewer Reconstruction	\$ 0.3
• Tele-com Duct Bank Replacement	\$ 3.6
• Sanitary Sewer System Improvements	\$ 3.7
• Stormwater Management Facilities	<u>\$ 0.6</u>
Total	\$ 11.1

* Dollars in millions



Ronald Reagan Washington National Airport



Dulles Corridor Metrorail Project



Dulles Toll Road



Washington Dulles International Airport



METROPOLITAN WASHINGTON
AIRPORTS AUTHORITY