

Van Nuys Airport Taxiways D, E, F, and Q Reconstruction Project

December 3, 2024

1 Project Overview

2 Overall Access and Haul Routes

Construction Schedule and Primary Impacts

Construction Phasing and Detailed Impacts

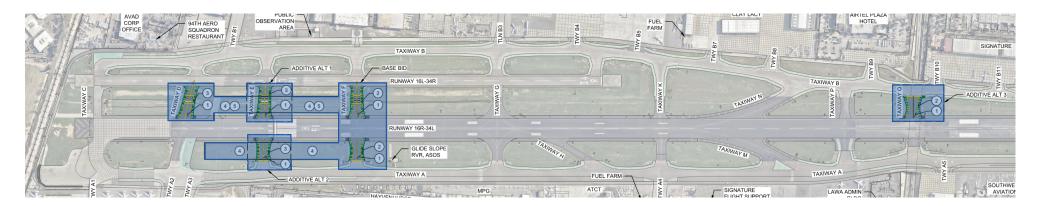
Agenda

Project Overview

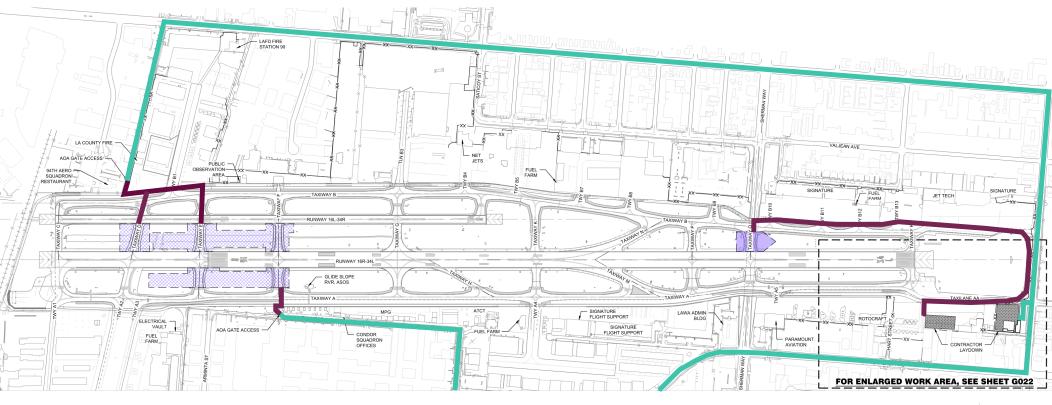
Reconstruct segments of six connector taxiways: Twy D, Twy E, Twy F, and Twy Q

- Asphalt pavement reconstruction
- → Grading
- Drainage improvements

- Airfield electrical improvements
- → Airfield lighting & signage
- → Pavement markings



Overall Access and Haul Routes



AIRSIDE CONTRACTOR HAUL ROUTE

LANDSIDE CONTRACTOR HAUL ROUTE



Construction Schedule and Primary Impacts

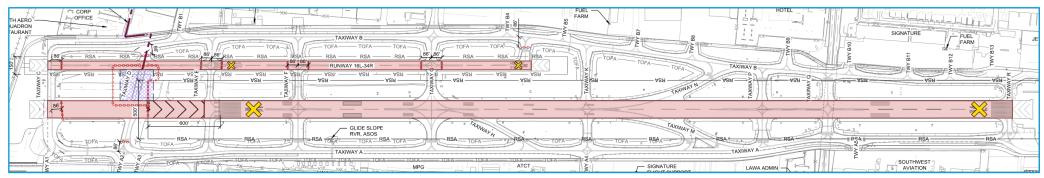
Tasks / Operational Impacts	Date(s)	Duration	
Mobilization NTP	November 4, 2024	~3 months	
Construction			
Runway 16L-34R closed	~February 2025 thru April 2025	~3 months	
 Runway 16R-34L Shortened at TXY E ILS offline Reduced declared distances 	~February 2025 thru March 2025	~2 months	
 Runway 16R-34L Shortened at TXY F ILS offline PAPI replaced by temporary PLASI Reduced declared distances 16R threshold displaced 	~April 2025 thru mid-June 2025	~2.5 months	
Runway 16R-34L nightly closure with daily reopening	~mid-June 2025 thru mid-July 2025	~1 month	

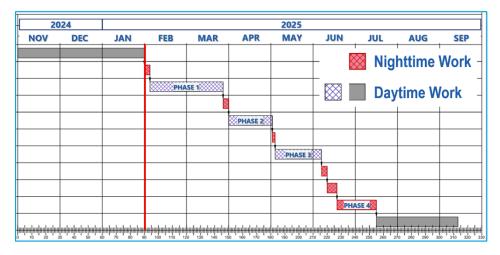
Phasing (Total Duration = 313 Calendar Days / 165 days = Field Construction)



PHASING LOGIC DIAGRAM													
TASK NAME	DURATION (CALENDAR)	PREDECESSOR WORK	20	24					2025				
NY TAXIWAYS RECONSTRUCTION TAXIWAYS D, E, F, Q)	313 DAYS (REFER TO PR-2 FOR SUBTRACTION OF DAYS RELATED TO AWARD OF ADD ALTS)		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PHASE 0	90 DAYS	CONTRACT NOTICE TO PROCEED								6	Nig	httima	\ Wark
PHASE 1A	4 NIGHTS	MOBILIZATION									M INIG	httime	VVOIK
PHASE 1	52 DAYS	PHASE 1A				PH	ASE 1			Daytime Wor		<i>l</i> ork	
PHASE 2A	4 NIGHTS	PHASE 1								_ 📖 🛮	Day	i	ı
PHASE 2	31 DAYS*	PHASE 2A						PHASE 2					
PHASE 3A	2 NIGHTS	PHASE 2											
PHASE 3	33 DAYS*	PHASE 3A							PHASE 3				
PHASE 3B	4 NIGHTS	PHASE 3											
PHASE 4A	7 NIGHTS*	PHASE 3B (SEE NOTE 5)											
PHASE 4	28 NIGHTS*	PHASE 4A (SEE NOTE 5)								PH.	ASE 4		
PHASE X	58 DAYS	PHASE 4 (SEE NOTE 5)											

Phase 1A – Phase 1 Pre-Work – Shorten Runway 16R-34L 4 Calendar Nights in Early-February





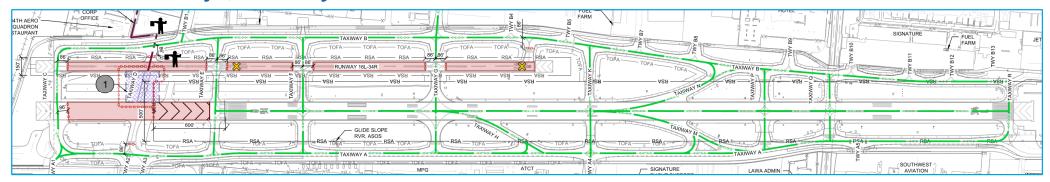
Construction Phase Notes

Construction

- 1. Work Hours: Nighttime 2230 to 0600
- 2. Work Days: Sunday to Thursday
- 3. Duration: 4 consecutive calendar nights
- 4. Other Criteria:
 - a. Runways shall fully reopen by 0600 at the end of each of the first three nights
 - b. 16R-34L shortening and 16L-34R extended closure shall take effect over the final night of the phase

- 1. Runway 16L-34R and 16R-34L Closed
- 2. Various Taxiways on North End Closed

Phase 1 – Taxiway D Reconstruction (Including Pavement Test Sections) 52 Calendar Days, February thru March



Runway 16R-34L Declared Distances							
	RW	Y 16R	RWY 34L				
	Existing	Proposed	Existing	Proposed			
TODA			8,001′	6,327′			
TORA	8,001′	6,701′	0,001	0,321			
ASDA			7 261'	6 160'			
LDA	6,570′	6,568′	7,261′	6,168′			

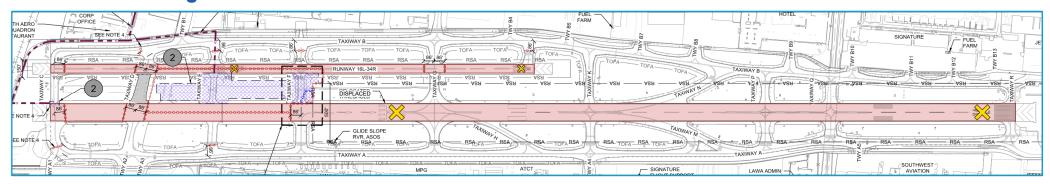
Construction Phase Notes

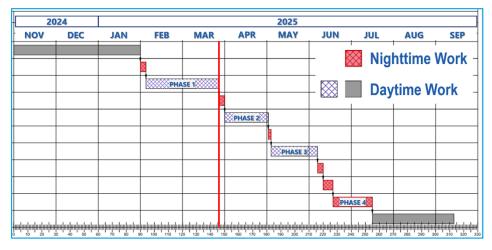
Construction

- 1. Work Hours: Daytime, Minimum 10-hr shifts.
- 2. Work Days: Monday thru Saturday
- 3. Duration: 52 calendar days.
- 4. Other Criteria: Test section completed within 25 calendar days

- 1. Runway 16L-34R Closed
- 2. Runway 16R-34L Shortened, 16R ILS Not Available
- 3. Taxiway D Closed

Phase 2A – Phase 2 Pre-Work – Runway 16R Threshold Displacement 4 Calendar Nights in Late-March





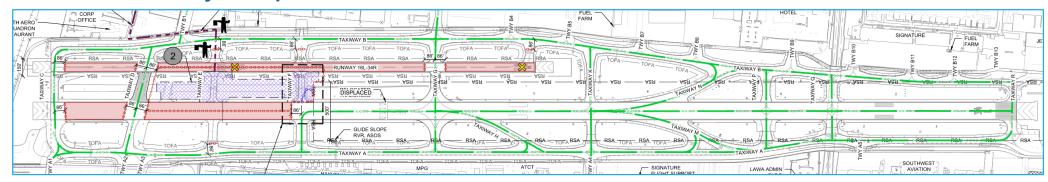
Construction Phase Notes

Construction

- 1. Work Hours: Nighttime 2230 to 0600.
- 2. Work Days: Sunday to Thursday.
- 3. Duration: 4 consecutive calendar nights.
- 4. Other Criteria:
 - a. Runway 16R-34L shall reopen by 0600 at the end of each of the first three nights.
 - b. Runway 16R threshold displacement shall take effect over the final night of the phase.

- 1. Runway 16L-34R and 16R-34L Closed
- 2. Various Taxiways on north end Closed

Phase 2 – Taxiway E (east) and F (east) Reconstruction 31 Calendar Days in April



Runway 16R-34L Declared Distances								
	RW	Y 16R	RWY 34L					
	Existing	Proposed	Existing	Proposed				
TODA			8,001′	5,000′				
TORA	8,001′	5,824′						
ASDA			7 261/	4,824′				
LDA	6,570′	5,224′	7,261′					

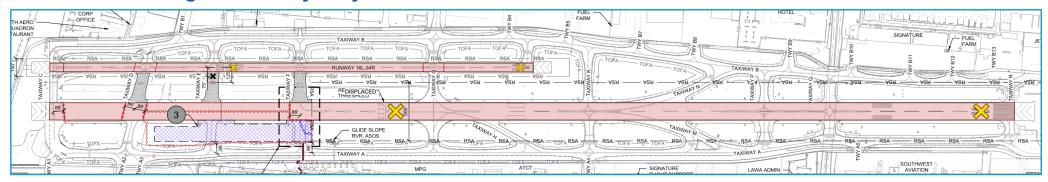
Construction Phase Notes

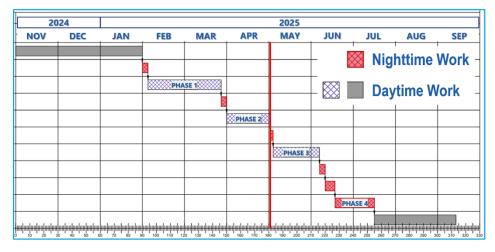
Construction

- 1. Work Hours: Daytime, Minimum 10-hr shifts.
- 2. Work Days: Monday thru Saturday.
- 3. Duration: 31 Calendar Days

- 1. Runway 16L-34R Closed
- 2. Runway 16R-34L Threshold Displaced, Shortened
 - a. 16R ILS Not Available
 - b. 16R PAPI Not Available, Temporary PLASI Available
 - c. RWY 34L Visual Departure Only

Phase 3A – Phase 3 Pre-Work 2 Calendar Nights in Early-May





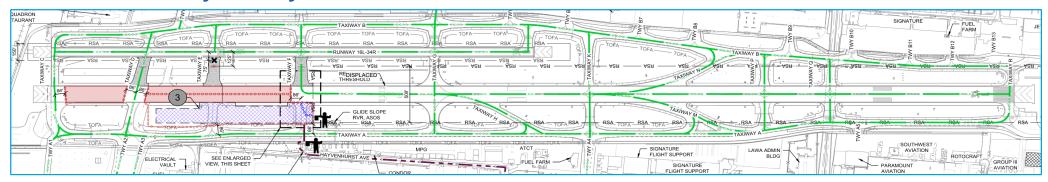
Construction Phase Notes

Construction

- 1. Work Hours: Nighttime 2230 to 0600.
- 2. Work Days: Sunday to Tuesday.
- 3. Duration: 2 consecutive calendar nights.
- 4. Other Criteria:
 - a. Runway 16R-34L shall reopen by 0600 at the end of the first night.
 - b. Runway 16L-34R opening and taxiway closures / openings shall take effect over the final night of the phase.

- 1. Runway 16L-34R and 16R-34L Closed
- 2. Various Taxiways on north end Closed

Phase 3 – Taxiway E (west) and F (west) Reconstruction 33 Calendar Days in May/June



Runway 16R-34L Declared Distances								
	RW	Y 16R	RWY 34L					
	Existing	Proposed	Existing	Proposed				
TODA			8,001′	5,000′				
TORA	8,001′	5,824′						
ASDA			7 261/	4.024/				
LDA	6,570′	5,224′	7,261′	4,824′				

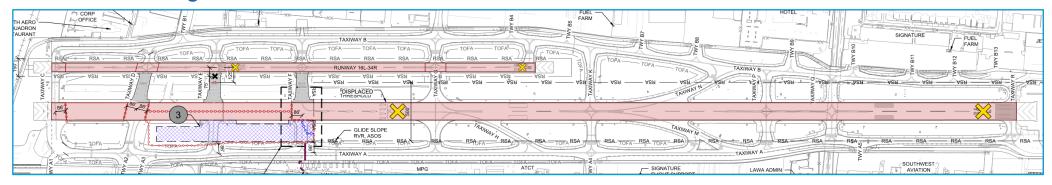
Construction Phase Notes

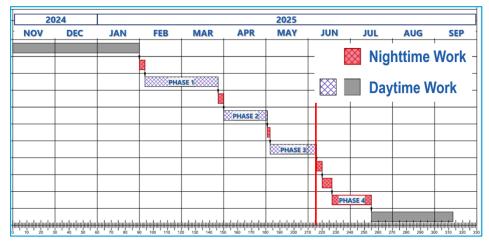
Construction

- 1. Work Hours: Daytime, Minimum 10-hr shifts.
- 2. Work Days: Monday thru Saturday.
- 3. Duration: 33 Calendar Days

- 1. Runway 16R-34L Threshold Displaced, Partially Closed
 - a. 16R ILS Not Available
 - b. 16R PAPI Not Available, Temporary PLASI Available
 - c. RWY 34L Visual Departure Only

Phase 3B – Runway 16R Threshold Restoration 4 Calendar Nights in June





Construction Phase Notes

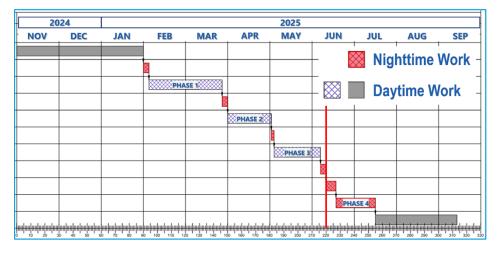
Construction

- 1. Work Hours: Nighttime 2230 to 0600
- 2. Work Days: Sunday to Thursday
- 3. Duration: 4 consecutive calendar nights
- 4. Other Criteria:
 - a. Runway 16R-34L shall reopen by 0600 at the end of each of the first three nights
 - b. Runway 16R threshold restoration shall take effect over the final night during the allocated duration

- 1. Runway 16L-34R and 16R-34L Closed
- 2. Various Taxiways on north end Closed

Phase 4A – Phase 4 Pre-Work – Taxiway Q (east) Investigation 7 Calendar Nights in June





Construction Phase Notes

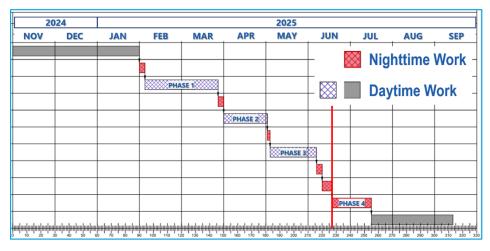
Construction

- 1. Work Hours: Nighttime 2230 to 0600
- 2. Work Days: Sunday to Sunday
- 3. Duration: 7 calendar nights
- 4. Other Criteria:
 - a. Runway 16R-34L shall reopen by 0600 at the end of each night

- 1. Runway 16L-34R and 16R-34L Closed
- 2. Various Taxiways on south end Closed

Phase 4 (night configuration) – Taxiway Q (east) Reconstruction 28 Calendar Nights in June/July





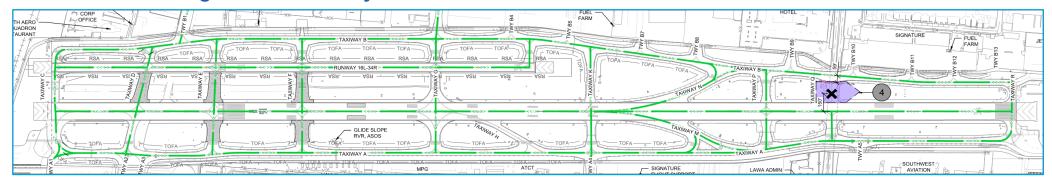
Construction Phase Notes

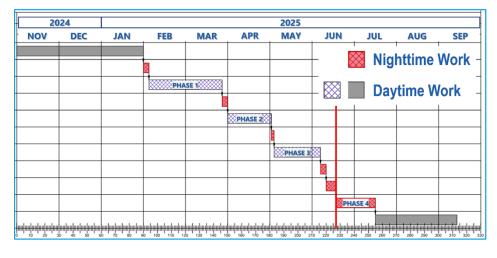
Construction

- 1. Work Hours: Nighttime, 2230 to 0600
- 2. Work Days: Sunday to Friday
- 3. Duration: 28 calendar nights
- 4. Other Criteria:
 - a. Runway 16R-34L shall reopen by 0600 at the end of each night

- 1. Runway 16L-34R and 16R-34L Closed
- 2. Taxiway Q (east) Closed
- 3. Taxiway B between B9 and B10 Closed

Phase 4 (day configuration) – Taxiway Q (east) Reconstruction 28 Calendar Nights in June/July





Construction Phase Notes

Construction

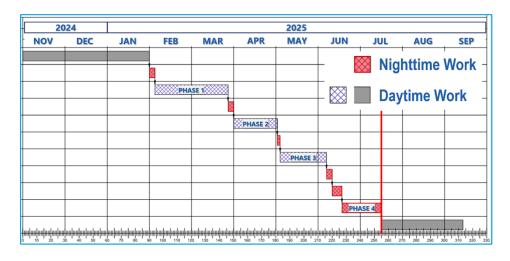
- 1. Work Hours: Nighttime, 2230 to 0600
- 2. Work Days: Sunday to Sunday
- 3. Duration: 28 calendar nights
- 4. Other Criteria:
 - a. Runway 16R-34L shall reopen by 0600 at the end of each night

Airfield Operations

1. Taxiway Q (east) – Closed

Phase X – Demobilization 58 Calendar Days in July/August/September

- → Final pavement marking on TWY Q
- **→ Reference PR-2**
- Submission and approval of all record documents
- > Resolution of all Notice of Non-Compliance and Job Memos
- Completion of Punchlist work
- Close out all permits
- → Demobilization and restoration of Staging area to pre-project condition
- → Complete all remaining work pursuant to the Contract Documents



Construction Phase Notes

Construction

- 1. Work Hours: Daytime Minimum 8-hr shift
- 2. Work Days Monday thru Friday
- 3. Duration: 58 calendar days

Airfield Operations

1. Taxiway Q (east) – Some Night Closures