

Q3-2020 Airport Construction Impact Report



U.S. Core 30+ Airports 3-Year Construction Outlook

System Operations Services - Performance Analysis
FAA National Headquarters, Washington, DC 20591

July 01, 2020
Compiled by: AJR-G5
POC: 9-AJR-Construction-Report@faa.gov

Disclaimer: Not for operational use. This report contains active and planned airport construction projects, which may impact airport capacity and delays. Due to the nature of airport construction, this information is constantly changing and may be postponed or canceled at any time. This report will be updated quarterly.






**Federal Aviation
Administration**

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Construction Impact Key

	No Capacity Effect – Departures taxi delays and/or Arrivals airborne holding delays are 15 minutes or less
	Reduced Capacity and Delay Impact – Departures taxi delays and/or Arrivals airborne holding delays of 16 to 45 minutes
	Reduced Capacity and Greater Delay Impact – Departures taxi delays and/or Arrivals airborne holding delays greater than 45 minutes

IATA Airport-Level Designations

Level 1 – Airport infrastructure capacity is generally adequate to meet the demands of airport users at all times

Level 2 – Airports where potential for congestion exists during some periods that can be resolved by schedule adjustments mutually agreed between the airlines and facilitator

Level 3 – Airports with full slot controls where demand for airport infrastructure significantly exceeds the capacity during certain periods and expansion of infrastructure to meet demand is not possible in the short term

Q3 2020 Airport Construction Outlook

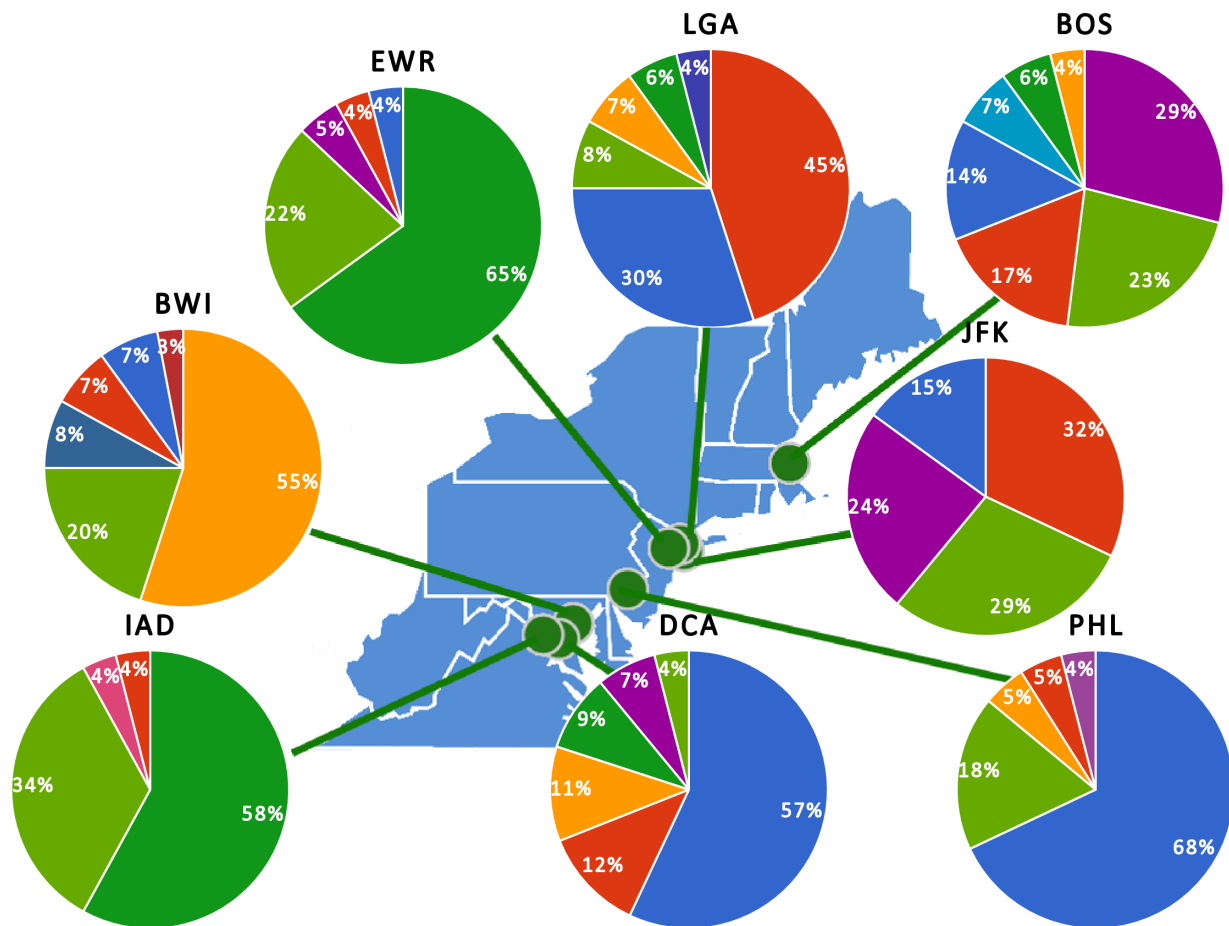
The below figure provides a broad overview of all construction with the potential to impact the NAS at the Core 30 Airports. Expanded details for each of the specific airports can be found on the following pages.

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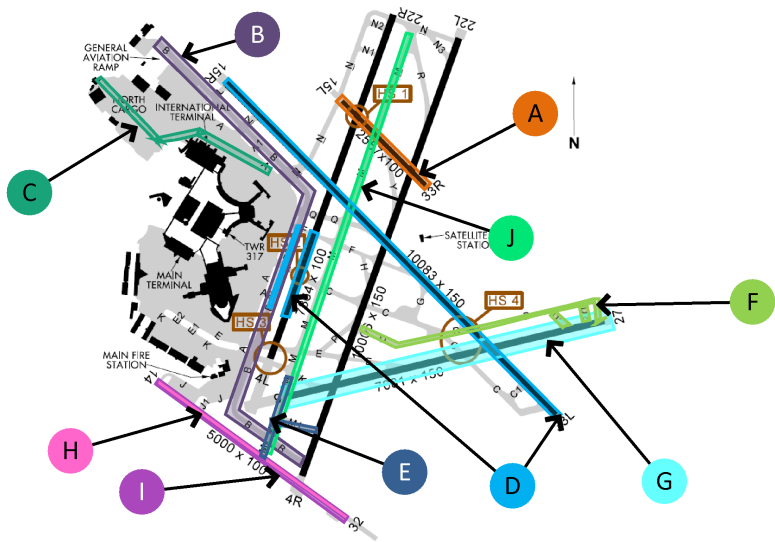
Key:

- Air Canada-ACA
- American-AAL
- Delta-DAL
- Hyannis Air Service, Inc.
- JetBlue-JBU
- Netjets Aviation
- Other *less than 4%
- Southern Airways Express
- Southwest-SWA
- Spirit-NKS
- United Parcel Service-UPS
- United-UAL



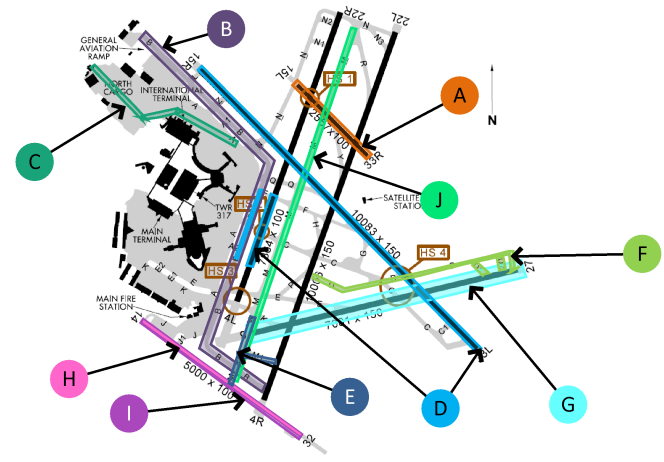
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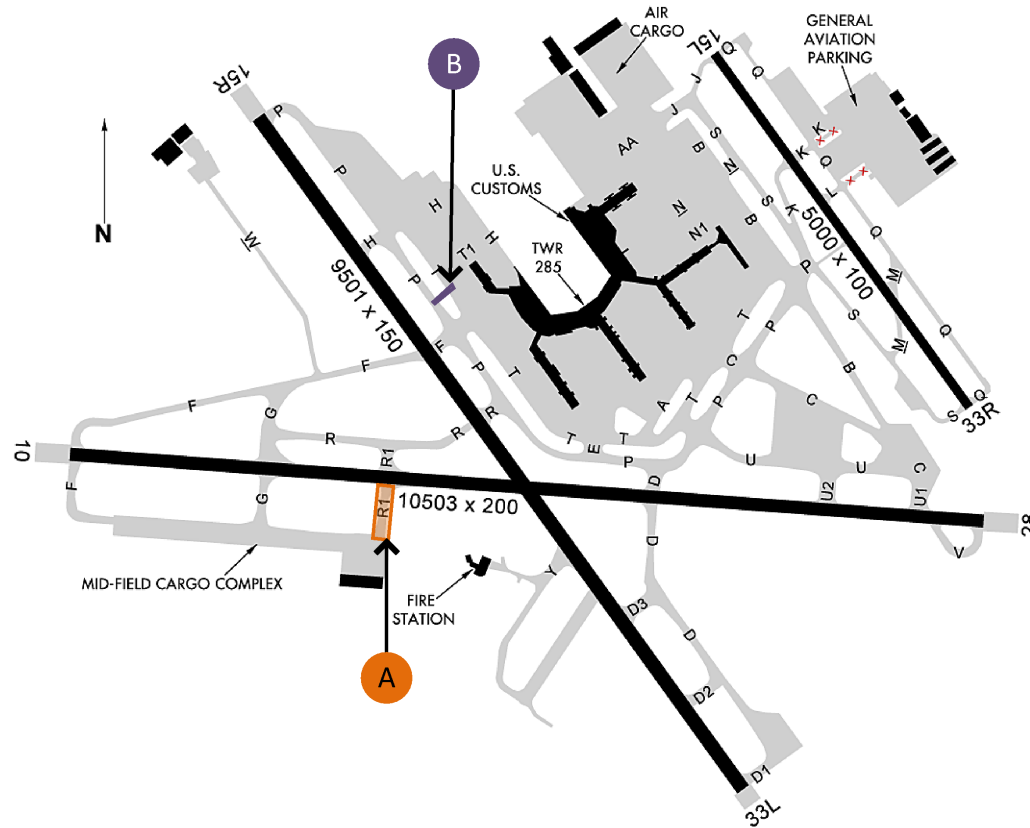
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A	RWY 15L/33R																																					
B	TWY B Lighting																																					
C	North-South fuel line																																					
D	Fuel Hydrant Project																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	RWY 15L/33R	Rwy 15L/33R closed except for taxiing.	05/03/2020 to 07/31/2020	In Progress		Runway only available for use by small prop aircraft. Periodic closures for establishment of a PAPI. Delayed due to COVID-19.
B	TWY B Lighting	Taxiway B centerline lights replacement.	05/13/2020 to 06/15/2020	Complete		Work will be limited to night construction and done during periods of low activity.
C	North-South fuel line	North-South fuel line project Phase 1 scheduled to begin.	05/13/2020 to 10/18/2020	In Progress		Work performed 0600-1600L Monday through Friday. The fuel line trench will be inside of the 280 foot RSA which means if RWY 15R/33L is used during IFR conditions the area has to be restored to Part-139 specifications. No humps, ruts, depressions, holes, trenches, plates or barricades.
D	Fuel Hydrant Project	Closure of RWY 4L/22R and TWY B between TWY A2 and TWY C and between TWYs C and F. From 5/26-5/29/20, requesting the closure of RWY 15R/33L from 0700 to 1530L.	05/25/2020 to 05/29/2020	Complete		

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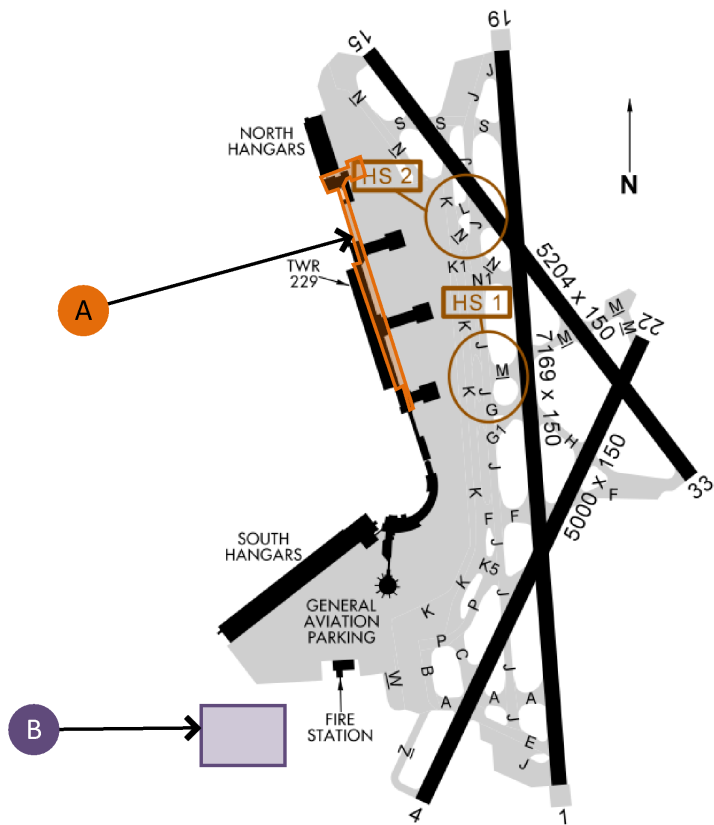
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E	TWY M and M1																																					
F	TWY D, D1, D2																																					
G	RWY 9/27																																					
H	RWY 14/32 and TWY J1																																					
I	RWY 14/32 Rehab																																					
J	TWY M Rehabilitation																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
E	TWY M and M1	TWY M closed between RWY 14/32 and TWY K closed. TWY M1 closed.	05/26/2020 to 08/07/2020	In Progress		Used as a haul route for the required construction vehicles involved in the rehabilitation of RWY 9/27.
F	TWY D, D1, D2	TWY D, D1 and D2 closed.	05/26/2020 to 08/07/2020	In Progress		
G	RWY 9/27	RWY 9/27 closed for rehabilitation. Milling and repaving.	05/26/2020 to 08/07/2020	In Progress		Project will consists of a full, continuous closure for 73 days.
H	RWY 14/32 and TWY J1	RWY 14/32 closed except for taxiing between TWY J1 and the approach end of RWY 14.	06/01/2020 to 07/06/2020	In Progress		
I	RWY 14/32 Rehab	Runway 14/32 closed for rehabilitation	05/01/2021 to 09/30/2021	Upcoming		
J	TWY M Rehabilitation	TWY M closed for rehabilitation	05/01/2022 to 12/31/2022	Upcoming		

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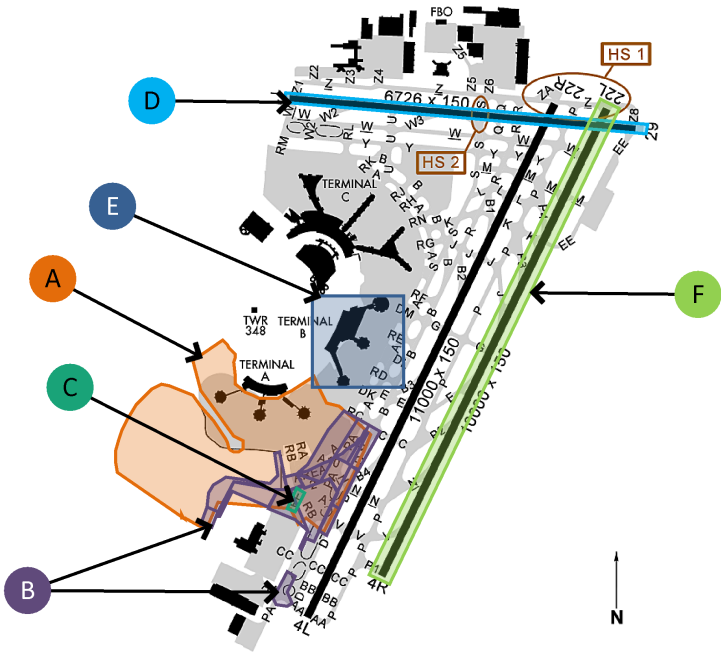
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	Midfield Cargo and Mill Overlay	Mill and overlay of Taxiway R1 between Runway 10/28 and midfield cargo ramp.	04/06/2020 to 05/08/2020	Complete	■	May require an occasional Runway 10/28 closure, but should be an overnight closure and should not effect capacity.
B	TWY T2	Installing a new Taxiway (T2) between TWY T and TWY P north of TWY F	05/04/2020 to 11/20/2020	In Progress	■	This project will necessitate closures to adjacent taxiways, but no effect on capacity at BWI.

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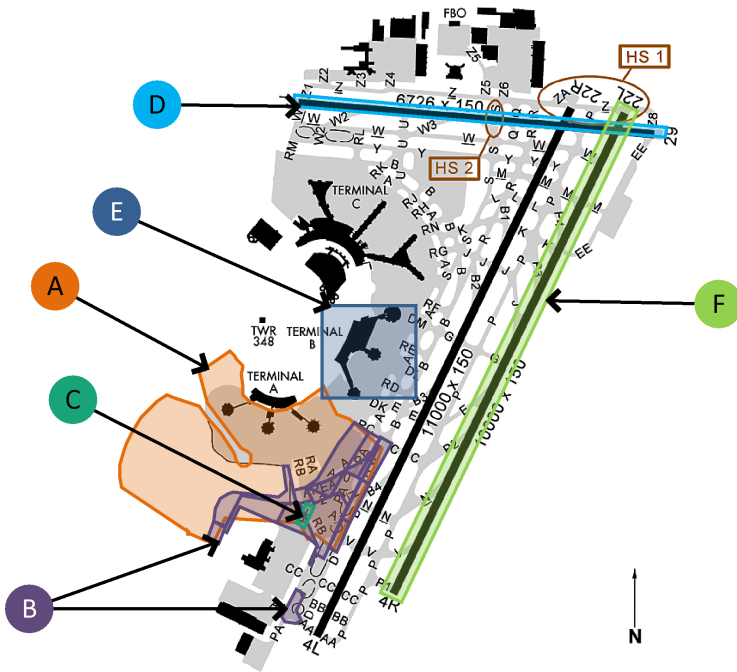
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A	North Concourse																																					
B	Lighting Vault Relocation																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	North Concourse	New regional concourse gates replacing surface gates.	04/19/2017 to 04/01/2022	In Progress		Safety Risk Assessment determined medium risk due to controller workload increase. New 14 Regional Jet (RJ) gates with jet bridges will allow handling of larger aircraft with 76-seats, versus current restriction of smaller aircraft with 50-seats.
B	Lighting Vault Relocation	TV-900 Lighting Vault Relocation. Airport lighting vault will be relocated. FAA NAVAIDS and communication equipment will be relocated to the new lighting vault.	Summer 2020 TBD to Summer 2021 TBD	Upcoming		



		2020										2021												2022												2023		
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A	Terminal One																																					
B	South TWYs & Ramp Area																																					
C	TWY FE																																					

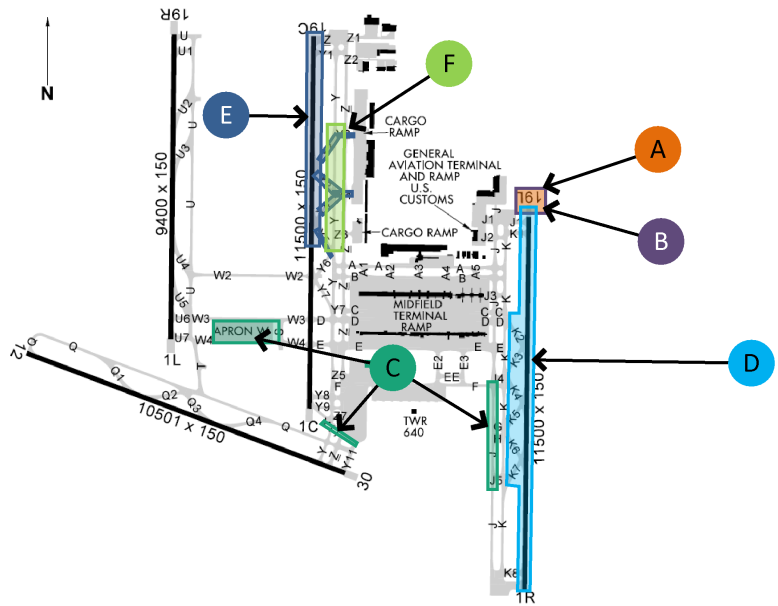
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	Terminal One	Terminal One redevelopment program. Demolition of existing Terminal A complex and construction of new Terminal One complex. Includes infrastructure required to support a 33 gate terminal complex.	01/01/2018 to 10/20/2022 TBD	In Progress		Multi-phased project. Expect taxiing delays in/out due to ramp congestion. Partial Terminal Opening, Q3-2021 (21 Gates) Full Terminal Opening, Q3-2022 (33 Gates)
B	South TWYs & Ramp Area	Rehabilitation and paving of South TWYs and ramp areas. Stage 6A - 11/15/19 to 12/31/19 & 11/15/20 to 6/30/2021 Stage 6B, 6C, 6D, 7, 8 - 11/15/19 to 11/15/20 Stage 9, 10 - 11/15/20 to 6/30/21	June 2019 to June 2021	In Progress		Staging sequence and schedule subject to change. Check current NOTAMS for status of taxiway closures. Expecting ramp and taxiway congestion.
C	TWY FE	TWY FE closed.	04/26/2020 to 08/21/2020	In Progress		



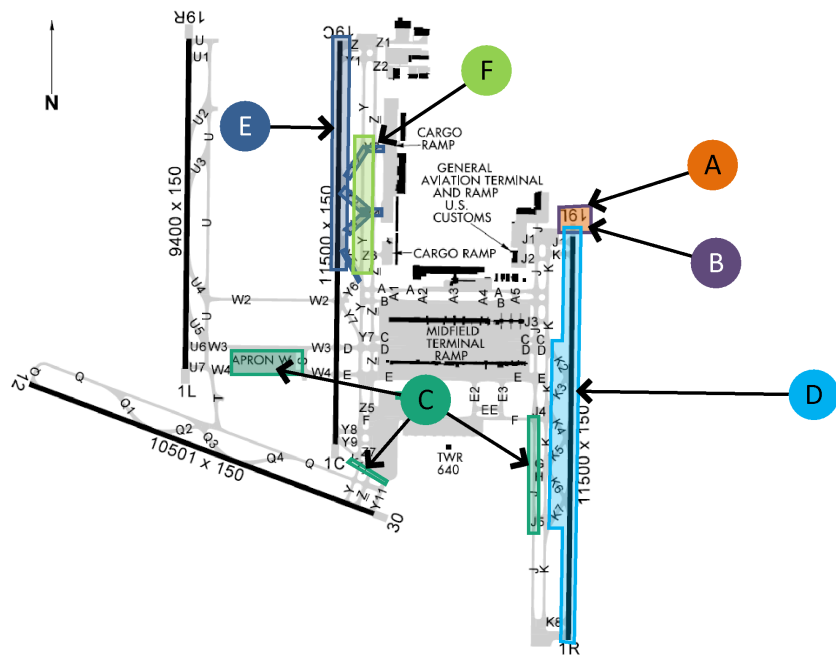
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D	RWY 11/29 Rehabilitation																																					
E	Terminal B Ramp Rehab																																					
F	RWY 4R/22L																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
D	RWY 11/29 Rehabilitation	RWY 11/29 closed for rehabilitation.	04/30/2020 to 07/03/2020	In Progress		
E	Terminal B Ramp Rehab	Terminal B Ramp Rehab.	2021 TBD	Upcoming		
F	RWY 4R/22L	RWY 4R/22L closed for reconstruction. Includes milling and paving runway, high-speed turn-offs, and crossing taxiways. Will shift the runway centerline slightly.	March 2021 to November 2021	Upcoming		Project sponsor (PANYNJ) evaluating and coordinating several potential project staging/scheduling options. Runway closure dates and duration TBD. Project includes lighting systems upgrades

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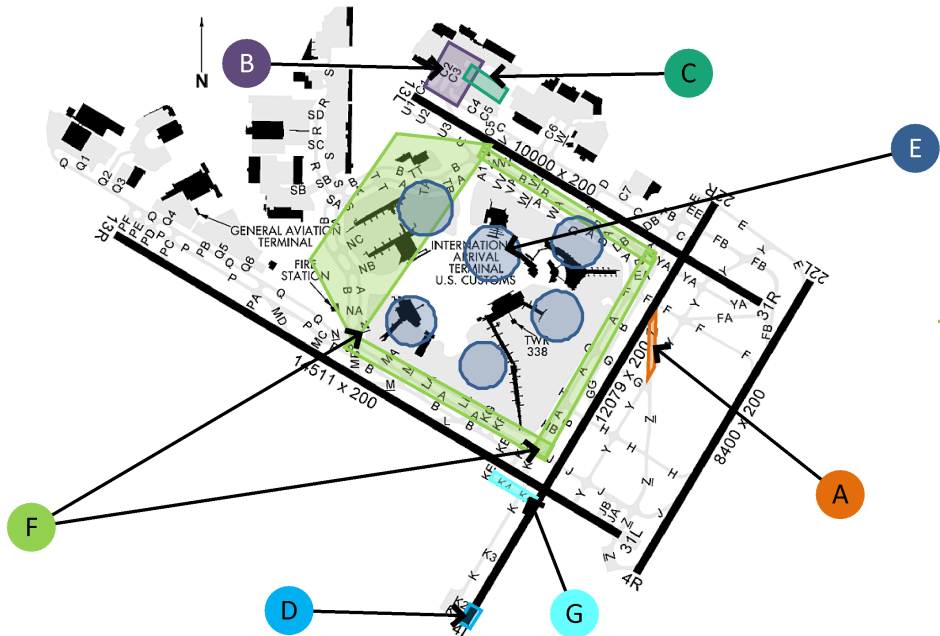


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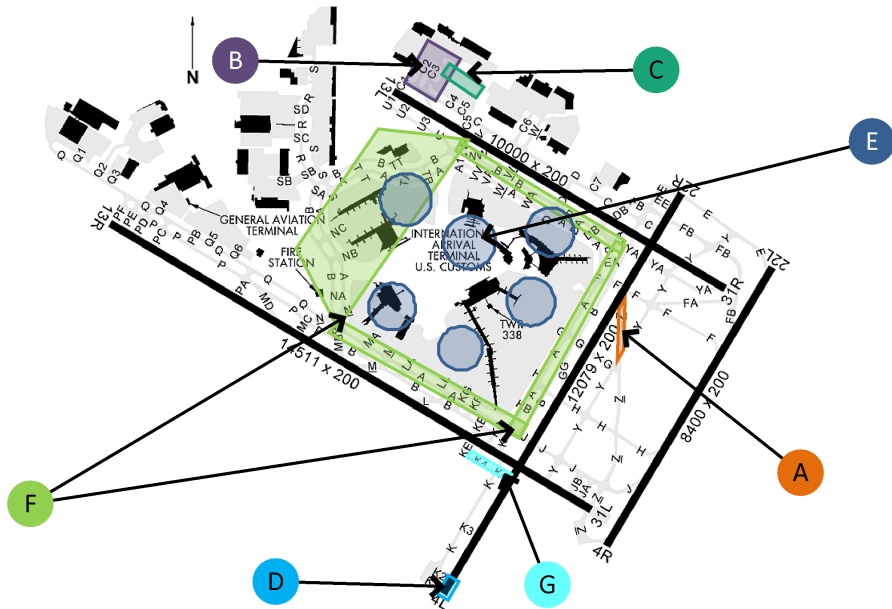
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E	RWY 1C/19C																																					
F	TWYs Y, Y2, Y3, Y4, & Y5																																					

Project	Description of Work	Estimated Dates	Status	Impact	Notes
E	RWY 1C/19C	Reconstruction of the North section of RWY 1C/19C & High Speed TWYs Y2, Y3, Y4 & Y5, inside the Runway Safety Area (RSA). FAA owned Runway Status Lights (RWSL) to be relocated.	03/01/2021 to 11/30/2021	Upcoming	<div></div> Crossing TWYs W2, W3 and W4 will remain open for aircraft arriving or departing RWY 1L/19R. Displaced threshold possible to relieve potential capacity impact. Project will start Q1 March 2021.
F	TWYs Y, Y2, Y3, Y4, & Y5	Reconstruction & widening of TWYs Y, Y2, Y3, Y4 & Y5 outside the RSA.	03/01/2021 to 11/30/2021 TBD	Upcoming	<div></div> Project will coincide with RWY 1C/19C construction. Loss of capacity on RWYS 1C and 19C due to closure of first 2 high-speed exits for RWY 19C and the closure of last 2 high-speed exits for RWY 1C. Greater in-trail spacing will be required due to increased aircraft runway occupancy time. Closure time may be reduced from 9 months to 6 months for this portion with addition of displaced threshold. Project will start Q1 2021.



		2020										2021												2022												2023		
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A	TWY Z																																					
B	TWYs C2 and C3 Enhancement Project																																					
C	Apron Hangars 3,4,5 North and South ramps																																					

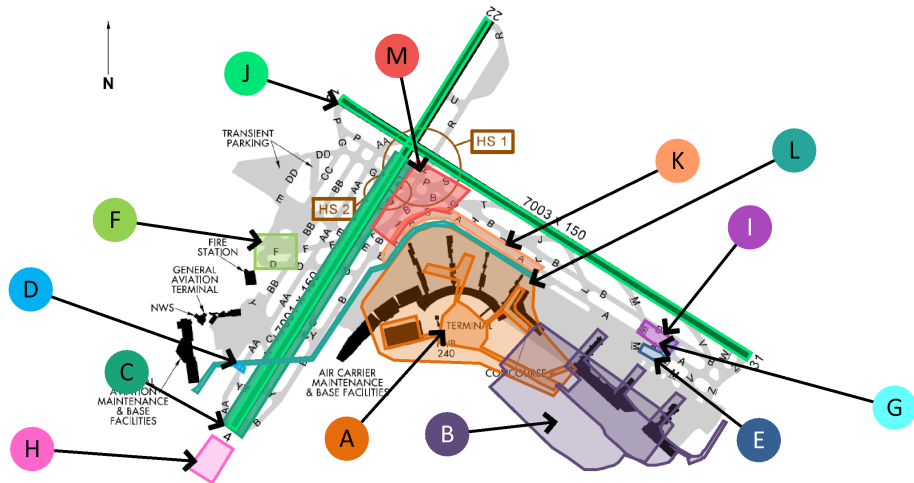
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	TWY Z	TWY Z closed for construction between RWY 4L/22R and TWY Y.	07/29/2019 to 10/30/2020	In Progress		Alternate TWYs available.
B	TWYs C2 and C3 Enhancement Project	Relocation (Shift) and Reconstruction of Taxiways C2, C3, and reconstruction of West portion of North Cargo Area Ramp.	12/13/2019 to 07/01/2020	In Progress		Taxiway C2 and portion of TWY C closed. Check current NOTAMS for status of taxiway closures.
C	Apron Hangars 3,4,5 North and South ramps	Apron and Hangars 3,4 and 5 North and South ramps closed at various times.	01/04/2020 to 12/25/2020	In Progress		<p>Twy C5 closed between Twy C and Hangars 3,4 and 5 South ramp == 4/30/20-12/25/20.</p> <p>Apron Hangars 3,4 and 5 North ramp closed== 1/4/20-6/30/20.</p> <p>Apron Hangars 3. 4 and 5 South ramp closed== 8/21/19-6/30/20.</p>



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D	RWY 4L Runway End Identifier Lights (REIL)																																					
E	Terminal Area																																					
F	TWYs A and B																																					
G	TWY K4																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
D	RWY 4L Runway End Identifier Lights (REIL)	RWY 4L Runway End Identifier Lights (REIL) work.	05/08/2020 to 09/08/2020	In Progress		
E	Terminal Area	Redevelopment construction involving Terminals 1,4, and 5-7 and other areas.	Summer 2020 TBD to 2025 TBD	Upcoming		24 hardstands will be relocated. This will result in increased towing operations and limited metering locations.
F	TWYs A and B	Full reconstruction of TWYs A and B	March 2021 to November 2021	Upcoming		Coordination with ATC to minimize impact.
G	TWY K4	Effort lead by JFK Redevelopment for the construction/redevelopment of Taxiway K4.	Spring 2021 TBD to Fall 2021 TBD	Upcoming		

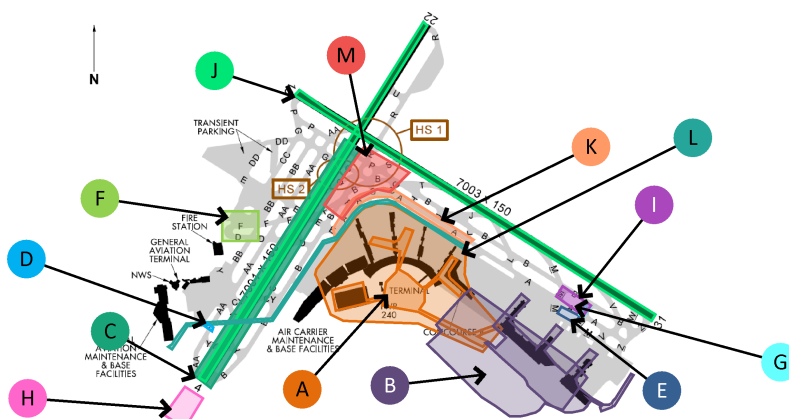
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A	Terminal B																																					
B	Terminals C & D																																					
C	RWY 4/22																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	Terminal B	Terminal B redevelopment of the Central Terminal Building (CTB). Construction expected to include the demolition of the existing terminal and associated infrastructure. Construction is for a new 35 gate terminal.	08/04/2015 to 11/07/2021	In Progress		Concourse B now open. Headhouse opened June 2020. North portion of Concourse A tentatively scheduled to open August 2020.
B	Terminals C & D	Terminals C & D redevelopment. Construction includes demolition of the existing terminals and reconstruction. Construction is for a 37 gate terminal.	08/01/2017 to 01/24/2025	In Progress		Construction includes new main terminal. Terminal C & D is approx. 38% of LGA passenger traffic (275 daily departures). Concourse G now open. Concourse E construction underway.
C	RWY 4/22	RWY 4/22 closed for rehabilitation. Mill and overlay of runway deck wearing course, and concrete panel replacement. Includes lighting upgrades. Resurfacing RWY 4/22 from the approach end of RWY 4 to the runway intersection. Includes all runway crossings and exits. Runway paving and grooving completed Oct 2019.	04/14/2019 to 11/30/2020	In Progress		Multi-phased project. The majority will be completed during weekend closures. The runway closures required for this project will be scheduled during nighttime, and during scheduled weekend closures to minimize impacts. Associated taxiway work will continue through November 2020.

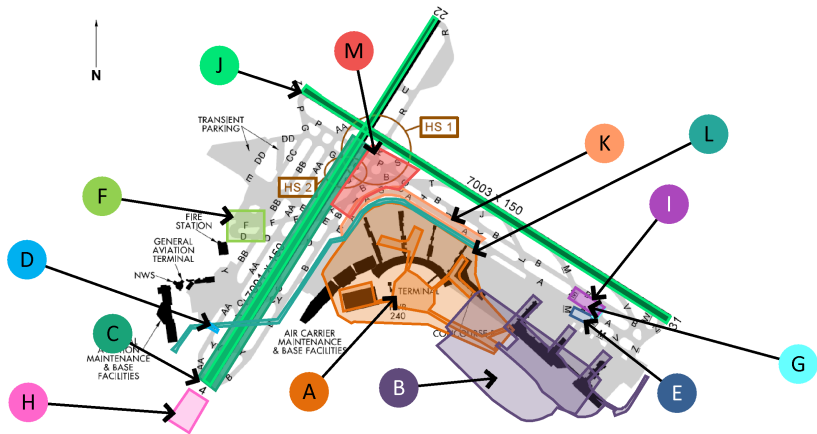
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E	TWY M																																					
F	TWYS D and F																																					
G	TWY N																																					
H	RWY 4 Localizer																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
D	TWY AC	TWY AC closed	11/17/2019 to 11/17/2020	In Progress		
E	TWY M	A portion of TWY M was permanently closed on Feb. 18, 2020 to support construction of the new Terminal C Concourse E. The remainder of TWY M became non-movement area and renamed Taxilane 17 on May 2, 2020.	February 2020 to May 2020	Complete		In support of Terminal C redevelopment. New Airport Diagram published on May 21, 2020 to reflect these changes. Delta has captured TWY M (non-movement area now).
F	TWYS D and F	TWYs D and F closed west of TWY BB daily 0001-1200.	03/09/2020 to 10/31/2020	In Progress		
G	TWY N	TWY N closed between TWY A and M.	04/07/2020 to 07/31/2020	In Progress		Closed to aircraft with wingspans greater than 118 feet.
H	RWY 4 Localizer	Construction of an extension of the runway deck platform.	2022 TBD	Upcoming		Proposal to relocate the RWY 04 localizer to support a more stable localizer signal. The relocation from a pier over the water to an extension of the runway deck platform to eliminate signal reflection issues with the tide changes.

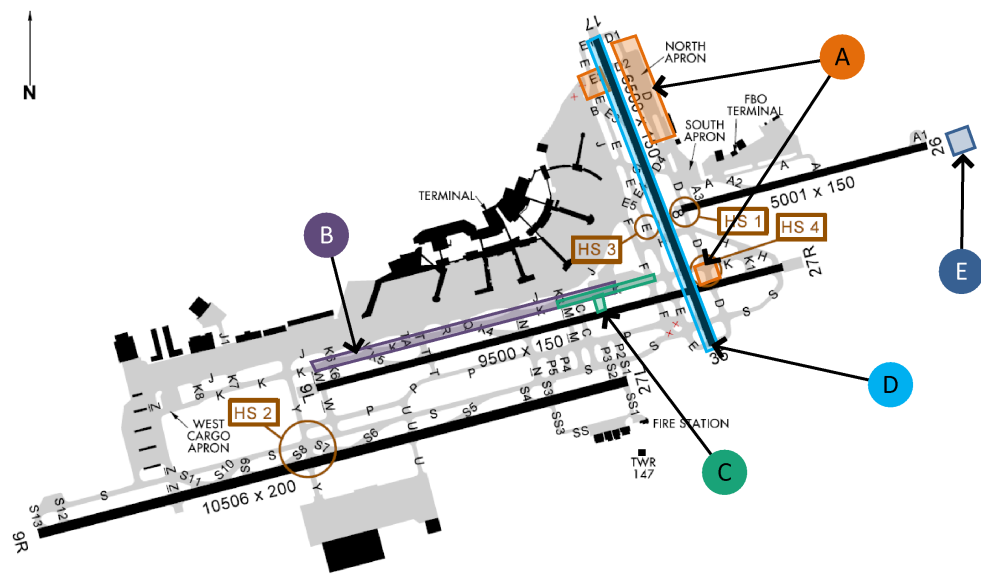
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I	TWY A Shoulder																																					
J	Rwy Closures																																					
K	TWY A																																					
L	Hydrant Fueling Line																																					
M	TWYs P,R, B, G Rehabilitation																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
I	TWY A Shoulder	TWY A shoulder work to tie in new Terminal C Concourse E paving and drainage to TWY A.	March 2020 to 2020 TBD	In Progress	■	Nightly closure from 2300-0700. Possible closure of TWY N between A and M.
J	Rwy Closures	Airport closed for overnight work.	04/15/2020 to 11/15/2020	In Progress	■	Airport closed to fixed wing aircraft for routine repairs to runways and taxiways and to accommodate construction from 0000L to 0600L.
K	TWY A	TWY A closed overnight (0001 to 0600L) for rehabilitation. Resurfacing TWY A between TWY E and TWY K.	04/26/2020 to September 2021	In Progress	■	All work to be performed during nightly closures. PANYNJ exploring possibilities to extending night time work hours to 8am and possibly allow some daytime work due to decreased airport operations resulting from COVID-19 pandemic.
L	Hydrant Fueling Line	Installation of fuel hydrants line.	Spring 2021 TBD to Winter 2021 TBD	Upcoming	■	Dates are tentative.
M	TWYs P, R, B, G Rehabilitation	TWYs P, R, B and G will require rehab work to be broken up in stages and completed over the course of two years (2021 & 2022).	Spring 2021 TBD	Upcoming	■	Asphalt and concrete work are required. Approximately 20, 54-hour weekend closures required to complete the concrete work. 54-hour closures include taxiway segments only. Both runways will return to service at or before 1200L on Sunday.

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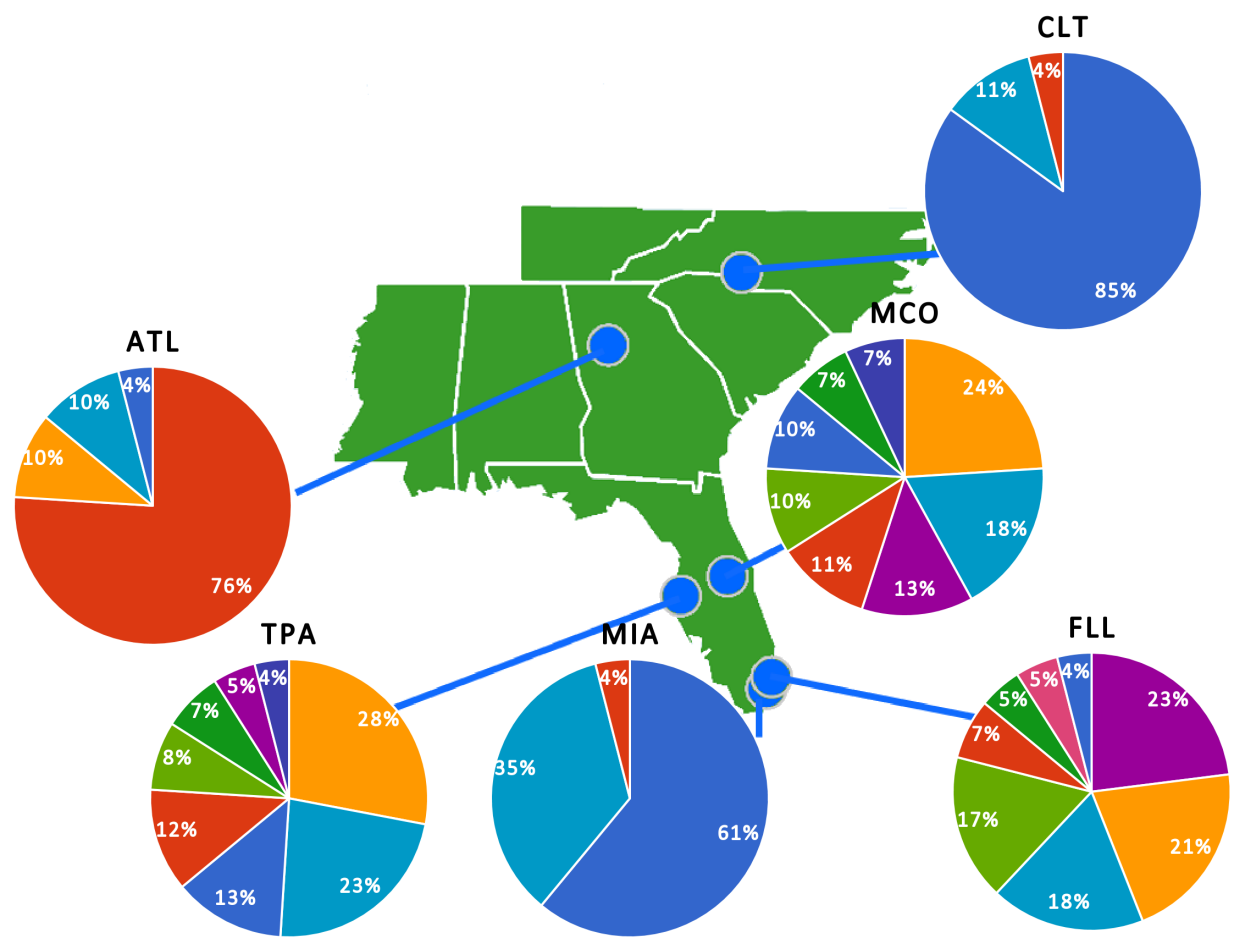
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B	TWY K Reconstruction																																					
C	TWYs K and L																																					
D	RWY 17/35 Rehabilitation																																					
E	RWY 26 RSA																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	Airfield North Apron	Reconstruction and rehabilitation of the North Apron, currently includes Taxiway E2 and RSA of Runway 17/35 and Taxiway K.	03/05/2019 to 06/30/2020	In Progress		Phased closures on North Apron area.
B	TWY K Reconstruction	Reconstruction of TWY K. Construction includes demolition, paving, lighting, marking, and grading.	03/15/2020 to 08/31/2024	In Progress		Potential for limited impact to adjacent TWYs.
C	TWYs K and L	TWYs K and L closed.	05/04/2020 to 07/31/2020	In Progress		TWY K closed between TWY F and M. TWY L closed between RWY 9L/27R and TWY K.
D	RWY 17/35 Rehabilitation	Pavement and lighting rehabilitation.	09/15/2020 to 06/15/2021	Upcoming		Schedule is tentative until contractor is selected.
E	RWY 26 RSA	Runway 26 RSA Improvements. The airport is planning to install EMAS on the RWY 26 end.	05/01/2022 to 11/15/2022	Upcoming		These are very tentative dates.

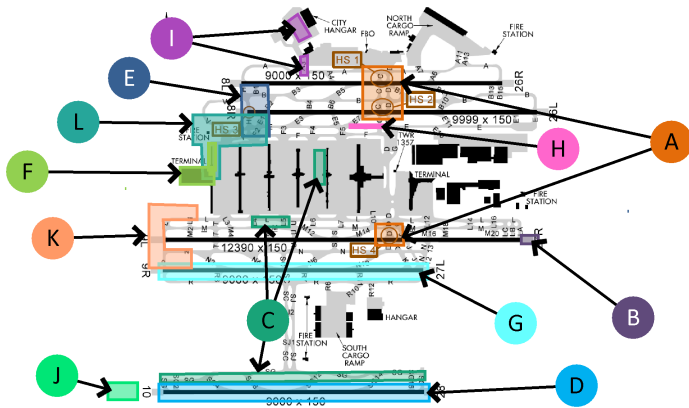
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Key:

- American-AAL
- Delta-DAL
- Frontier-FFT
- JetBlue-JBU
- Other *less than 4%
- Silver-SIL
- Southwest-SWA
- Spirit-NKS
- United-UAL

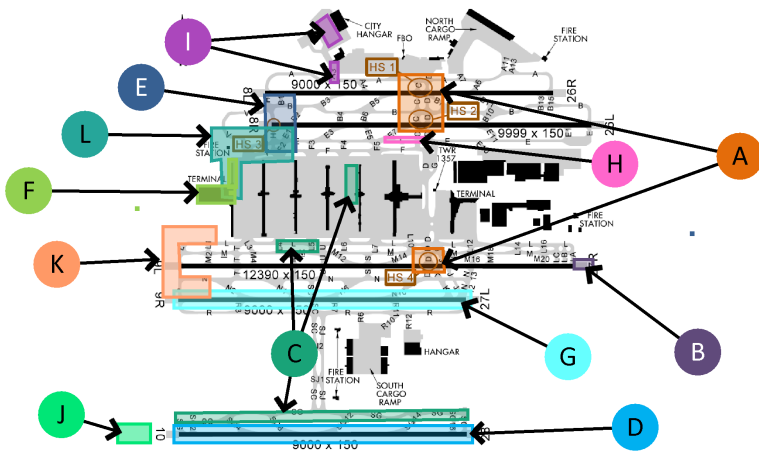


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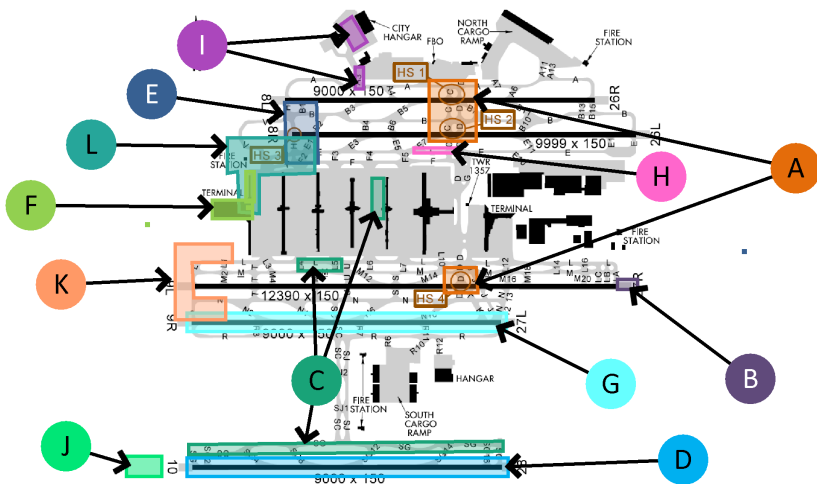
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A	Hot Spots 1, 2, and 4																																					
B	RWY 27R RSA																																					
C	South Complex, Multiple TWYs																																					
D	RWY 10/28																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	Hot Spots 1, 2, and 4	RWY Incursion Mitigation Program: RWY 8L/26R, HS1, TWY C, D, B intersections; RWY 8R/26L, HS2, TWY C, D intersections. HS4 at RWY 9L/27R and TWY D intersections.	November 2019 to May 2020	Complete		RWY Incursion Mitigation Program (RIM) of HS1 and HS2. requires shifting of portions of TWYs C and D that intersect RWYs 8L/26R and 8R/26L at midfield. Phased project planned to minimize costs and airfield impacts. Completed the north complex at TWYs C & D (11/2019). HS4 at 9L/27R expected work week of 5/11/2020.
B	RWY 27R RSA	RWY 27R RSA improvements.	01/01/2020 to 2020 TBD	In Progress		Nightly closures.
C	South Complex, Multiple TWYs	TWY L closed between L4 and L5. TWY SG and Ramp 4 are also closed for slab replacement.	03/20/2020 to 04/15/2020	Complete		
D	RWY 10/28	RWY 10/28 closed.	03/20/2020 to 06/20/2020	Complete		



		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
E	North Complex, Multiple TWYs																																					
F	Concourse T																																					
G	RWY 9R/27L																																					
H	TWY E																																					

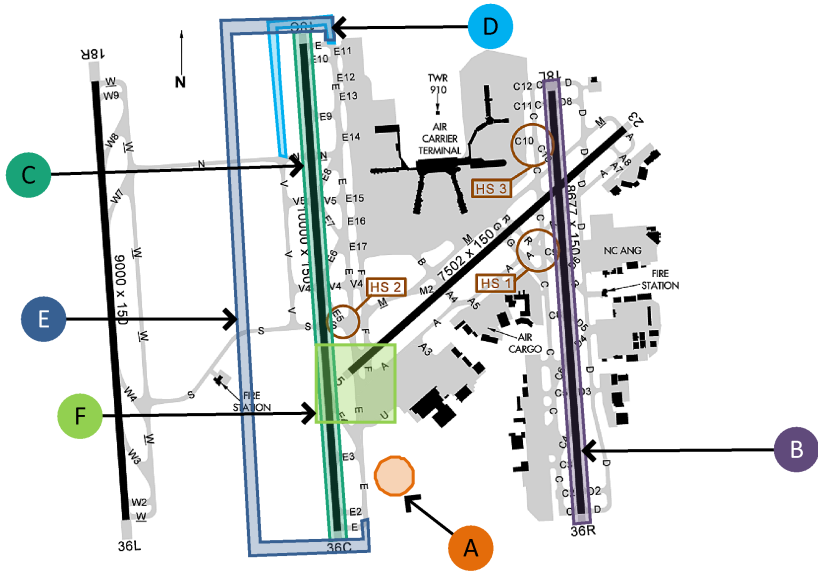
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
E	North Complex, Multiple TWYs	Construction on TWYs E, H and F and Ramp 1.	04/05/2020 to 06/04/2020	Complete		TWY E from Ramp 1 to E1, TWY H from E to F, TWY F2. First of four phases started April 5, 2020.
F	Concourse T	North extension; modify parking, apron areas, and construct five (5) new gates to accommodate up to Aircraft Design Group (ADG) III.	09/01/2020 to Winter 2023	Upcoming		Concourse T will be extended. Construction will add five (5) new gates.
G	RWY 9R/27L	RWY 9R/27L closure for slab replacement.	09/22/2020 to 09/25/2020	Upcoming		Most likely TBFM delays through ZTL. Timesharing RWY 9L as both an arrival and departure runway. 6 SM final spacing with 160kts speed restrictions while in Triple Arrivals.
H	TWY E	TWY E closed between E7 and Dixie.	Fall 2020	Upcoming		This will be done as a future project and the new dates are unknown. Minor impact to operation. No delays expected.

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		2020										2021												2022												2023		
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I	Ramp 19 and Taxilane A3																																					
J	RWY 10 Glideslope																																					
K	RWY 9L End-Around TWY																																					
L	Taxiway V / TWY V Bypass																																					

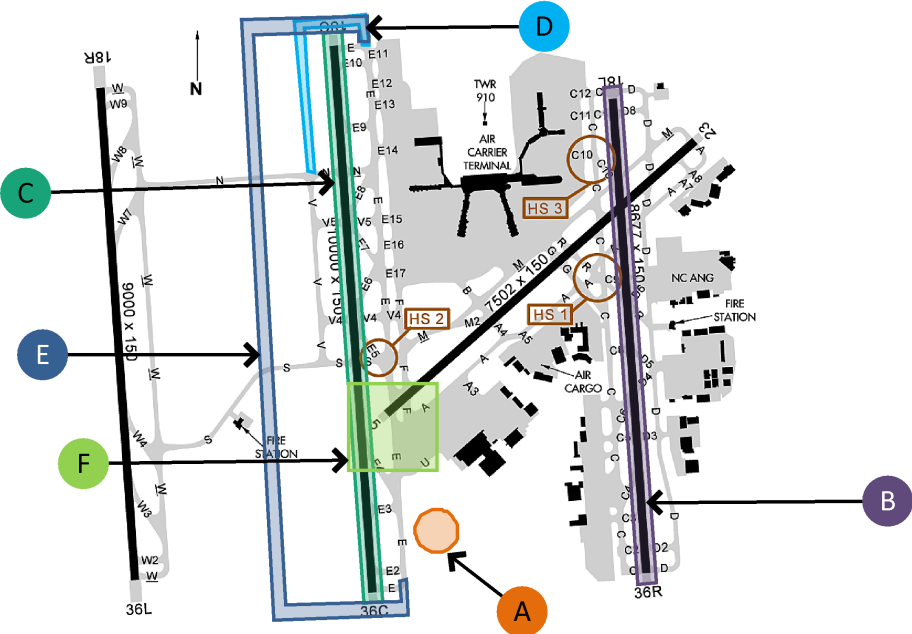
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
I	Ramp 19 and Taxilane A3	Ramp 19 and Taxilane A3 Pavement Replacement.	2021 TBD	Upcoming	■	Procurement cancelled. Will be rebid this summer for construction in 2021 and 2022. No impact to AT operations.
J	RWY 10 Glideslope	Safety area improvements on north complex and grading of RWY 10 glideslope reflective plane.	03/01/2021 to 07/01/2021	Upcoming	■	Will reduce capacity during Instrument operations. Glideslope outage for 120 days. Localizer will be operational. Project is in design phase. Construction Spring 2021.
K	RWY 9L End-Around TWY	Construction of an EAT at RWY 9L to provide more efficient capacity and reduce delays.	05/01/2021 to 08/01/2022	Upcoming	■	Impacts uncertain until designs are finalized.
L	Taxiway V / TWY V Bypass	TWY V realignment and redesign, for TWYs E, F, H, E1 and F2. Construction will affect TWY V, E, and F outside of Ramp 1N.	Fall 2021 TBD	Upcoming	■	Preliminary work to support the construction of, and use of, Concourse T expansion. 4-phases to minimize the impact to operations. If TWY V is not available, will have to stage aircraft to cross RWY 8R/26L, impacting the departure rate on the North side. Project is in design phase.

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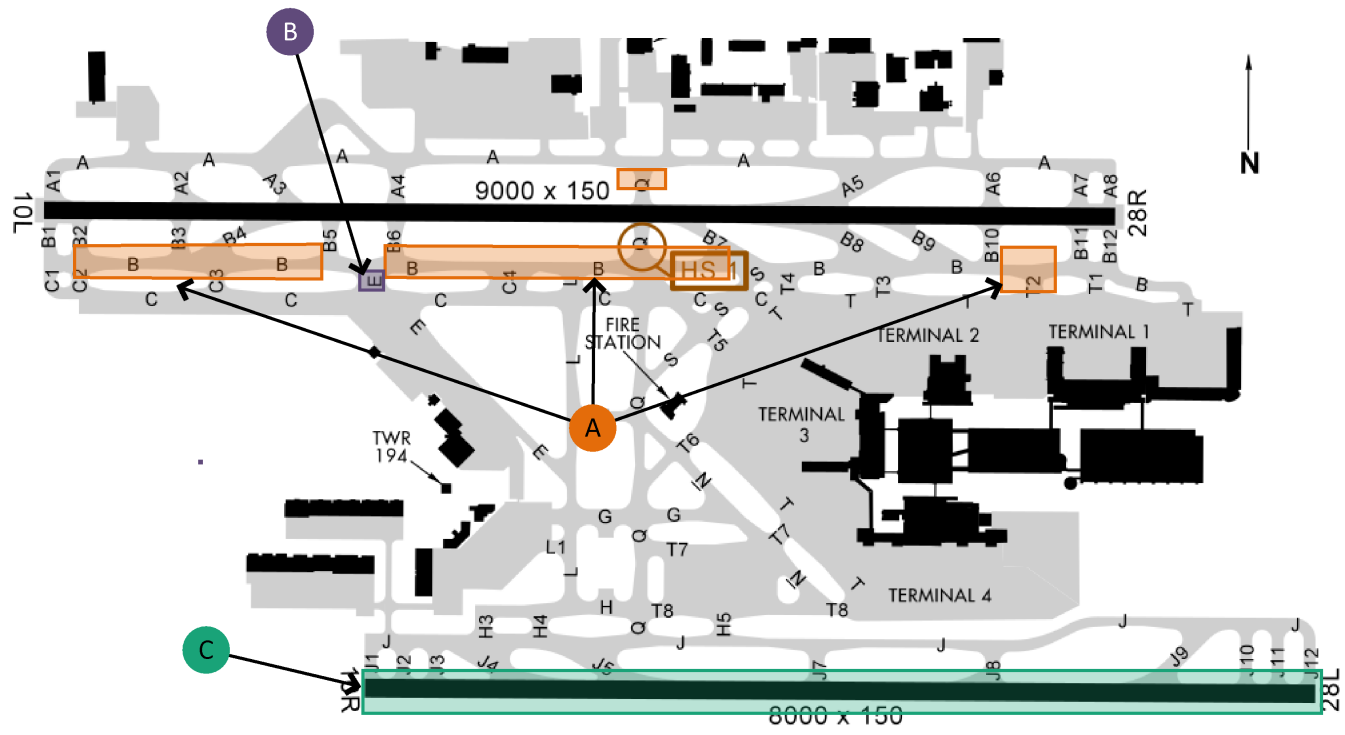
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A	Control Tower																																					
B	RWY18L/36R																																					
C	RWY 18C/36C																																					
D	North End-Around Taxiway (NEAT)																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	Control Tower	New FAA Control Tower.	06/02/2017 to 2021 TBD	In Progress	■	Tower should be commissioned and operational in 2020 or 2021.
B	RWY18L/36R	RWY 18L/36R closed for rehabilitation. First work area completed 12/31/2019.	09/01/2019 to 06/30/2020	In Progress	■	This project takes place nightly between 2315L-0715L.
C	RWY 18C/36C	RWY 18C/36C closed for joint seal replacement. Nightly closures.	08/01/2020 to 11/30/2020	Upcoming	■	This project work expected to occur during overnight hours, between 2300-0600L daily.
		RWY 18C/36C closed for joint seal replacement. Nightly closures.	09/01/2020 to 12/31/2020	Upcoming	■	This project expecting during overnight hours, between 2315-0600L daily.
D	North End-Around Taxiway (NEAT)	Build a taxiway around Runway 18C.	11/15/2020 to 07/21/2024	Upcoming	■	Multi-phased project. Design phase starts in 2020. Possible service interruptions due to infrastructure system tie-ins. Possible arrival/departure impacts due to equipment, and construction cranes.



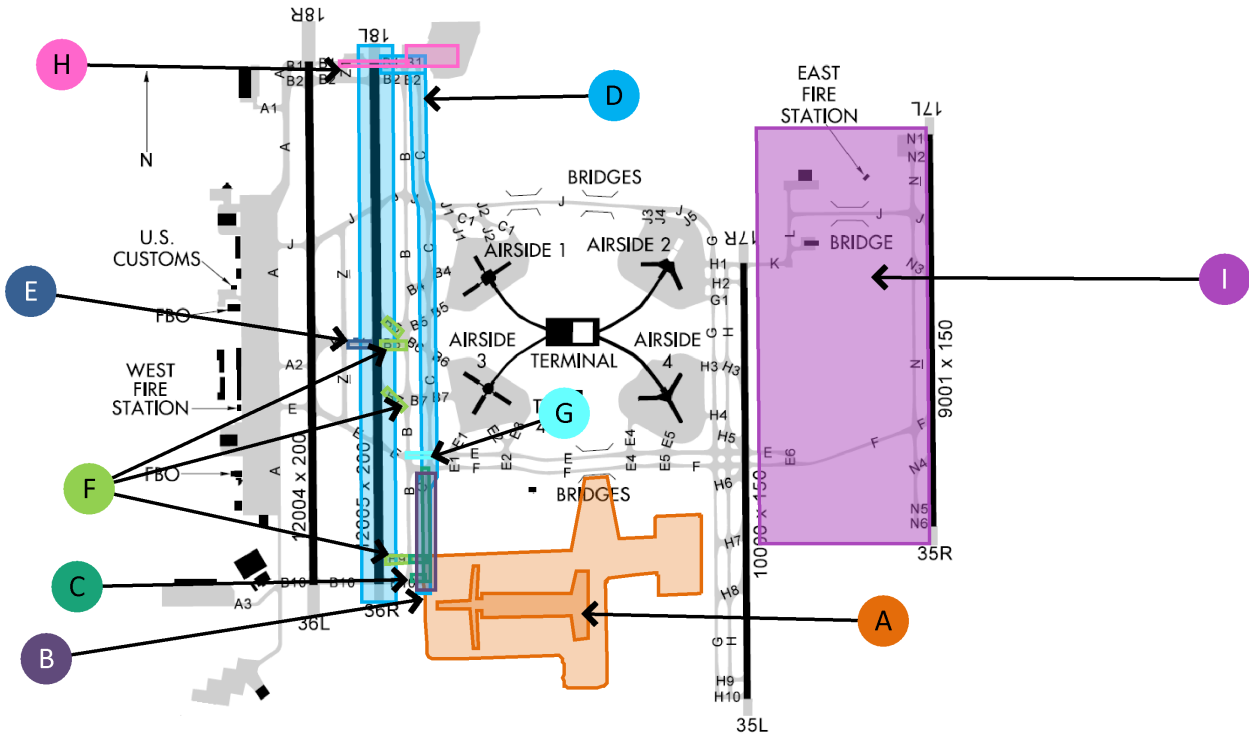
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E	New 4th Parallel RWY																																				
F	Terminal Ramp Expansion																																				

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
E	New 4th Parallel RWY	Build new runway to add capacity, 10,000 ft. x 200 ft., plus end-around TWYs.	03/01/2023 to 03/01/2026	Upcoming	■	Multi-phased project. Design phase 2018. Possible service interruptions due to infrastructure system tie-ins. Possible arrival/departure impacts due to equipment, and construction cranes.
F	Terminal Ramp Expansion	Close Rwy 5/23 and extend ramp to the south to improve ground traffic flow and facilitate future expansion.	03/01/2023 to 03/01/2026	Upcoming	■	Environmental Assessment is underway. Multi-phased project. Design phase targeted to start in 2021. Possible service interruptions due to infrastructure system tie-ins. Possible arrival/departure impacts due to equipment, and construction cranes.



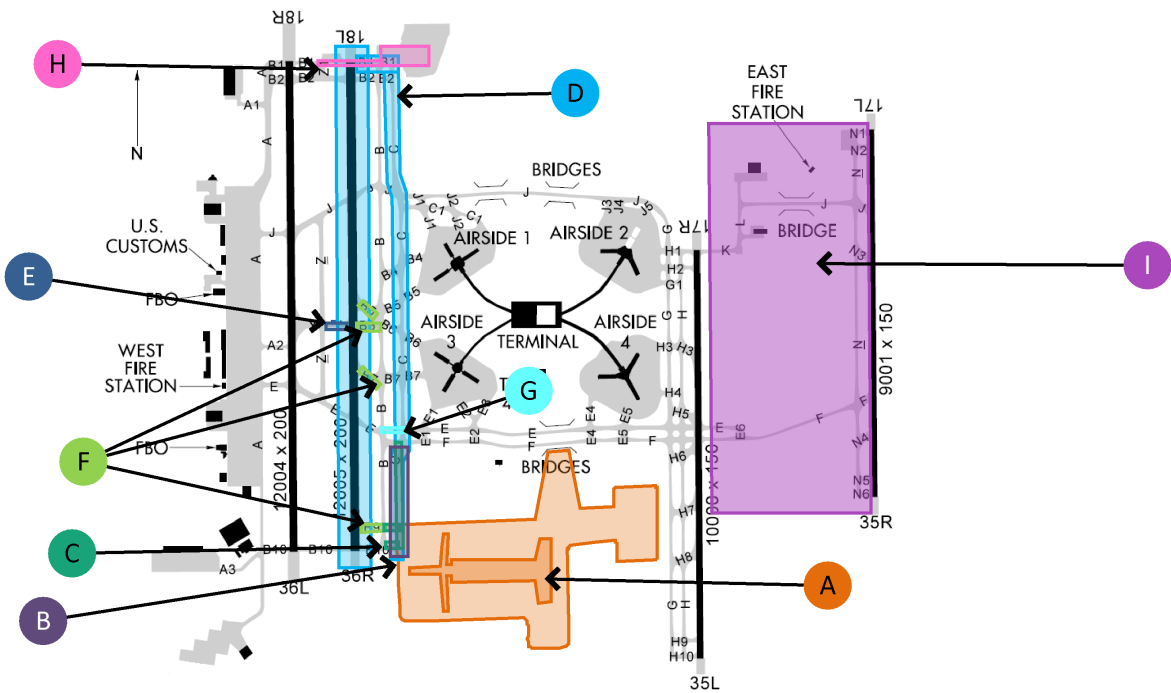
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A	TWYs B & Q																																					
B	TWY E																																					
C	RWY 10R/28L																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	TWYs B & Q	Phase 4 (159 days) - TWY B and Q rehabilitation. TWY rehabilitation, includes milling and paving. New surface markings and signage.	06/03/2019 to June 2020	Complete		Expected end of construction: June 1.
B	TWY E	TWY E closed between TWY B and TWY C	11/18/2019 to 03/31/2020	Complete		
C	RWY 10R/28L	RWY 10R/28L closed for pavement maintenance.	06/08/2020 to 07/06/2020	In Progress		



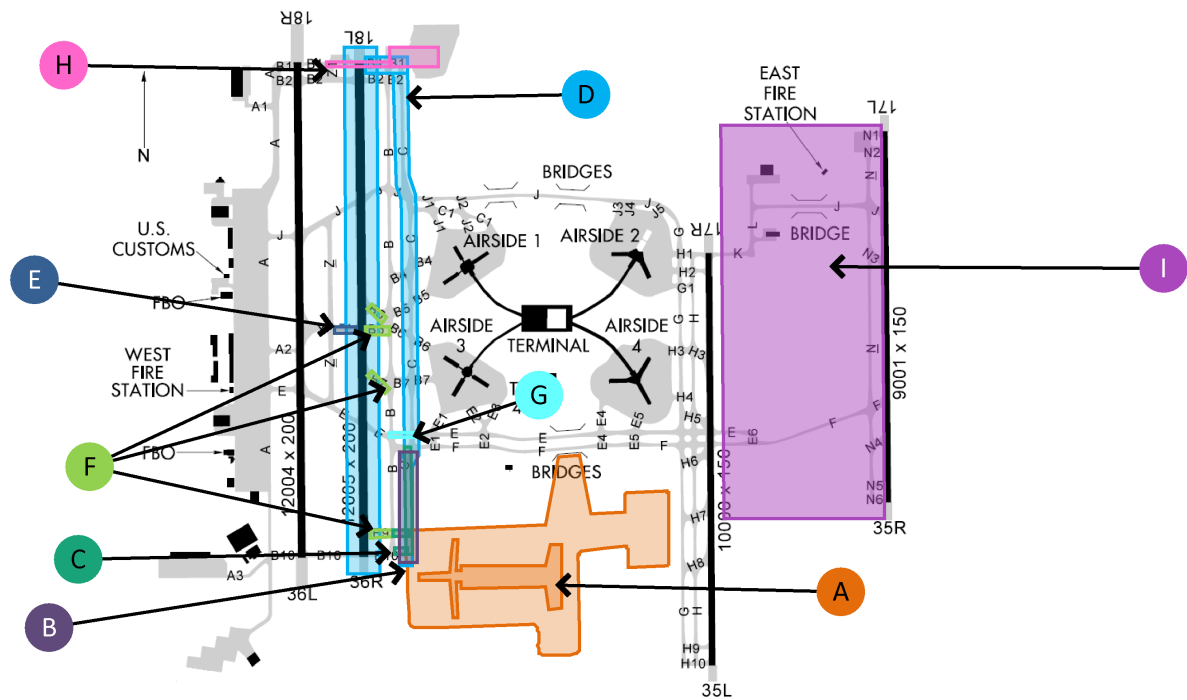
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A	South Terminal Complex																																					
B	TWY C																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	South Terminal Complex	Construction of a South Terminal Complex and Intermodal Facility. Associated apron/taxiway construction. Limited RWY/TWY closures for tie-ins. Includes a 19-gate concourse and terminal.	June 2019 to Jun 2022 TBD	In Progress		Construction cranes may impact arrival minimums during inclement weather. Expecting some system impacts when taxiway closures are required. Associated limited impacts on RWYs and TWYs during construction of Virgin train rail network.
B	TWY C	TWY C closed South of TWY F in conjunction with the South Terminal Project. TWY C is scheduled to close for an extended period.	12/10/2019 to 03/31/2021	In Progress		Possible capacity issues with delay impacts. Will no longer be able to stage aircraft on parallel taxiways. Also, less flexibility to move aircraft not ready to depart at runway end. Only North operations affected. During South operations, possible gate delays and impacts on airfield capacity. Weather events may cause more delay(s).



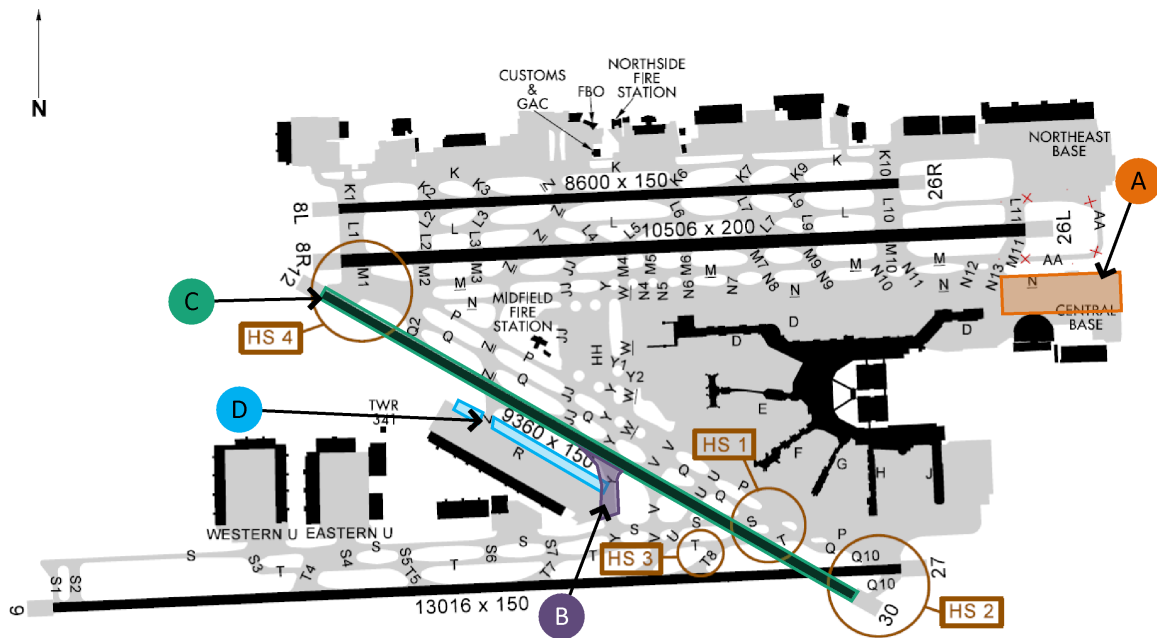
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C	TWYs B9, B10 and C																																					
D	RWY 18L/36R TWYS B1 & C																																					
E	TWY Y																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
C	TWYs B9, B10 and C	TWY B9 closed between TWY B and TWY C. TWY B10 closed between TWY B and TWY C. TWY C closed between TWY F and TWY B10.	12/10/2019 to 03/31/2021	In Progress		
D	RWY 18L/36R TWYS B1 & C	RWY 18L/36R closed for rehabilitation. TWY B1 and TWY C closed for milling/overlay, and other repairs. Improvements to pavement geometry, runway shoulder pavement widening, blast pad enhancements, markings, lighting, and signage.	01/13/2020 to 09/18/2020	In Progress		Runway 18R/36L will be a shared departure/arrival runway. More delays during weather requiring TMU initiatives. Possible longer taxi times. Additional taxiway closures expected during construction.
E	TWY Y	TWY Y closed between RWY18L/36R and TWY Z.	01/13/2020 to 08/09/2020	In Progress		



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	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
F	TWYs B5, B6, B7 and B9																																					
G	TWY E																																					
H	TWY B1																																					
I	East-side Taxiways																																					

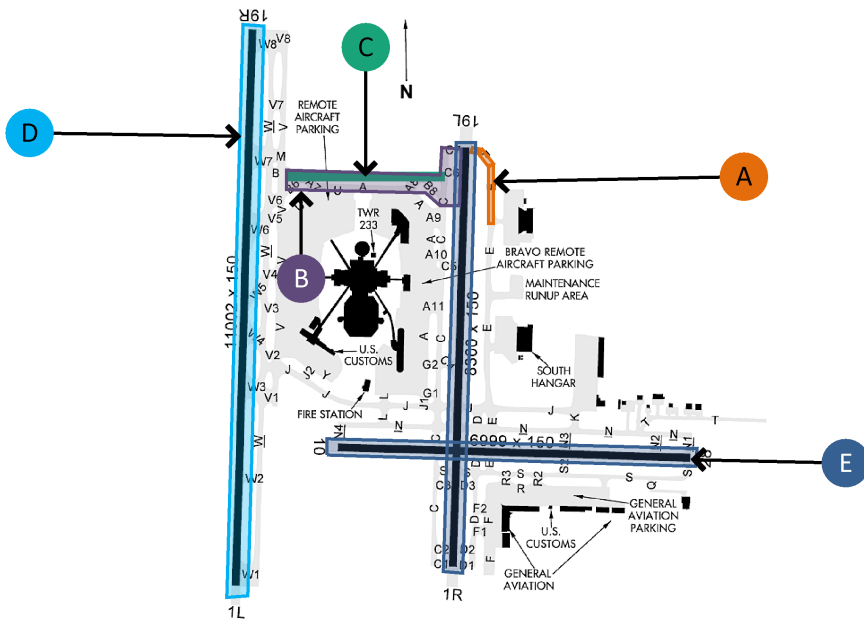
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
F	TWYs B5, B6, B7 and B9	TWYs B5, B6, B7 and B9 closed between RWY 18L/36R and TWY B	01/13/2020 to 08/09/2020	In Progress		
G	TWY E	TWY E closed between TWY B and TWY C to aircraft with wingspans greater than 214 feet.	05/04/2020 to 06/30/2020	In Progress		
H	TWY B1	TWY B1 and holding pad closed. TWY B1 closed from the approach end of RWY 18L from B1 to Z1.	06/19/2020 to 07/10/2020	In Progress		
I	East-side Taxiways	Associated TWYs closed for rehabilitation, lighting, painting and signage on all taxiways between RWYs 17L and 17R.	Jan 2021 TBD to Sep 2022 TBD	Upcoming		Still in the design phase. If long term taxiway closures are encountered, capacity could be reduced due to the fact RWY 17L/35R could not be accessed.



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A	Central Base Ramp																																					
B	TWY Y																																					
C	RWY 12/30 Closure																																					
D	TWY R																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	Central Base Ramp	Central Base (East side) ramp expansion and taxiway tie-in.	June 2019 to 2022 TBD	In Progress		Project will impact operations during taxiway tie-in work at the N-13 intersection.
B	TWY Y	TWY Y closed for upgrades.	11/25/2019 to 05/30/2020	Complete		Limited impact, with possible increased taxi times. Expecting major construction work during mid-shift hours
C	RWY 12/30 Closure	Runway 12/30 closed for Taxiway R construction tie-in.	04/19/2020 to 07/19/2020	In Progress		Taxiway R construction in progress; runway closure as indicated.
D	TWY R	TWY R closed for extension.	06/20/2020 to May 2021	In Progress		Currently open. Will close on June 20, 2020.

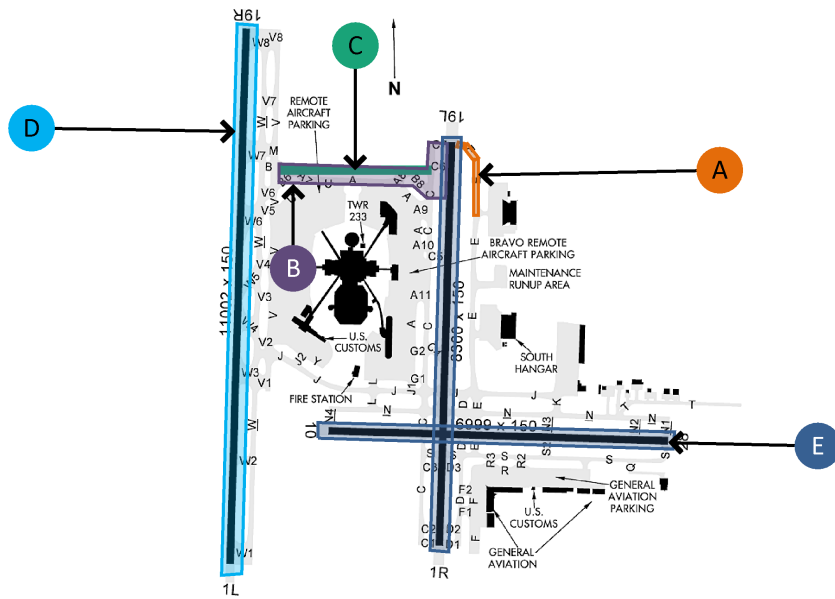
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A	TWY E																																					
Not Deplctd	Airfield Runway Threshold Lighting																																					
Not Deplctd	Multiple TWYs																																					
B	TWY A Bridge																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	TWY E	TWY E closed between airborne North Ramp and approach end of RWY 19L. Closed to aircraft with wingspans greater than 118 feet.	07/23/2019 to 11/16/2020	In Progress		
Not Depicted	Airfield Runway Threshold Lighting	Runway threshold lighting on all runways will be upgraded to meet FAA standards.	10/01/2019 to 12/20/2019	Complete		Single-day closures of each runway to complete this work. Possible airborne holding, expanded miles-in-trail, ground stop, or ground delay program.
Not Depicted	Multiple TWYs	Multiple TWYs closed temporarily for renaming taxiways and signage.	11/04/2019 to 07/01/2020	In Progress		
B	TWY A Bridge	TWY A bridge closed for construction. TWY B closed between TWY C and TWY V. Restricted to Group III or smaller thru 12/2020. Associated TWYs B8, C6, C7 closed 2/2020 – 5/2020.	12/08/2019 to May 2021	In Progress		

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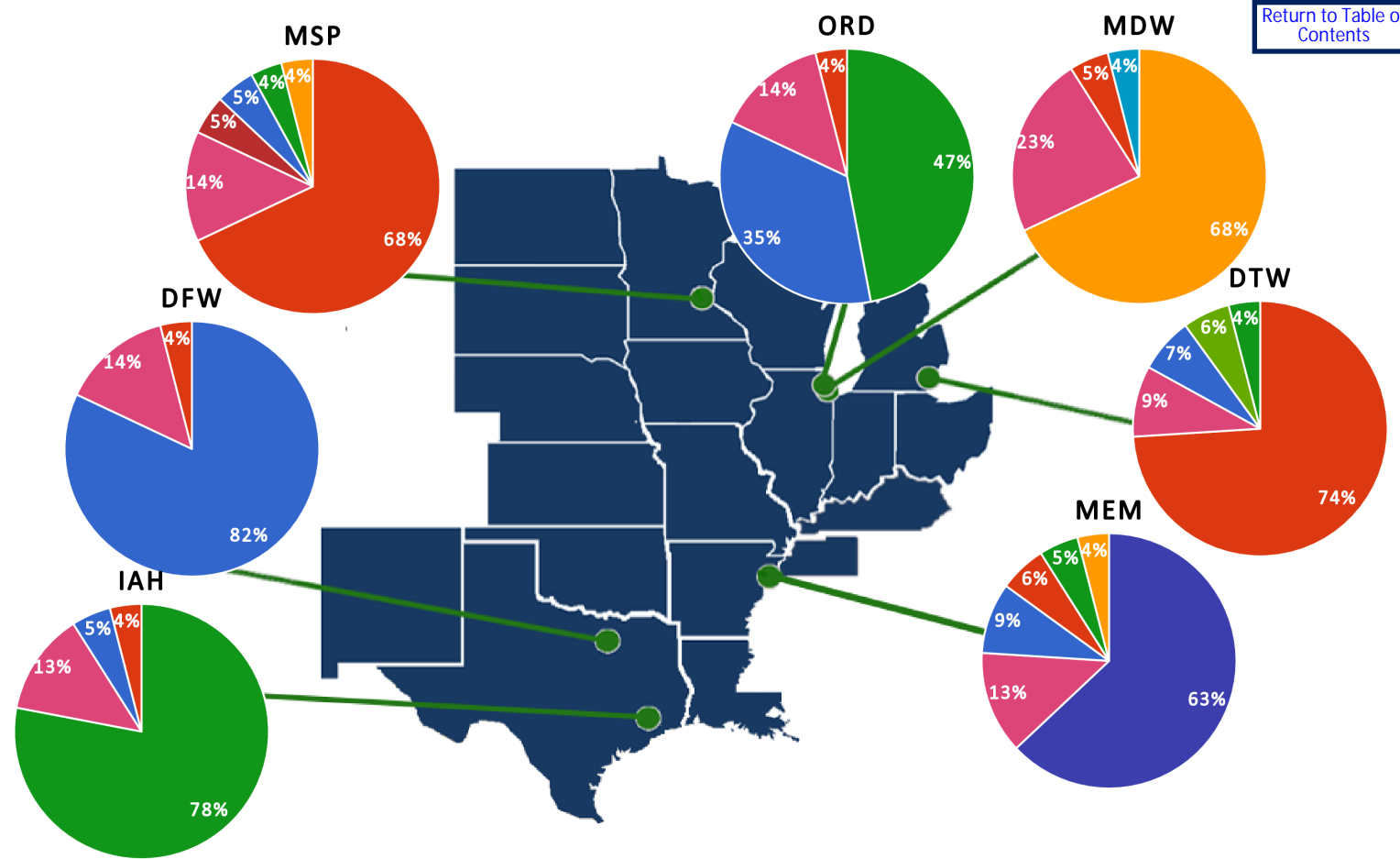
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C	TWY B																																					
Not Depicted	FY 20 runway slab replacements																																					
D	RWY 1L/19R																																					
E	RWYs 1R/19L & 10/28																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
C	TWY B	TWY B closed between TWY C and TWY V to aircraft with wingspan greater than 118 feet.	04/02/2020 to 12/31/2020	In Progress		
Not Depicted	FY 20 runway slab replacements	Multiple runway and taxiway closures for slab replacements.	06/01/2020 to 12/01/2020	In Progress		Expecting arrival and departure delays due to reduction in airport capacity. Possible arrival holding, expanded miles-in-trail, ground stops or ground delay programs.
D	RWY 1L/19R	RWY 1L/19R closed for multiple runway and RSA projects.	07/06/2020 to 08/31/2020 TBD	Upcoming		Expecting arrival and departure delays due to reduction in airport capacity. Possible arrival holding, expanded miles-in-trail, ground stops or ground delay programs.
E	RWYs 1R/19L & 10/28	RWYs 1L/19R and 10/28 closed for multiple runway and RSA projects.	09/07/2020 to Nov 2020 TBD	Upcoming		Expecting arrival and departure delays due to reduction in airport capacity. Possible arrival holding, expanded miles-in-trail, ground stops or ground delay programs.

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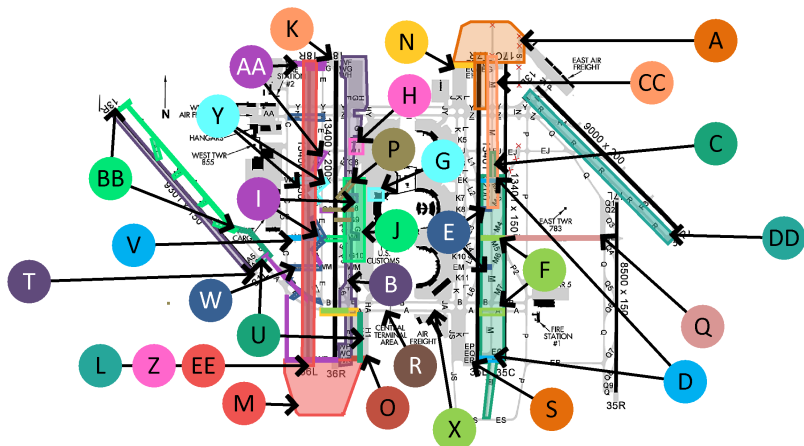
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- Spirit-NKS
- Sun Country-SCX
- United-UAL



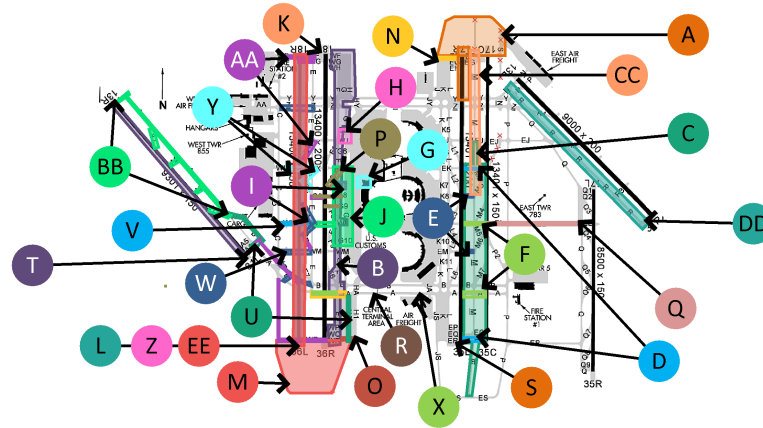
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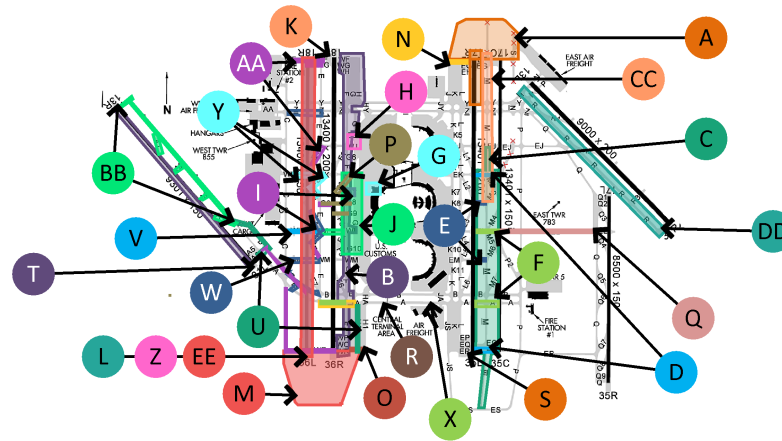


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A	Northeast End-Around Taxiway																																					
B	TWYs F & G																																					
C	TWY M South																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	Northeast End-Around Taxiway	RWYs 17C and 17R, Northeast End-Around Taxiway (EAT). Package I: Taxiway P realignment will need non-simultaneous closures of TWYs Y/N and Z/P, 5/24/18 to 10/19/2019.	05/24/2018 to 12/31/2020	In Progress		
		Package II: Includes construction of TWY N from the N1 high speed and connection to TWY M.	03/01/2020 to 12/31/2020	In Progress		
		Package III: Glycol facilities relocation near the approach end of RWY 17R.	07/09/2019 to 06/30/2020	In Progress		
B	TWYs F & G	TWY F and associated TWYs closed for rehabilitation. Includes reconstruction of TWY F shoulder. Expansion of fillets at key intersections. Includes reconstruction of portions of TWY G between TWY Z and TWY G5. Replace and expand asphalt shoulders, concrete panels, expand pavement at key intersections.	July 2019 to 01/31/2021	In Progress		Multiple access points will be left open to minimize impact. Possible increase to taxi-out/taxi-in times. Includes upgrading to LED taxiway lighting.
C	TWY M South	TWY M South closed for construction.	10/30/2019 to 10/31/2020	In Progress		Lessened access to high speed turn-offs in south flow will increase taxi-in times.

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	Project	Description of Work	Estimated Dates	Status	Impact	Notes
D	TWYs ER & EK	TWY ER closed between approach end of RWY 35C and approach end of RWY 35L. TWY EK closed between RWY 17C/35C and RWY 17R/35L.	11/01/2019 to 09/01/2020	In Progress		Part of TWY M rehab.
E	TWYs EM & K8	TWY K8 closed between RWY 17R/35L and TWY M. TWY EM closed between RWY 17R/35L and TWY M.	11/01/2019 to 09/30/2020	In Progress		
F	TWYs A & EL	TWYs A and EL closed between RWYs 17C/35C and 17R/35L.	11/01/2019 to 09/30/2020	In Progress		
G	Apron Terminal D	Apron Terminal D Ramp closed to aircraft with wingspans greater than 135 feet.	01/10/2020 to 03/01/2021	In Progress		Apron Terminal D closed between gates D6 and D10.
H	TWY G	TWY G closed between TWY G5 and WJ to aircraft with wingspans greater than 118 feet.	01/20/2020 to 06/10/2020	Complete		Part of TWY F rehabilitation, phase 12.

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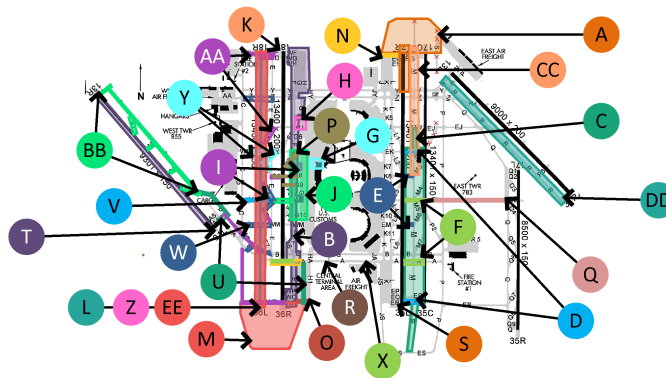
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
I	TWYs G7 & G8	TWY G7 closed between TWY F and TWY G. TWY G8 closed between TWY E and RWY 18L/36R.	01/29/2020 to 06/30/2020	In Progress	■	Part of TWY F rehabilitation phases 4-5.
J	TWYs F, F3, F4, WL	TWYs F, F3 and F4 closed between RWY 18L/36R from TWY WK to G10. TWY WL closed between TWY E and TWY G.	01/30/2020 to 06/30/2020	In Progress	■	Part of TWY F rehabilitation phases 4-5
K	RWY 18R/36L	RWY 18R/36L nightly closures in preparation for upcoming rehabilitation.	02/01/2020 to 05/31/2020	Complete	■	Preparation for full closure.
L	RWY 18R/36L Mill and Overlay	Reconstruction of keel (center) section of runway. Mill and overlay. Upgrades to drainage, electrical, and lighting systems. NAVAIDs adjustment.	03/01/2020 to 08/17/2020	In Progress	■	Preparation for full closure. RWY 18R/36L nightly closures in preparation for upcoming rehabilitation.
		RWY 18R/36L closed for rehabilitation.				
		Full closure until 4/16/21, followed by flight checks between 4/17/21 to 4/30/21.	08/18/2020 to 04/30/2021	Upcoming	■	Lowered AAR for the duration of construction will require greater use of TMI's, GDP, and MIT. Expecting TWYs A and B to reopen on 12/8/20.
		RWY 18R/36L closed for completion of rehabilitation. Closed nightly between 2300 to 0600 (as needed).	05/01/2021 to 08/30/2021	Upcoming	■	Nightly work estimated for 122 Calendar Days.








- No capacity effect

- Reduced Capacity and Delay impact

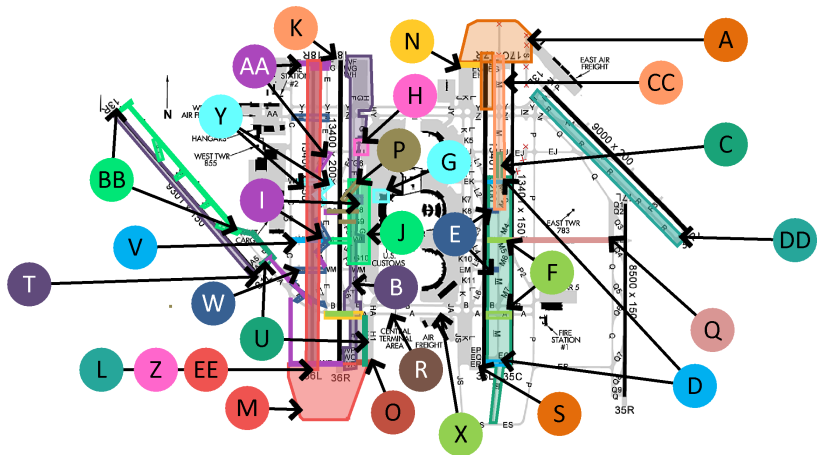
- Reduced Capacity and Greater Delay Impact

■ To be determined

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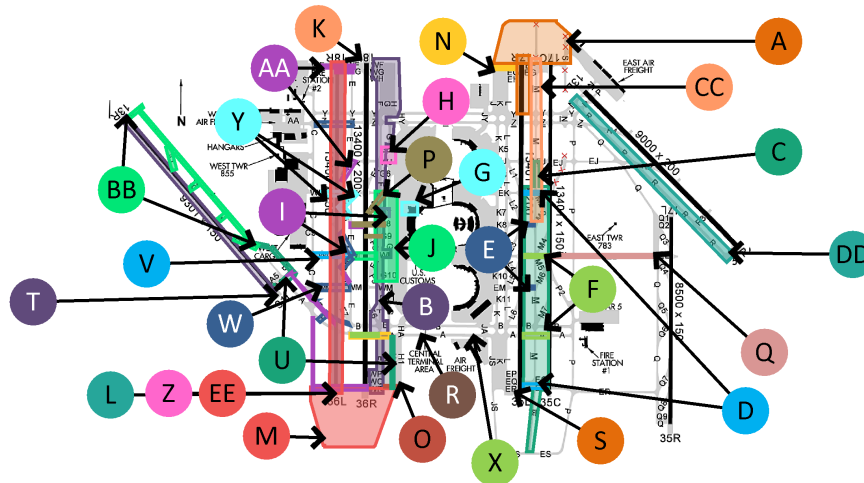
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
M	Southwest End-Around Taxiway	RWYs 36L and 36R Southwest End-Around Taxiway (EAT). Package I, 3/1/2020 to 4/30/2021.	03/01/2020 to 12/31/2023	In Progress		Possible increase to taxi-in/taxi-out times.
		Runway 36L & 36R South Section. Package II.	07/01/2021 to 09/30/2022	Upcoming		
		Southwest End-Around Taxiway (EAT). Package III.	07/01/2022 to 12/31/2023	Upcoming		
N	TWYs A, J and EF	TWYs A, J and EF closed. TWY EF closed between approach end of RWY 17R and TWY J. TWY J north 200 feet closed. TWY A closed between TWYs E and G.	04/15/2020 to 08/31/2020	In Progress		Part of Northeast End-Around Taxiway Package 3.
O	TWY WR	TWY WR closed between taxilane H1 and TWY G.	04/19/2020 to 06/30/2020	In Progress		
P	TWYs F2, G8, and G9.	TWYs F2, G8 and G9 closed between RWY 18L/36R and TWYs F and G.	05/02/2020 to 07/31/2020	In Progress		
Q	TWY EL & Q	TWY EL closed between Runway 17C/35C and TWY Q. TWY EL closed between TWYs P and Q to aircraft with wingspans greater than 118 feet. TWY P and Q restrictions from 3/17/20-6/30/20.	05/02/2020 to 06/30/2020	In Progress		

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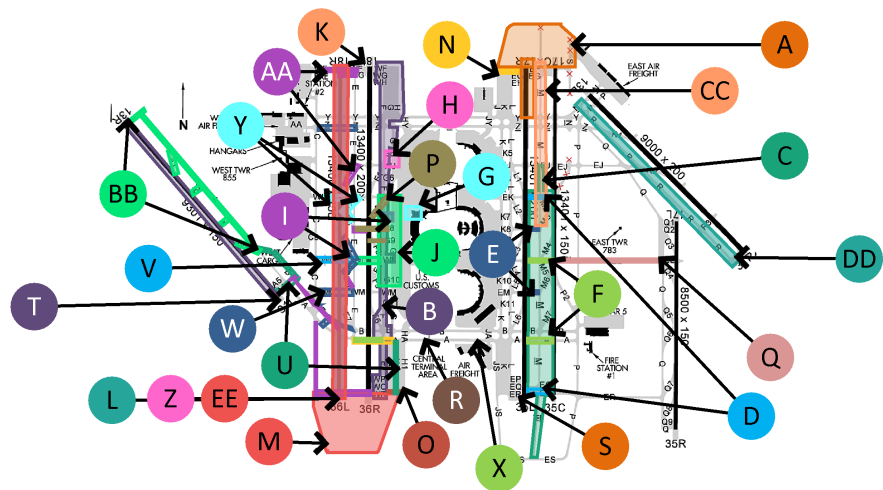
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R	TWY A Bridge																																					
S	RWY 17R/35L																																					
T	RWY 13R/31L																																					
U	Multi-Area Aircraft Parking																																					
V	TWY WL																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
R	TWY A Bridge	TWY A bridge repairs (East bridge).	05/04/2020 to 06/14/2020	Complete		
S	RWY 17R/35L	RWY 17R/35L partially closed	05/04/2020 to 07/18/2020	In Progress		Work is limited to the north end of the runway. Runway is usable from Y and Z southward.
T	RWY 13R/31L	RWY 13R/31L closed.	05/04/2020 to 06/30/2020	In Progress		No operational impact. Runway can be recalled.
U	Multi-Area Aircraft Parking	Multi-area aircraft parking.	05/05/2020 to 06/30/2020	In Progress		TWYs A, A6, B, and HS and P will be closed for aircraft parking.
V	TWY WL	TWY WL closed between RWY 18R/36L and TWY E and TWY C.	05/18/2020 to 03/31/2021	In Progress		

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	Project	Description of Work	Estimated Dates	Status	Impact	Notes
W	Multi TWYs	TWY B closed between RWY 18R/36L and TWY C and TWY E. TWY D closed between TWY A and TWY B. TWY WM closed between TWY C TWY E. TWYs E4 and E5 closed between RWY 18R/36L and TWY E. TWY Z closed between TWY C and E.	05/18/2020 to 10/31/2020	In Progress	<div></div>	
X	TWY A	TWY A closed between TWYs G and E.	05/22/2020 to 08/31/2020	In Progress	<div></div>	
Y	TWYs E2, E3 and WK	TWY WK closed between TWY C and TWY E. TWYs E2 and E3 closed.	05/27/2020 to 12/31/2020	In Progress	<div></div>	

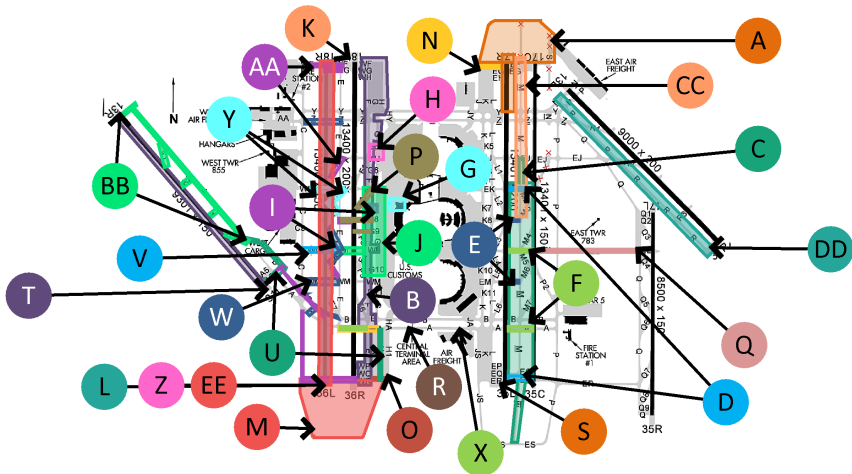
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Z	RWY 18R/36L Rehab																																					
AA	TWYs B, C, WR, WF, WG, E1 and E6																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
Z	RWY 18R/36L Rehab	RWY 18R/36L closed for rehabilitation.	06/01/2020 to 02/28/2021	In Progress	■	Lowered AAR for the duration of construction will require greater use of TMIs, GDP, and MIT. Expecting TWYs A and B to reopen before runway completion date.
AA	TWYs B, C, WR, WF, WG, E1 and E6	Multiple TWY closures. TWY B closed between TWY A6 and TWY D. TWY C closed between TWY A and approach end of RWY 36R. TWY WF closed between UPS RAMP and TWY E. TWY WG closed between RWY 18R/36L and TWY E. TWYs E1 and E6 closed.	06/01/2020 to 02/28/2021	In Progress	■	

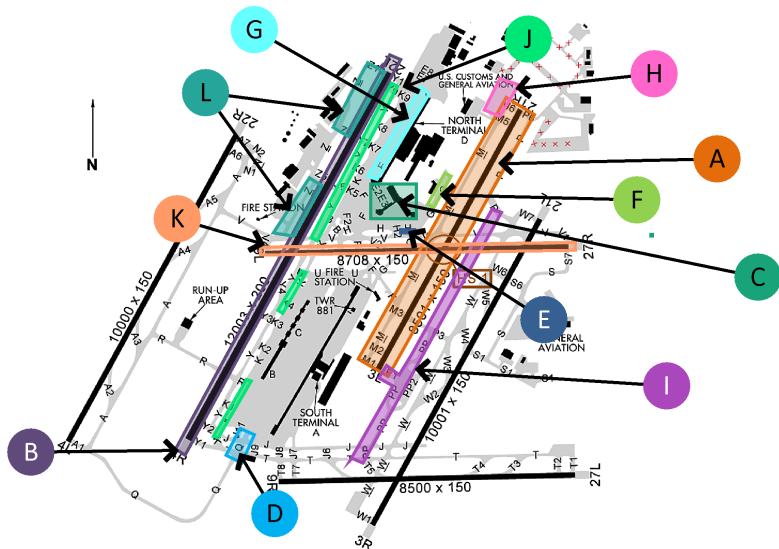
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BB	TWYs A, A1,A2, A3, A4																																					
CC	TWY M North																																					
DD	TWY R																																					
EE	RWY 18R/36L Rehab Completion																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
BB	TWYs A, A1,A2, A3, A4	TWY A, A1, A2, A3, closed between the approach end of Runway 13R and TWY A4.	06/03/2020 to 07/31/2020	In Progress	■	
CC	TWY M North	TWY M North closed for construction. Package II.	01/01/2021 to 06/30/2021	Upcoming	■	Lessened access to high speed turn-offs in North flow.
DD	TWY R	TWY R closed for rehabilitation and electrical improvements.	01/01/2021 to 06/30/2021	Upcoming	■	
EE	RWY 18R/36L Rehab Completion	RWY 18R/36L closed for completion of rehabilitation. Closed nightly between 2300 to 0600 (as needed).	03/01/2021 to 06/30/2021	Upcoming	■	Nightly work estimated for 122 Calendar Days.

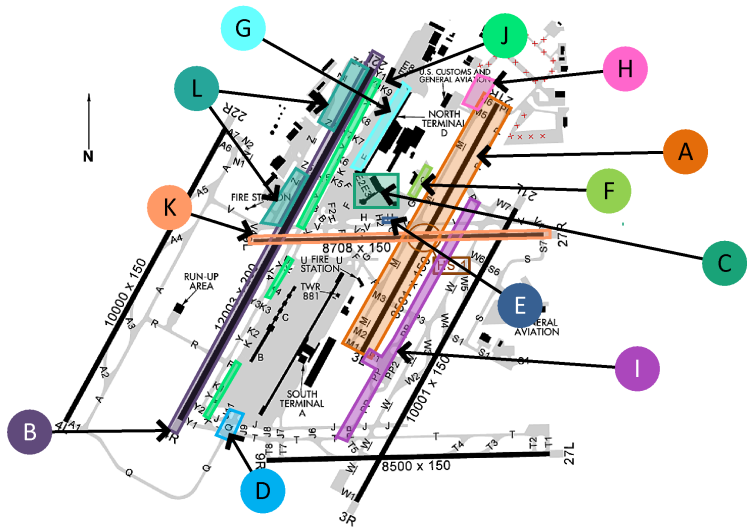
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A	RWY 3L/21R and TWY M																																					
B	RWY 4R/22L																																					
C	Centralized Deicing Facility (CDF)																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	RWY 3L/21R and TWY M	Taxiway will be closed for rehabilitation and construction.	04/01/2020 to 09/16/2020	In Progress		Project has been divided up into multiple phases to allow for crossings to be maintained to facilitate ground movement of aircraft from RWY 3R/21L and tenant locations.
		Taxiways will be closed for rehabilitation and construction.	04/01/2020 to 09/16/2020	In Progress		Project has been divided up into multiple phases to allow for crossings to be maintained to facilitate ground movement of aircraft from Runway 3R/21L and tenant locations.
B	RWY 4R/22L	The planned closure of RWY 4R/22L will give DTW a max rate of 86. The triple arrival configuration will be unavailable during this time.	04/01/2020 to 06/19/2020	In Progress		
C	Centralized Deicing Facility (CDF)	New deicing facility and RON parking will be constructed. Work location is north of TWY H, west of TWY G, east of TWY K.	04/01/2020 to 11/02/2020	In Progress		Project is in non-movement area and is phased to minimize disruption to adjacent deicing facilities. Project will impact the number of RON parking positions and three or four gates at the south end of the North Terminal.

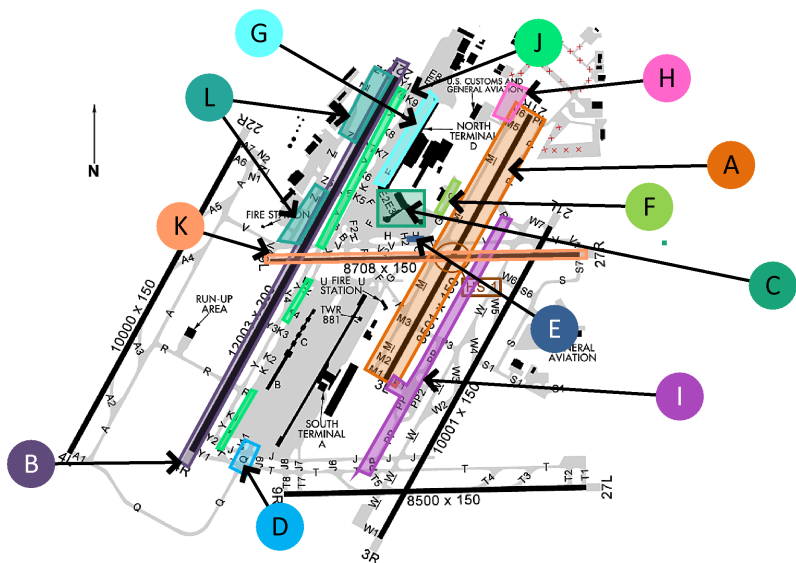
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D	McNamara Apron Rehabilitation																																					
E	TWY H																																					
F	Apron Taxilane G																																					
G	North Terminal Expansion																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
D	McNamara Apron Rehabilitation	Apron around the south terminal (McNamara) will be rehabilitated. May include Phase 1 of Taxilanes U9 and Q rehabilitation.	04/01/2020 to 11/15/2021	In Progress		Project is in non-movement area and will be broken into phases. Project is not expected to have much impact on ground movement.
E	TWY H	TWY H closed between TWY G and H2.	04/01/2020 to 07/31/2020	In Progress		
F	Apron Taxilane G	Apron Taxilane G closed.	04/01/2020 to 08/31/2020	In Progress		
G	North Terminal Expansion	North Terminal Apron rehabilitation in the vicinity of Taxilane E7 and E8.	04/15/2023 to 07/30/2023	Upcoming		Project is in non-movement area. Minimal impact to aircraft ground movement is expected. Project scope was expanded and will continue into 2023 and included non-movement areas of Taxilane K.
		North Terminal gate expansion (three gates), Apron rehabilitation, and return overnight (RON) parking.	04/15/2020 to 07/30/2020	In Progress		Project is in non-movement area, minimal impact to aircraft ground movement is expected. Project scope was expanded and will continue into 2020 and included non-movement areas of taxilane K.

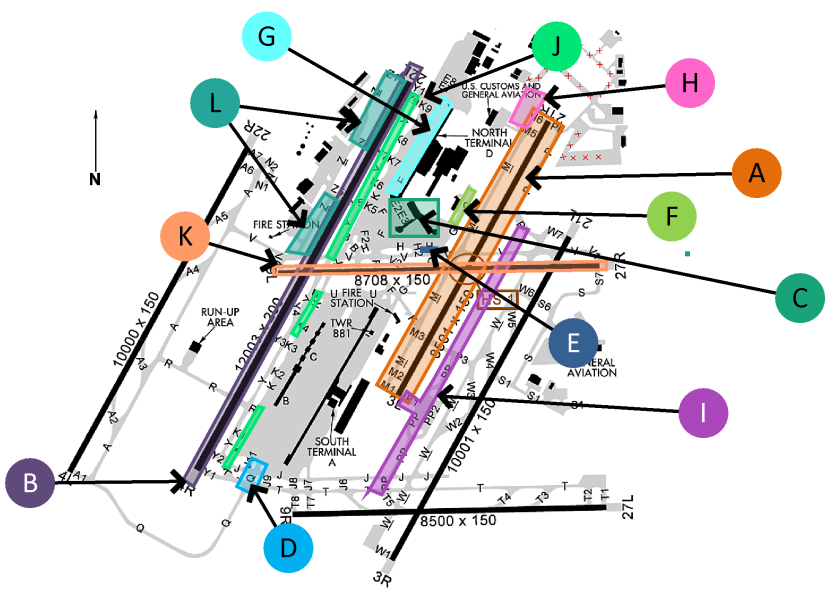
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H	Runway 21R Deicing Pad Removal																																					
I	TWYs P & PP																																					
J	TWYs K and Y Rehabilitation																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
H	Runway 21R Deicing Pad Removal	RWY 21R deicing pad will be removed and a new taxiway hold bay created.	06/01/2020 to 09/10/2020	In Progress	■	Project will demolish RWY 21R deicing pad and construct a hold bay. RWY 3L/21R will remain open during construction.
I	TWYs P & PP	TWY PP will be reconstructed from TWY T to TWY P3. TWY P will be extended from TWY P3 to the north to connect with TWY P north of TWY V. The remaining portion of TWY P will be reconstructed and will be decoupled from TWY W.	06/05/2020 to 09/16/2020	In Progress	■	Multi-phased project to allow for crossings to be maintained and facilitate ground movement of aircraft from RWY 3R/21L and tenant locations.
J	TWYs K and Y Rehabilitation	Rehabilitate TWY Y between TWY Y9 and TWY V. Rehabilitate TWY K between TWY Y2 and TWY R and TWY K between TWY Y4 and TWY U.	07/01/2020 to 11/15/2020	Upcoming	■	Project is in movement area and will be broken up into phases to minimize impact to aircraft ground movement. It is not anticipated to require closure of RWY 4R/22L.
		TWYs K and Y closed for rehabilitation and reconstruction.	04/01/2021 to 11/15/2021	Upcoming	■	Project is in movement area and will be broken up into phases to minimize impact to aircraft ground movement. It is not anticipated to require closure of RWY 4R/22L. Most work will occur in 2021.

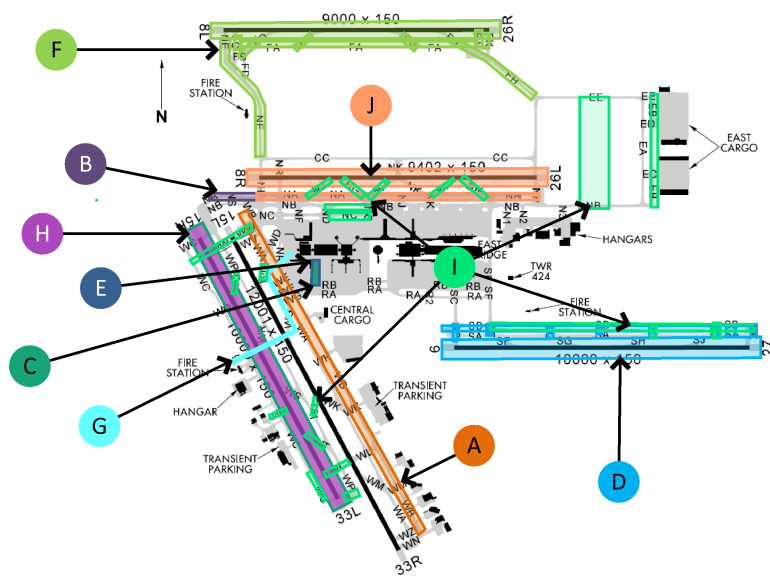
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K	RWY 9L/27R																																					
L	TWY Z																																					

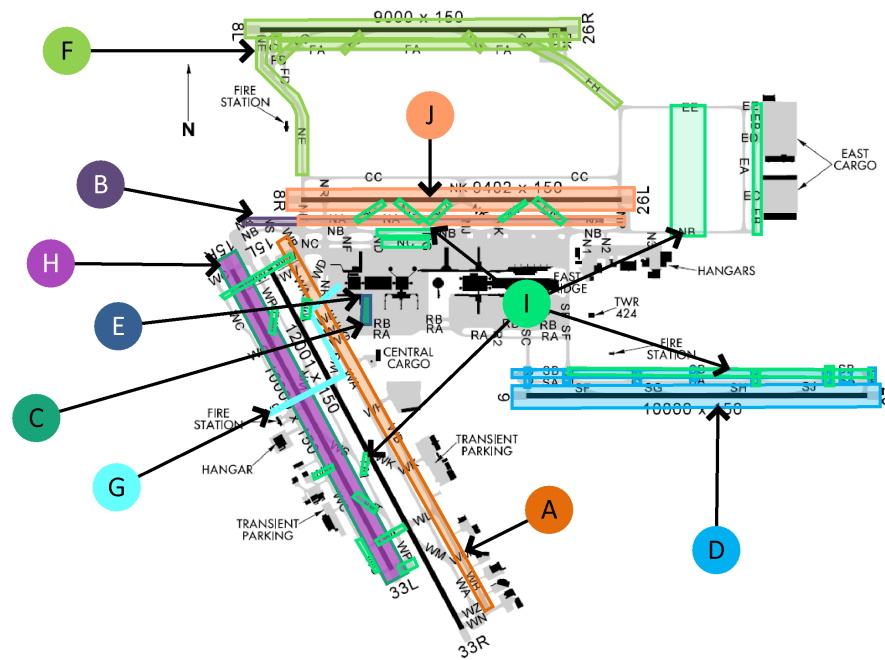
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
K	RWY 9L/27R	Runway will be closed so that TWY P can be constructed to cross RWY 9L/27R. Runway closed except for taxiing between TWYs Y and G.	07/07/2020 to 12/31/2020	Upcoming		RWY 9L/27R is the primary departure runway during crosswind conditions (<3% of the time). Phasing has been scheduled outside of the crosswind season to minimize potential need for use.
L	TWY Z	TWY Z relocation between TWY V and TWY Z5, and rehabilitation of pavement section between Z7 and Z10.	04/01/2022 to 11/15/2022	Upcoming		Taxiway Z will be relocated out to standard separation.




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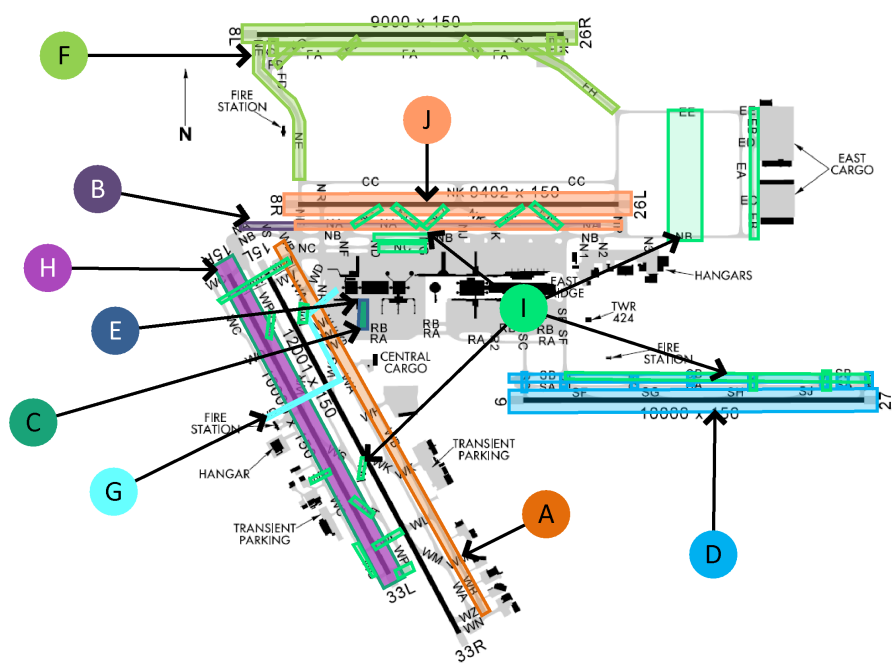
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A	TWY WB																																					
B	TWY NA																																					
C	Taxilane RC																																					
D	RWY 9/27																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	TWY WB	Complete reconstruction of TWY WB.	Jan 2020 TBD to 12/03/2021	In Progress		Phased closures in effect..
		Complete reconstruction of Taxiway WB.	Jan 2020 TBD to 12/03/2021	In Progress		Phased closures in effect.
B	TWY NA	TWY NA phased closures in conjunction for widening to accommodate ADG VI aircraft.	2020 TBD to 2021 TBD	Upcoming		Expecting project to start late 2020 or early 2021. Runway 8R/26L will be closed at some point during this project for tie-in taxiways and lighting.
C	Taxilane RC	Apron Taxilane RC closed between gate A19 and A20 daily 0300-1200.	03/09/2020 to 10/31/2020	In Progress		
D	RWY 9/27	RWY 9/27 and adjacent taxiways closed for maintenance. Continuous closure - 21 days	04/10/2020 to 04/30/2020	Complete		*No capacity effect due to COVID-19. RWY 9/27 is a primary arrival runway. Arrival rate will be reduced to a 68-64 (VMC/IMC). Up to 45 minute delays during closure due to limited airport RWY capacity.



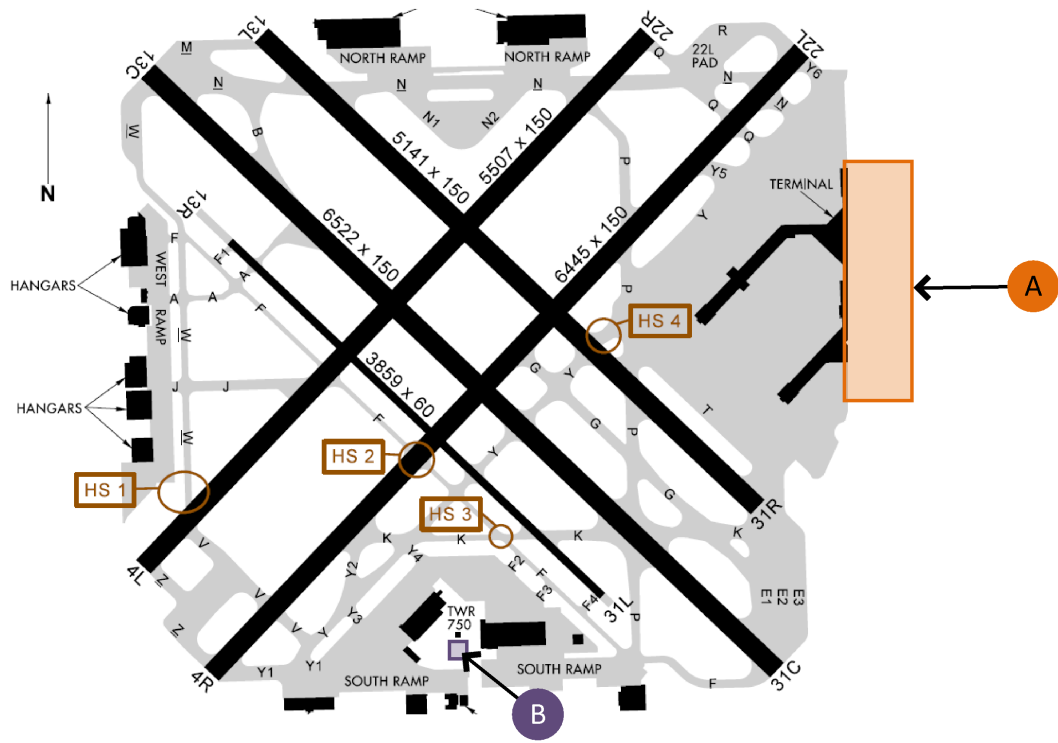
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
E	Terminal A Apron Areas	Apron Terminal Alpha South ramp and Apron Taxilane RC closed to aircraft with wingspans greater than 118 feet.	04/14/2020 to 08/31/2020	In Progress		
F	RWY 8L/26R & TWYs	RWY 8L/26R and associated TWYs closed for maintenance. Continuous closure - 21 days	04/30/2020 to 06/02/2020	Complete		*No capacity effect due to COVID-19. RWY 8L/26R is a primary arrival runway. Arrival rate will be reduced to a 68-64 (VMC/IMC). Possible delays up to 45 minutes.
G	Airport Sanitary Sewer Mains	Rehabilitation of sewer line from Terminal A Southbound, then West of Taxilane (TWY) WC.	05/01/2020 to Spring 2021 TBD	In Progress		Estimated project duration 419 days. Will affect Runway 15L/15R for nightly closures.

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		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
H	RWY 15R/33L Aircraft Parking																																					
I	TWYs Aircraft Parking																																					
J	RWY 8R/26L & TWYs																																					

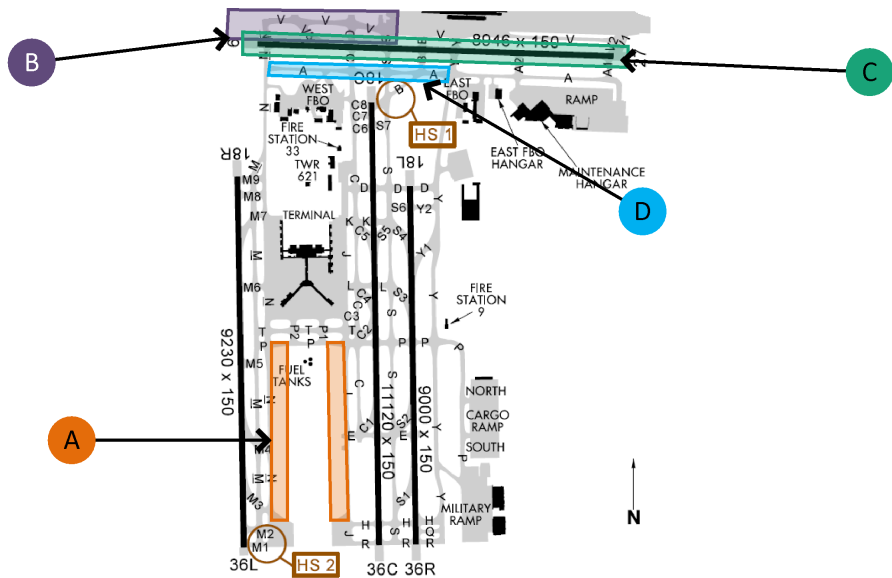
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
H	RWY 15R/33L Aircraft Parking	Due to the temporary reduction in flying caused by COVID-19, Runway 15R will be closed to park or stage inactive aircraft. All NAVAIDS for the associated runway will be deactivated.	05/11/2020 to 08/15/2020	In Progress	No capacity effect	Closures for long term parked aircraft.
I	TWYs Aircraft Parking	Multiple taxiways used for aircraft parking.	05/12/2020 to 08/15/2020	In Progress	No capacity effect	
J	RWY 8R/26L & TWYs	RWY 8R/26L and associated TWYs closed for maintenance. Continuous closure - 21 days	06/03/2020 to 07/04/2020	In Progress	No capacity effect	*No capacity effect due to COVID-19. Runway 8R/26L is a primary arrival runway. Arrival rate will be reduced to a 68-64 (VMC/IMC). Possible 45 minute delays.



		2020										2021										2022										2023					
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR
A	Terminal Parking Garage																																				
B	RTR Relocation																																				

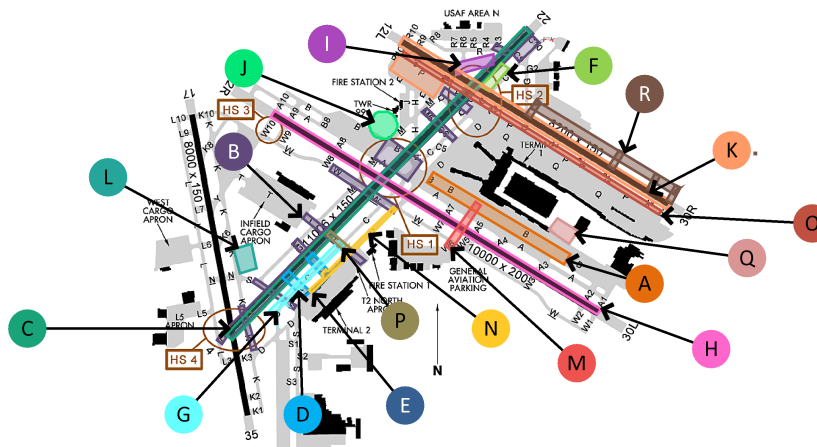
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	Terminal Parking Garage	Expansion of the existing terminal parking structure.	01/01/2018 to 08/14/2020 TBD	In Progress		This project should have minimal impact. During occasional weather periods the RNAV 22L approach may have increased minimums.
B	RTR Relocation	Remote Transmitter Receiver (RTR) to be relocated from existing location to existing GA Apron. Moving RTR from middle of the airfield to the southwest corner of the airfield. Soil borings remain TBD. Estimated commissioning is Summer 2021. Schedule impacted by the maintenance alert extended to June 12, 2020.	2020 TBD to 07/01/2021	Upcoming		Project will be scheduled for limited impact. Main transmitters replaced and preliminary antenna grounding completed 2/12/2020. Next phase to replace standby transmitters scheduled for 3/10/2020.

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		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
A	TWYs N & J Deicing Pad																																					
B	Ramp Area																																					
C	RWY 9/27 Status Lights																																					
D	TWY A																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	TWYs N & J Deicing Pad	TWYs N and J, deicing (glycol collection) pad between RWYs 36L and 36C. Phase 1 began September 2017, Phase 2 set to begin Summer 2020.	September 2017 to August 2022	In Progress	■	Area affects approaches during CAT 2/3 conditions. Airport will lower crane(s) when anticipating CAT 2/3 conditions to mitigate impact. However, some CAT 2/3 conditions may still add impact.
B	Ramp Area	Fed Ex ramp western area expansion.	02/01/2019 to 11/30/2020	In Progress	■	Sub projects associated with this operation expected to fluidly affect taxi operations. Crane operations planned.
C	RWY 9/27 Status Lights	Runway 9/27 runway status lights (RWSL) system will be installed.	2021 TBD	Upcoming	■	Construction dates are TBD. Impact level will be changed if there is any effect on capacity or delays.
D	TWY A	TWY A (West) full-depth reconstruction of approx. 4,125 ft. Includes demolition, grading, drainage, airfield signage, markings, and electrical lighting. Duration 4 months.	Summer 2022	Upcoming	■	Preconstruction meeting with airport authorities and discussion included construction dates and potential impacts. Construction will be done in sections. Impact level will be changed if there is any effect on capacity or delays.



		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
A	TWY B																																					
B	RWY 4/22 & TWYs																																					
C	RWY 4/22																																					
D	TWYs C1 and C2																																					
E	TWY D Restricted																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	TWY B	Adding Centerline Lighting for Taxiway B.	04/06/2020 to 10/15/2020	In Progress		Work to be completed on overnights.
		Adding Centerline Lighting for Taxiway Q.	05/07/2019 to 11/29/2019	Complete		Work to be completed on overnights.
B	RWY 4/22 & TWYs	Runway and taxiways closed for LED lighting upgrades.	04/01/2020 to 11/30/2020	In Progress		Limited operational impact is anticipated. During nighttime operations, the runway will not be available for taxi.
C	RWY 4/22	Runway 4/22 closed except for crossing.	04/01/2020 to 10/31/2020	In Progress		
D	TWYs C1 and C2	TWYs C1 and C2 closed.	04/30/2020 to 09/04/2020	In Progress		
E	TWY D Restricted	Taxiway D abeam closed gate H6 to H11 to aircraft with wingspans greater than 118 feet.	04/30/2020 to 06/30/2020	In Progress		

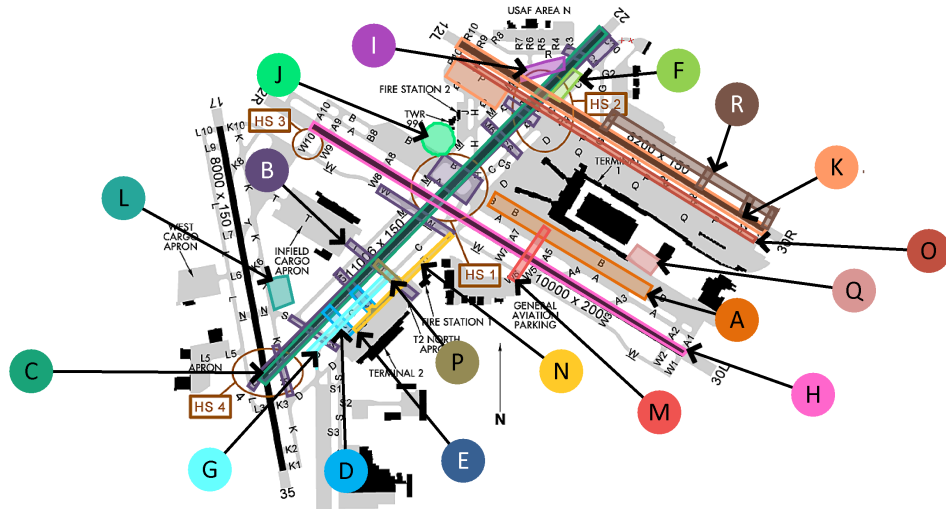
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Reduced Capacity and Delay impact

Reduced Capacity and Greater Delay Impact

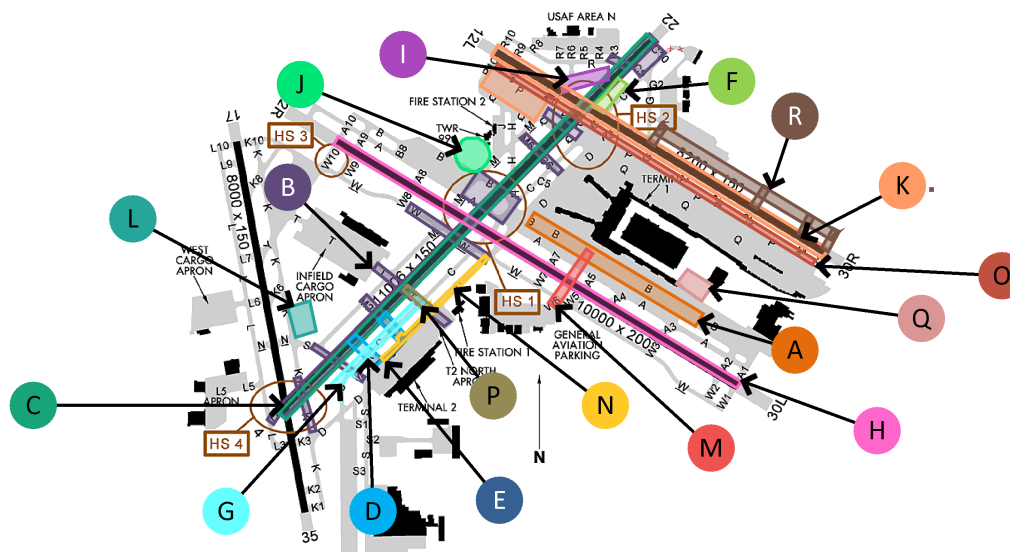
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F	Miscellaneous Airfield Construction																																					
G	TWY C																																					
H	Runway 12R/30L LED Lighting Upgrades																																					
I	Sanitary Sewer Replacement TWY R																																					
J	New ARFF Station																																					

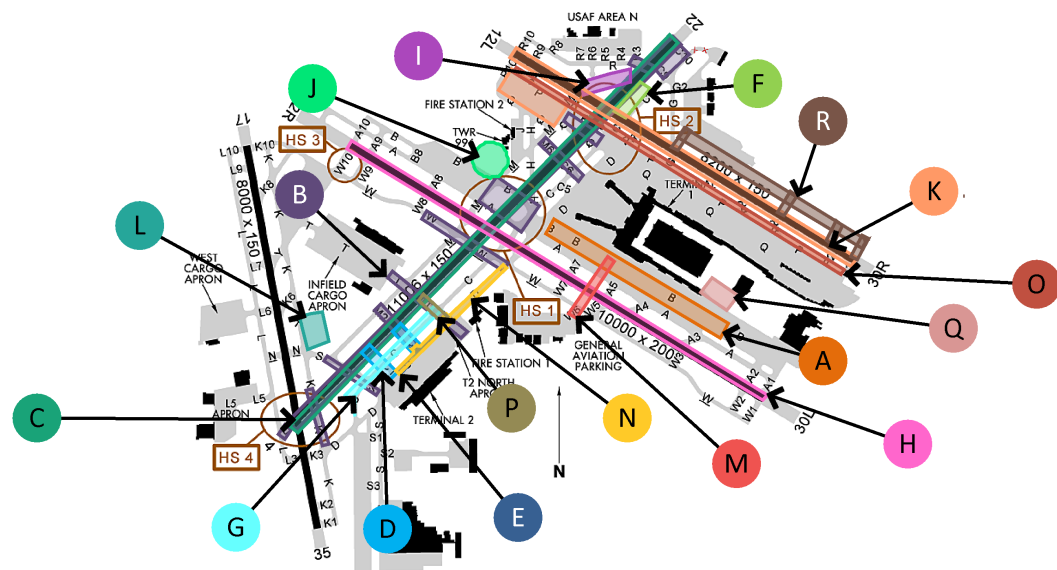
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
F	Miscellaneous Airfield Construction	Grading and drainage improvements to Runway Safety Areas (RSAs), airfield pavement marking modifications, and electrical upgrades to airfield signs and runway guard lights.	05/01/2020 to 12/31/2020	In Progress	■	
G	TWY C	Taxiway C closed between TWY D and TWY T.	05/01/2020 to 06/30/2020	In Progress	■	
H	Runway 12R/30L LED Lighting Upgrades	LED Lighting Upgrades will occur for RWY 12R/30L.	May 2020 to October 2020	In Progress	■	Limited operational impact is anticipated. Overnight construction.
I	Sanitary Sewer Replacement TWY R	Relocate the sanitary sewer between Taxiway R and the USAF apron area.	June 2020 to October 2020	In Progress	■	The project will require replacement of portions of the apron pavement and connecting taxiways.
J	New ARFF Station	Relocation and construction of Airport Rescue and Fire Fighting (ARFF) station-2nd.	June 2020 to September 2020	In Progress	■	Dates are tentative. Airspace impacts are currently being analyzed by FAA LOBs. Expecting crane impacts.



		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
K	RWY 12L/30R and TWYs P & Q LED Lighting Upgrade																																					
L	Glycol Tanks Repair																																					
M	RWY 12R/30L Tunnel Storm Sewer																																					
N	TWY D																																					

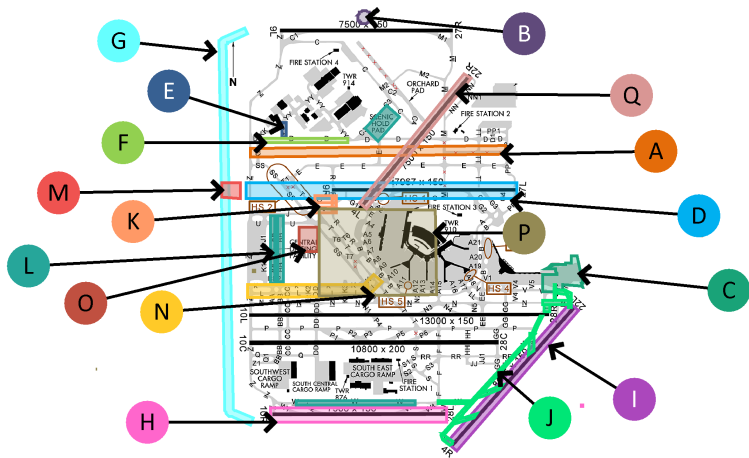
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
K	RWY 12L/30R and TWYs P & Q LED Lighting Upgrade	Runway Edge Lights, Centerline lights, and touchdown zone lights to be replaced with LED lights on RWY 12L/30R. Taxiway edge lights will be replaced with LED lights on TWY P and a portion of the West end of TWY Q.	Jun 2020 TBD to Oct 2020 TBD	In Progress	■	
L	Glycol Tanks Repair	Repair of leaking construction joints and cracks in the glycol tanks.	07/01/2020 to 08/01/2020	Upcoming	■	
M	RWY 12R/30L Tunnel Storm Sewer	Replacing storm sewer main inside the existing RWY 12R/30L vehicular tunnel.	07/01/2020 to 10/01/2020	Upcoming	■	
N	TWY D	TWY D closed for reconstruction. Reconstruction of a portion of TWY D between TWY W and Connector C1.	July 2020 to October 2020	Upcoming	■	Multi-phased project. Limited taxi restrictions on ADG III and IV aircraft.

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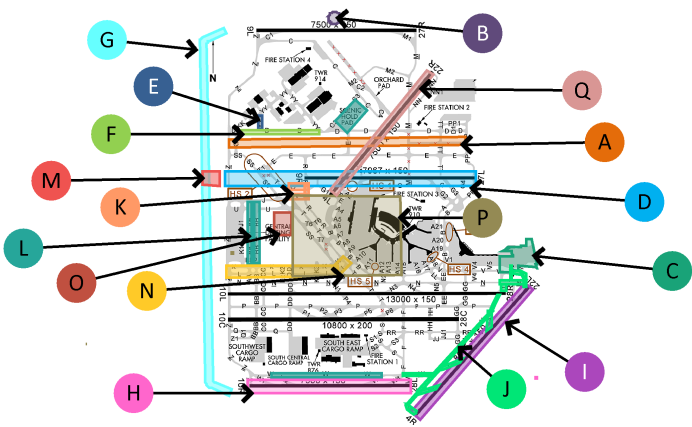
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O	TWY P Reconstruction																																					
P	TWY T Centerline lights																																					
Q	Terminal 1 Apron Pavement Reconstruction																																					
R	Parallel TWY North of 30R																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
O	TWY P Reconstruction	Taxiway P to be reconstructed in 2021.	2021 TBD	Upcoming	■	
P	TWY T Centerline lights	Taxiway T centerline lights to be replaced in 2021.	2021	Upcoming	■	
Q	Terminal 1 Apron Pavement Reconstruction	Terminal 1 apron will be reconstructed tentatively scheduled to begin in 2022.	2022 TBD to 2027 TBD	Upcoming	■	
R	Parallel TWY North of 30R	RWY 30R parallel taxiway construction.	2023 TBD to 2025 TBD	Upcoming	■	Construction of a parallel Taxiway on north side of 30R from approach end to Taxiway G.



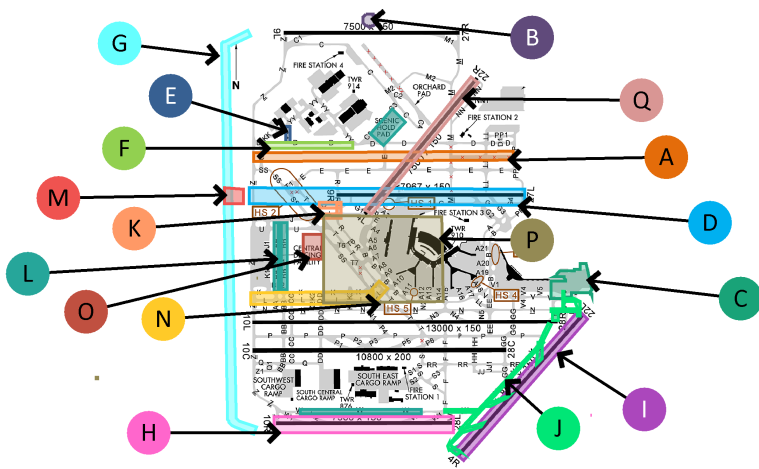
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A	RWY 9C/27C																																					
B	North ASDE																																					
C	Terminal 5 M Extension																																					
D	RWY 9R/27L																																					

Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	RWY 9C/27C New center runway construction (11,245 ft. long x 200 ft. wide). RWY 9R/27L glideslope outage during IMC conditions lowers airport to a 76 AAR.	05/01/2017 to 11/05/2020 TBD	In Progress		Expected commissioning date is 11/5/2020. RWY 9R ILS currently in-service for Cat I approaches. Impact level may change due to weather. Delays during IMC conditions are expected and weather below 500-1/2. GDPs, MIT, airborne holding, and arrival delays of up to 60 minutes possible.
B	North ASDE Construction of a new North ASDE SMR (airport surface detection radar antenna) site.	06/18/2018 to 08/27/2020	In Progress		Construction completion and commissioning date tentatively scheduled for 8/27/2020.
C	Terminal 5 M Extension Demolition of existing airside and landside facilities. New airside apron and TWY improvements.	January 2019 to July 2022	In Progress		Expecting RWY and TWY closures including RWY 4R/22L, 10L/28R, and 10C/28C. Runway closures primarily during midnight operations.
D	RWY 9R/27L RWY 9R will be extended approximately 3,000 feet to the west. RWY 27L will be shortened approximately 300 feet to the west.	03/01/2019 to 12/02/2021	In Progress		Multi-phased construction during three seasons (2019, 2020, & 2021). After commissioning, the runway will only be available for departures and RNAV approaches. CAT I is anticipated in 2022 and CAT II/III in 2023. Work during 2020 season may necessitate a temporary 9R GS outage resulting in higher minimums.



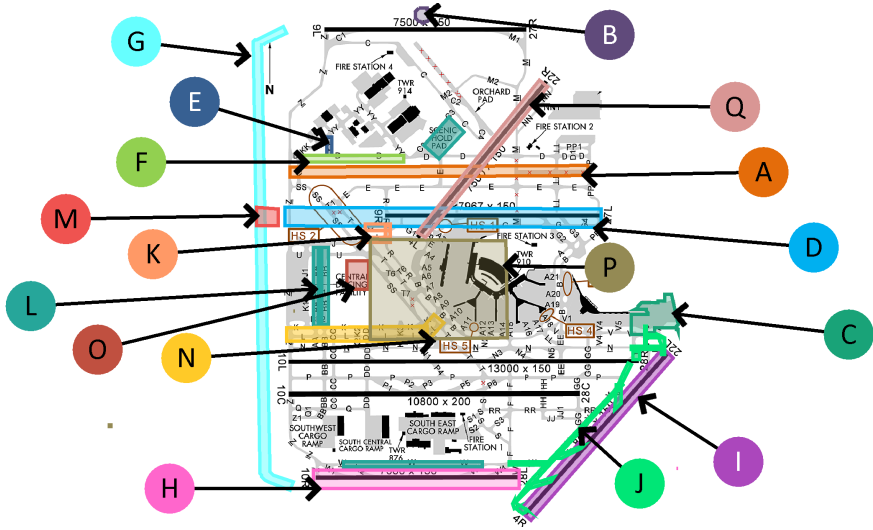
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E	TWY YY1																																					
F	TWY D																																					
G	Western toll-way bypass																																					
H	RWY 10R/28L- aircraft parking																																					
I	RWY 4R/22L Rehabilitation																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
E	TWY YY1	Taxiway YY1 closed.	01/07/2020 to 05/15/2020	Complete		
F	TWY D	TWY D closed between TWY KK and TWY C3.	01/07/2020 to 08/31/2020	In Progress		TWY D open between TWYs KK and YY2.
G	Western toll-way bypass	Tollway construction along the western airport boundary from Interstate 90 to the north, along S.R.19 connecting to Interstate 294 to the south. Proposed roadway runs adjacent to the east of the York Road and UPRR corridor with an interchange connecting to Interstate 390 to the connecting to the west.	2020 TBD to 2023 TBD	Upcoming		Construction is currently on hold. During construction, cranes will impact approach minimums by increasing decision height (DH).
H	RWY 10R/28L- aircraft parking	RWY 10R/28L closed for additional parking space along the adjacent taxiways and the runway itself.	03/29/2020 to 07/31/2020	In Progress		There is no expected impact as the system demand can be serviced by other available runways. RWY 10R/28L is not recallable.
I	RWY 4R/22L Rehabilitation	RWY 4R/22L closed for rehabilitation.	05/18/2020 to 09/12/2020	In Progress		During 5/18/20-7/11/20, the runway will be closed. From 7/12/20-9/12/20, the closures will occur primarily during the nighttime hours.



		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
J	TWYs W, Y, Y1, Y2, Y3, Y4, Y5																																					
K	TWYs G, J and T																																					
L	TWYs Aircraft Parking																																					
M	RWY 9R Glideslope																																					
N	Core TWY Reconstruction																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
J	TWYs W, Y, Y1, Y2, Y3, Y4, Y5	Taxiways W, Y, Y1, Y2, Y3 Y4 and Y5 closed.	05/18/2020 to 07/18/2020	In Progress		
K	TWYs G, J and T	Taxiways G, J, T closed.	06/01/2020 to 10/31/2020	In Progress		
L	TWYs Aircraft Parking	Multiple taxiways closed for aircraft parking.	06/03/2020 to 07/31/2020	In Progress		
M	RWY 9R Glideslope	RWY 9R Glideslope is required to be removed from service due to construction associated with the runway extension.	06/15/2020 to 08/16/2020	In Progress		
N	Core TWY Reconstruction	Reconstructing TWYs K and L into TWYs A and B.	Jul 2020 TBD to 2022 TBD	Upcoming		Alternate taxi routes to be utilized during multi-phase construction plan



		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
N	Core TWY Reconstruction																																					
O	FAA Facilities Relocation																																					
P	Terminal Area Plan (TAP)																																					
Q	Relocation of 22R LOC and LDA																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
N	Core TWY Reconstruction	Reconstructing TWYs K and L into TWYs A and B.	Jul 2020 TBD to 2022 TBD	Upcoming	■	Alternate taxi routes to be utilized during multi-phase construction plan
O	FAA Facilities Relocation	Relocation of FAA facilities: Remote Transmitter Receiver (RTR)-U, Low Level Wind Shear Alert System (LLWAS)-16, Airport Surface Detection Equipment, Model X (ASDE-X), and Fixed Target Reflector (FTR).	Q4 2020 to Q3 2022	Upcoming	■	
P	Terminal Area Plan (TAP)	Terminal areas redevelopment and construction.	2021 TBD to 2028 TBD	Upcoming	■	Multi-year phased projects. Taxiway closures may change taxi routes and increase taxi in/out times during construction. Total Airport and Airspace Modeling (TAAM) in process for Environmental Assessment.
Q	Relocation of 22R LOC and LDA	Relocation of RWY 22R LOC and LDA for 22R arrivals.	April 2021 to 06/17/2021	Upcoming	■	Airport Sponsor has requested 4L/22R to be unidirectional. Runway 4L will be available for departures only. Runway 22R will be available for arrivals only. Change should take place within the next few months.

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Key:

Alaska-ASA

Allegiant-AAY

American-AAL

Delta-DAL

Frontier-FFT

Hawaiian-HAL

KDS

Mokulele-MHO

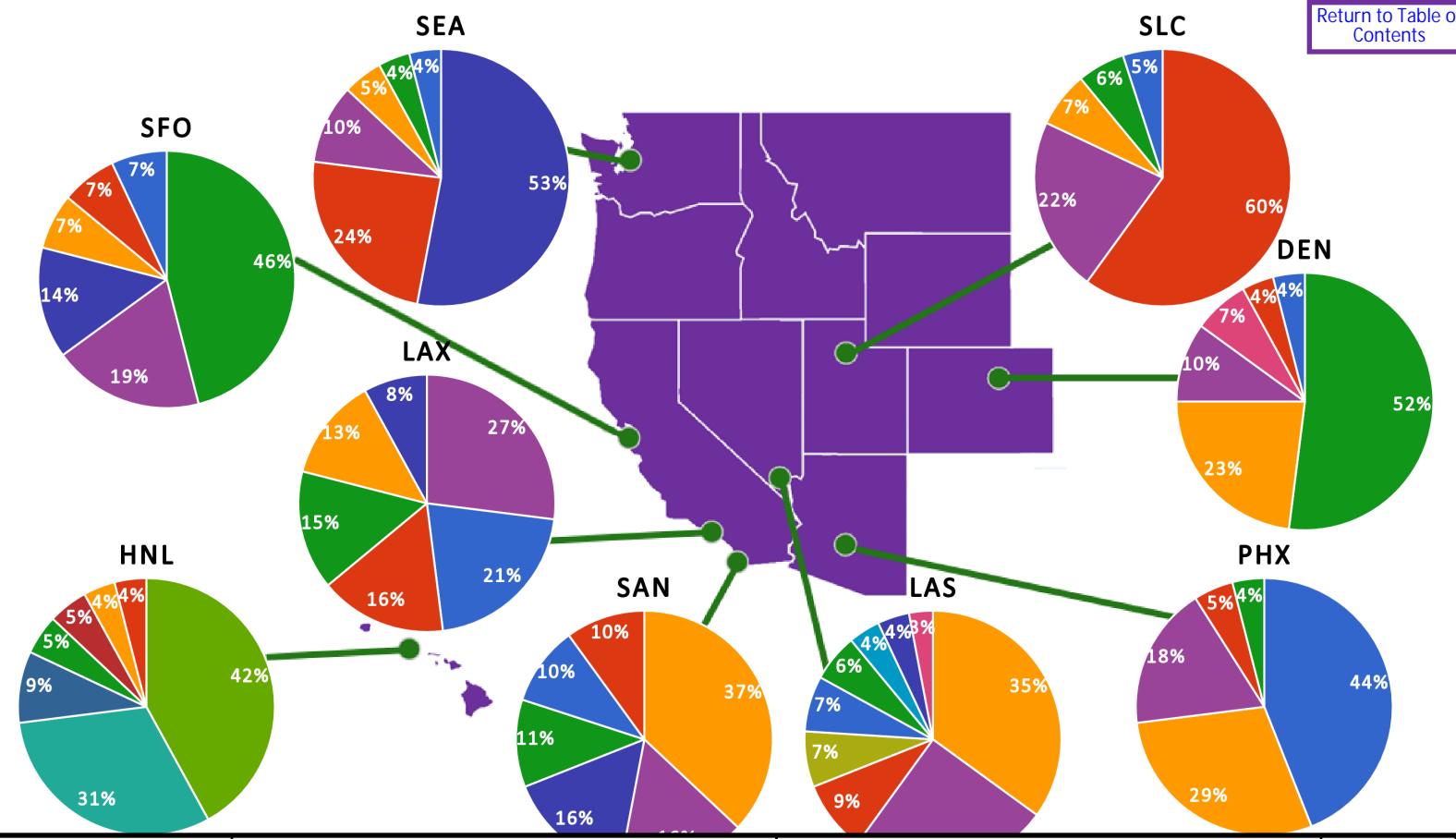
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Other*less than 4%

Southwest-SWA

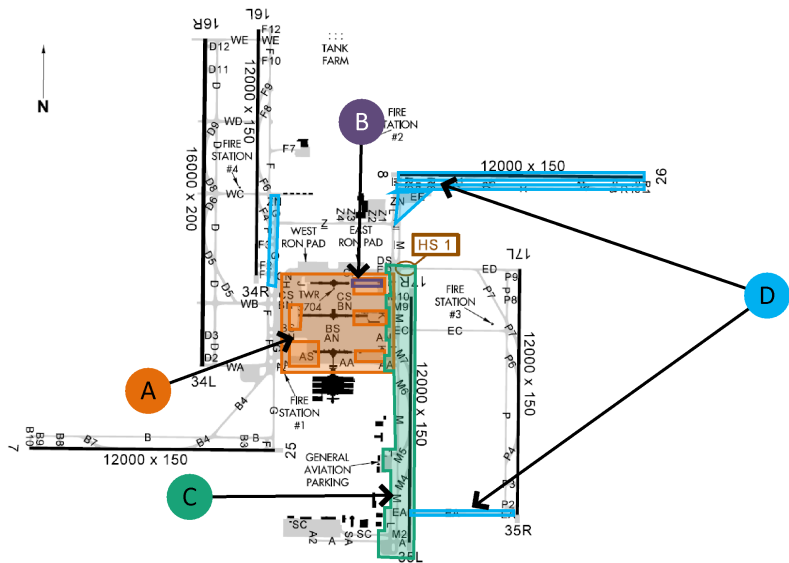
Spirit-NKS

United-UAL



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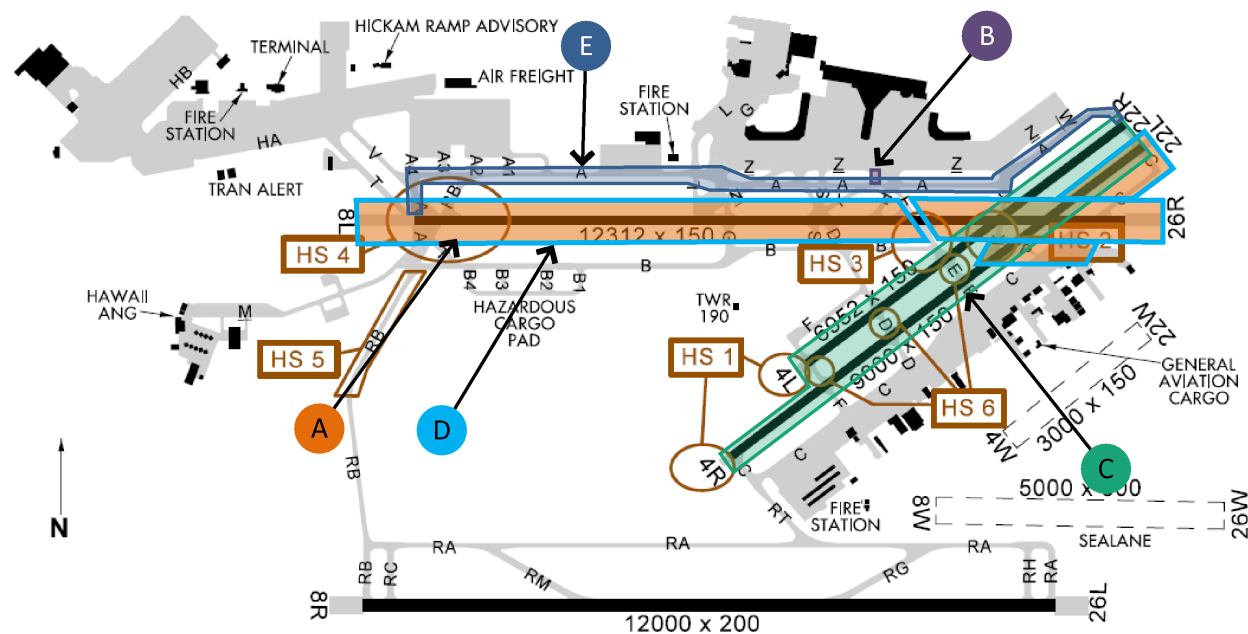
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A	Terminals A, B, & C																																					
B	Taxiway CN																																					
C	RWY 17R/35L TWYs M & L																																					
D	Multi-Area Aircraft Parking																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	Terminals A, B, & C	Ramp and Apron Construction for Terminals A, B, and C expansion and redevelopment: Concourse A - 12 new gates Concourse B - 11 new gates Concourse C - 16 new gates	05/10/2018 to 02/28/2021	In Progress		Ramp and apron construction coinciding with the concourse expansion plan. Expecting increased taxi times. New gates will increase gate capacity by 30%.
B	Taxiway CN	TWY CN closed between gate C51 and Taxiway K to aircraft with wingspans greater than 118 feet.	03/26/2020 to 07/10/2020	In Progress		
C	RWY 17R/35L TWYs M & L	TWYs M and L closed for rehabilitation and expansion. Including electrical and lighting upgrades. Project will widen TWY L safety area for ADG group V aircraft. RWY 17R/35L closed except for taxiing..	05/04/2020 to 07/18/2020	In Progress		Expecting TMI's to accommodate increased demand with reduced capacity. Longer taxi times due to ramp and taxiway congestion. RWY will be available for taxiing aircraft during closure.
D	Multi-Area Aircraft Parking	Multi-Area Aircraft Parking.	05/06/2020 to 08/05/2020	In Progress		Runways 8/26, 17R/35L, and Taxiways G, EA, R and CN will be closed for aircraft parking.

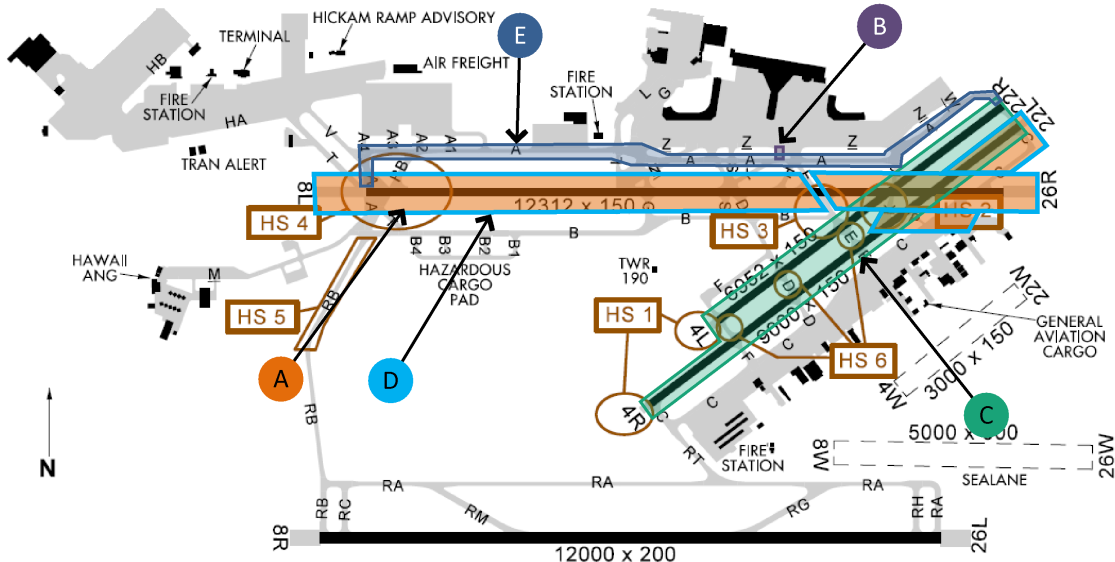
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A	RWY 8L/26R - Phase 1																																					

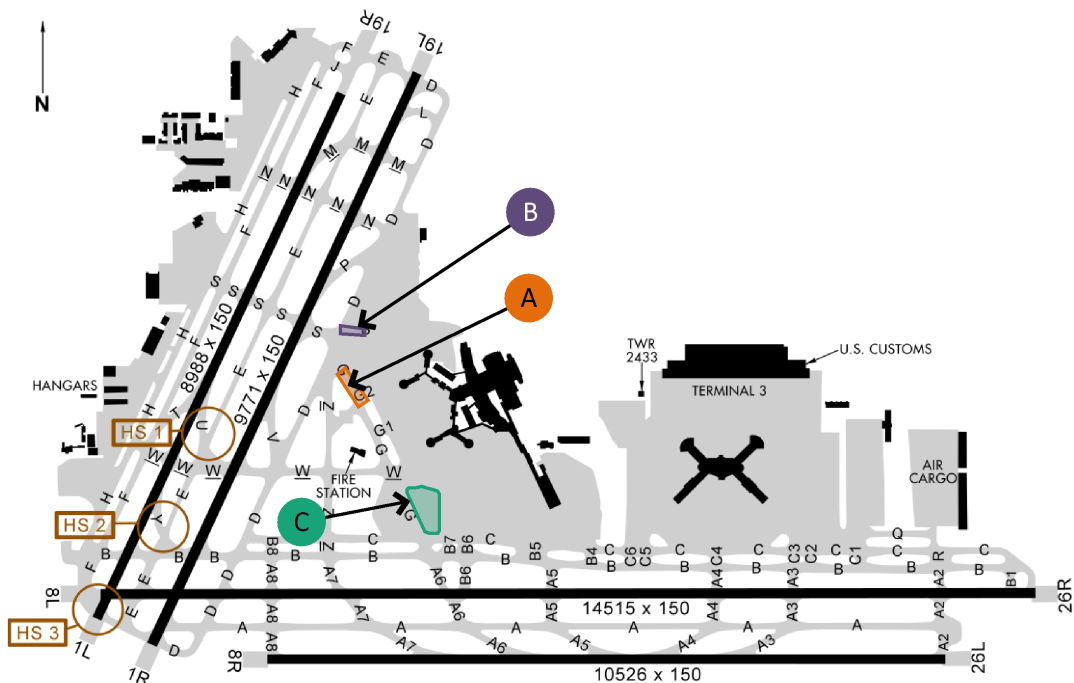
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	RWY 8L/26R - Phase 1	RWY 8L/26R widening project from 150 to 200 feet. RWY 26R shortened 3200' for east-end work, 9,100ft remaining. Phase 1 (stages 1-2) completion by Sep. 2019 Stage 1 (east) = 79 days Stage 2 (center) = 193 days, full closure	03/19/2019 to 2020 TBD	In Progress	■	9 Stage project. West and center stages RWY 8L requires full closures resulting in lower AARs. TMIs will be in place for arrivals during peak periods (0900-1500 HST), miles in trail (MIT), and/or call for release may be implemented. Expecting arrival/departure delays 15 minutes. Expect delays for RWY 8R. Possible delays for RWYs 22L/26L, for RWY 22L departures due to RWY 26L arrivals. Increased taxi times for aircraft requesting RWY 26L departure.
		Phase 2 (stages 3-9) of 8L/26R should start January 2020 and should be completed by 2021. Design is being finalized. Stages 3-9 = full closures.	01/04/2021 to 03/03/2021 TBD	Upcoming	■	Expect TMIs for arrivals during peak periods. Expect airborne and departure delays.

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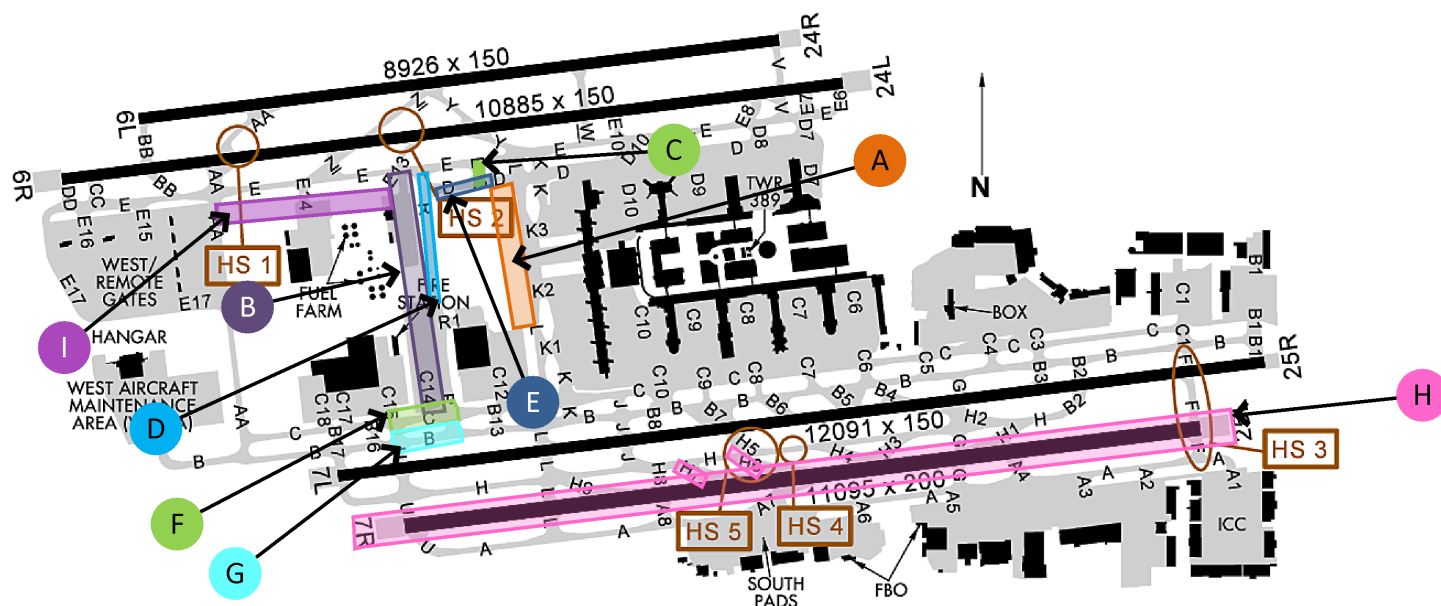
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B	TWY Y																																					
C	RWYs 4L/22R & 4R/22L																																					
D	RWY 8L/26R - Phase 2																																					
E	TWY A																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
B	TWY Y	TWY Y closed between TWY A and Z	01/24/2020 to 06/04/2020	Complete		
C	RWYs 4L/22R & 4R/22L	Install Runway Guard Lights (RGL) for Runway Incursion Mitigation program (RIM).	2020 TBD to Winter 2020 TBD	Upcoming		Awaiting completion of RWY 8L widening phase 1 to start project.
D	RWY 8L/26R - Phase 2	Phase 2 (stages 3-9) of 8L/26R should start January 2021 and should be completed by 2022. Design is being finalized. Stages 3-9 = full closures	01/01/2021 to 2022 TBD	Upcoming		Expect TMIs for arrivals during peak periods. Expect airborne and departure delays.
E	TWY A	TWY A realignment. Estimated start construction near end of year 2021.	2021 TBD	Upcoming		Taxiway reconfigurations based on HNL geometry study completed May 2018.



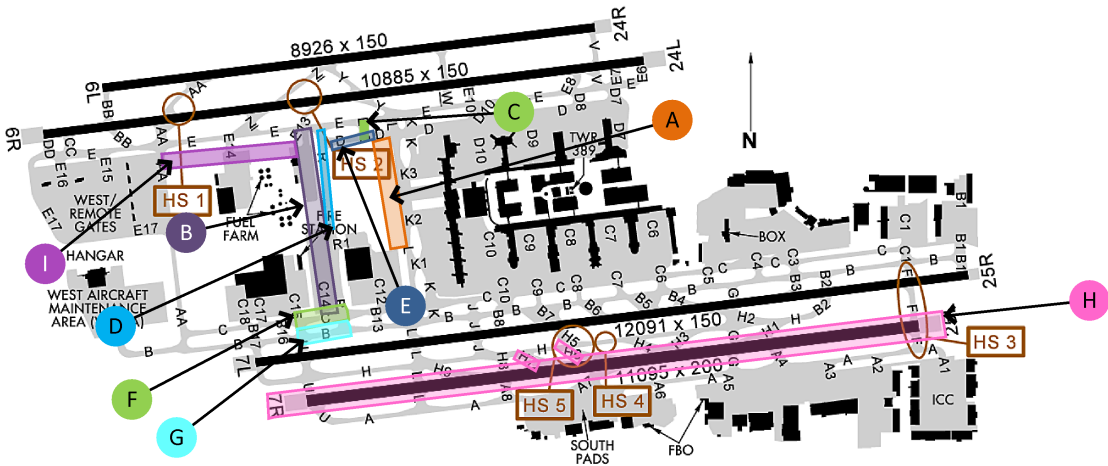
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A	TWY G																																					
B	TWY S																																					
C	Holding Pad 2																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	TWY G	TWY G closed between D and G2.	12/02/2019 to 05/28/2020	Complete		
B	TWY S	TWY S closed between TWY D and Terminal Ramp Spot 19	12/11/2019 to 04/16/2020	Complete		
C	Holding Pad 2	Holding Pad 2 and adjacent TWYs surrounding the holding pad will be closed and/or restricted intermittently during the project.	01/24/2020 to 06/14/2020	Complete		Higher impacts will be coordinated with ATC in advance to schedule during periods of lower demand.



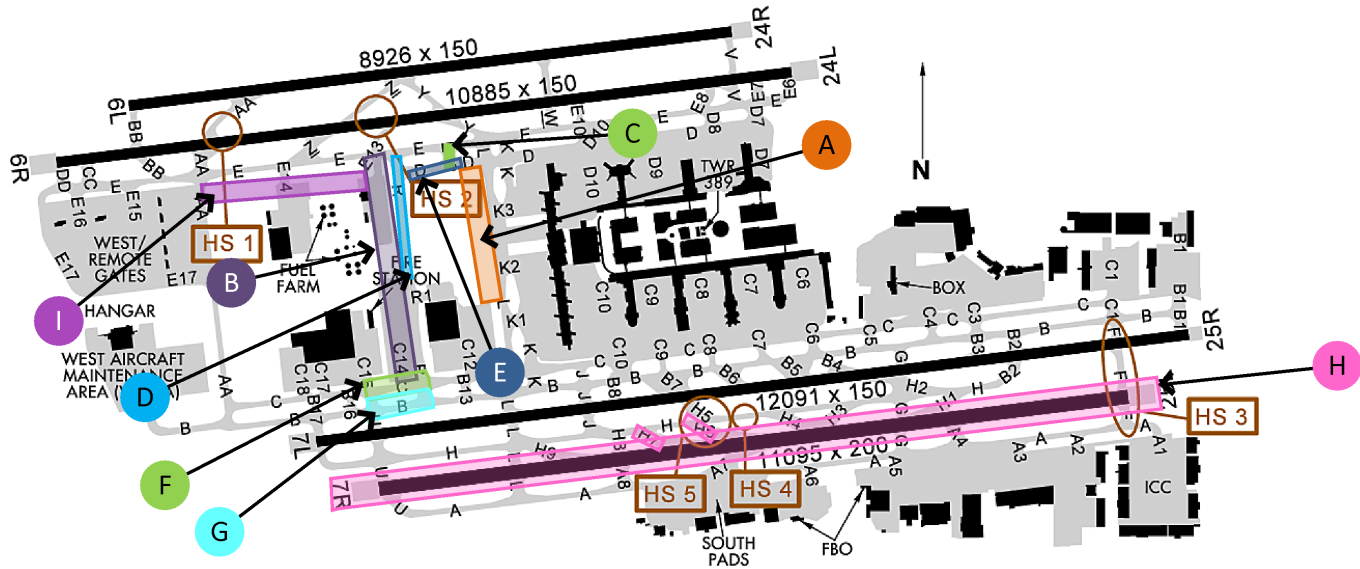
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A	Midfield Satellite Concourse (MSC) - North																																					
Not Depleted	Taxiway Re-Designation Project																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	Midfield Satellite Concourse (MSC) - North	The MSC North project includes construction of a new passenger concourse facility and will be located in the central area of the airfield. The MSC North project consists of a multi-gate concourse, aircraft parking aprons, taxiways/lanes, and utilities.	08/01/2016 to 09/01/2020	In Progress		LAX Tower will release control of Taxiways L and K (previously named Taxiways S and T) to Los Angeles World Airports (LAWA) when Taxiway P construction has been completed. Ramp Tower opening has been delayed to Fall 2020. Project team anticipates turnover of the RCT to LAWA OPS end of May 2020 for testing.
Not Depicted	Taxiway Re-Designation Project	Airfield wide project to re-designate LAX TWYs.	02/28/2019 to 2022 TBD	In Progress		Multi-phased project to rename airport taxiways. Renaming the South airfield first will enable the North airfield to utilize single letter TWYs. Next publication will be TWY R to N on July 16, 2020



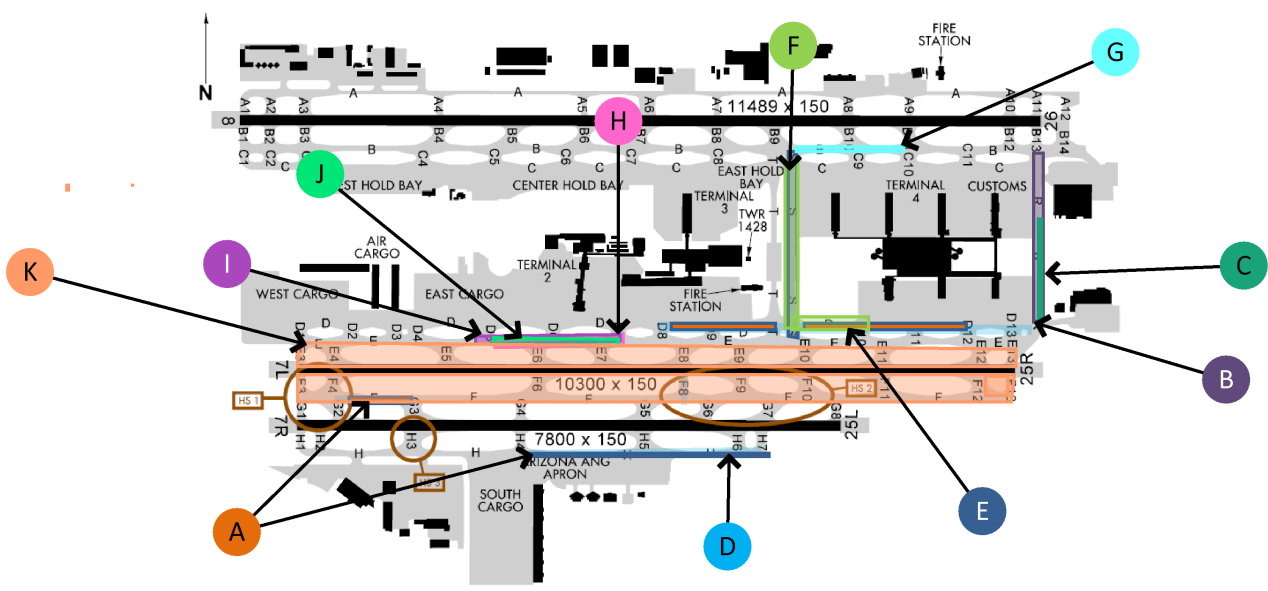
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B	TWY P (Formerly C14)																																					
C	TWY E12																																					
D	TWY R																																					
E	TWY D																																					
F	TWY C (R and Q)																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
B	TWY P (Formerly C14)	New TWY P between TWY E and TWY B and parallel to TWY R.	02/01/2020 to 01/11/2021	In Progress		New taxiway construction. Capacity will be reduced with limited impact. Extended closure of TWY R and D west of E12 from April 6, 2020 to September 12, 2020.
C	TWY E12	TWY E12 closed between TWY D and TWY E to aircraft with wingspans greater than 213 feet.	03/03/2020 to 07/17/2020	In Progress		
D	TWY R	TWY R closed between TWY E and Taxilane R1.	04/06/2020 to 07/04/2020	In Progress		TWY R will be closed between TWY D to TL R1 from 04/06/20 to 09/12/20.
E	TWY D	TWY D closed between TWY R and TWY E12.	04/06/2020 to 07/04/2020	In Progress		
F	TWY C (R and Q)	TWY C will be closed between TWY Q and TWY R associated with phase 4 of the TWY P project.	06/01/2020 to 09/30/2020	In Progress		Increased surface congestion. Longer taxi route expected for aircraft landing and parking on north complex. ADG-VI movement restriction affecting Runway 7L/25R. Dates may change.



		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
G	TWY B (R and Q)																																					
H	RWY 7R/25L & TWY H																																					
I	TWY D Extension & TWYs																																					

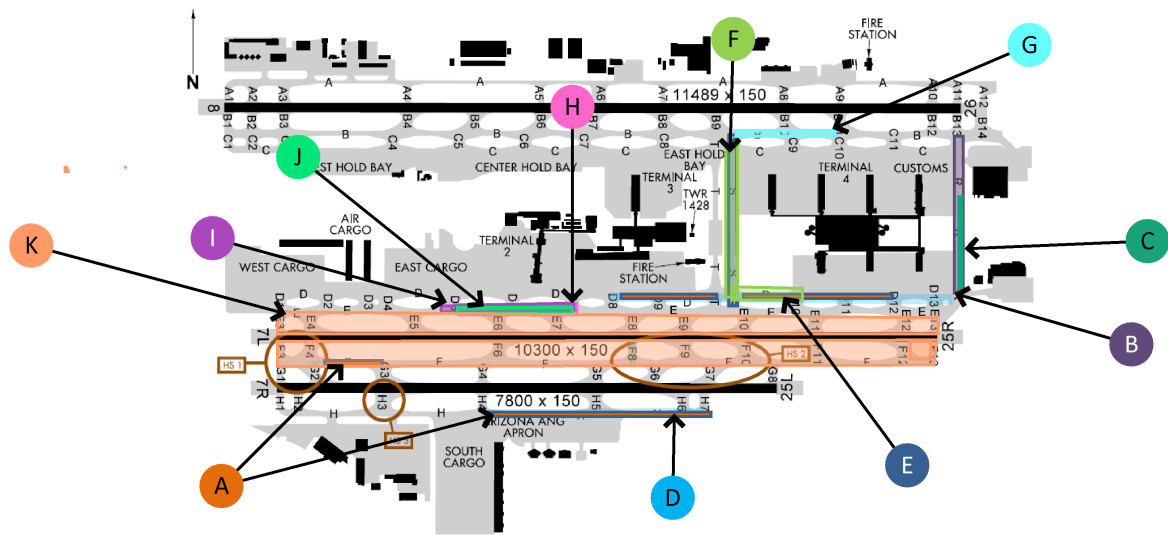
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
G	TWY B (R and Q)	TWY B will be closed between TWY Q and TWY R associated with phase 3 of the TWY P project.	10/05/2020 to 02/01/2021	Upcoming	■	Increased surface congestion. Longer taxi route expected for aircraft landing and parking on north complex. ADG-VI movement restrictions affecting Runway 7L/25R. Dates may change.
H	RWY 7R/25L & TWY H	RWY 7R/25L, TWYs H6 and H7 closed for rehabilitation. Full runway closure: 60 days.	01/18/2021 to 04/01/2021	Upcoming	■	60-day runway closure will occur in phases. Expecting nighttime closures of RWY 7L/25R during the initial phase and end phase of the project.
I	TWY D Extension & TWYs	TWY D extension (new construction) from TWY C14 (TWY P) to TWY AA. Includes associated TWYs tie-in to TWY D.	06/08/2021 to 05/01/2022	Upcoming	■	Capacity will be reduced with limited impact. Longer taxi route expected for aircraft landing and parking on north complex. Additional TWY D construction west from TWY AA to TWY E17 will provide a second full TWY for RWY 6R/24L (dates TBD)..

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		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
A	TWYs D, F and H																																					
B	TWY R Restrictions																																					

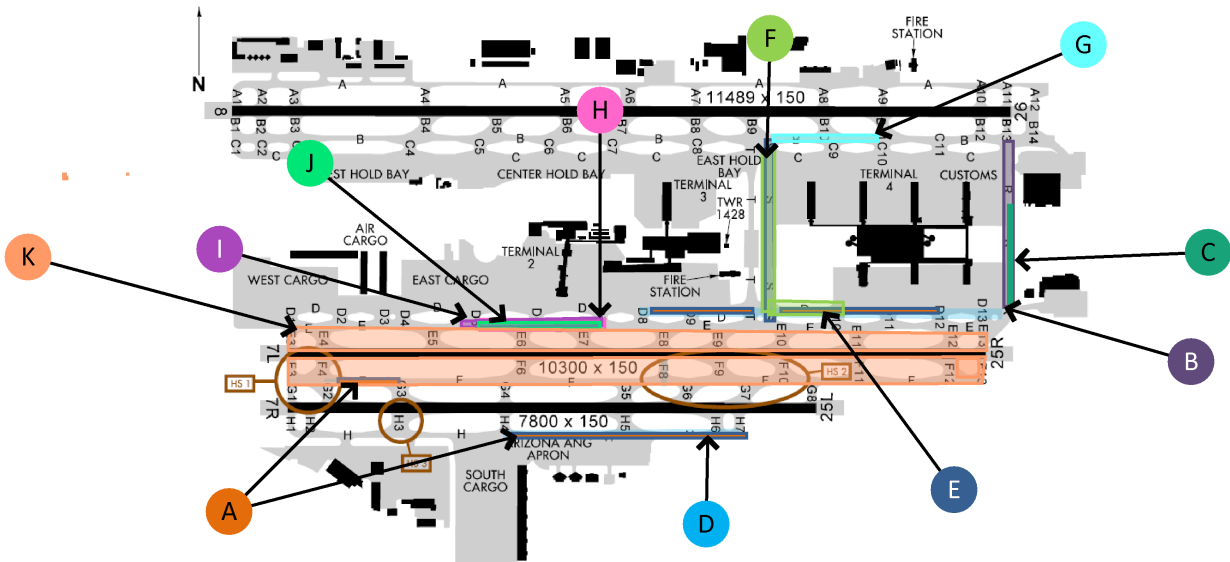
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	TWYs D, F and H	Multiple TWY closures with aircraft wingspan restrictions.	01/01/2019 to 01/01/2021	In Progress		TWY F closed between G2 and G3 to aircraft with wingspans greater than 135 feet. TWY D closed between TWY S and C10 to aircraft with wingspans greater than 135 feet.. TWY D closed between TWY D8 and TWY T to aircraft with wingspans greater than 135 feet. TWY H closed between TWY H4 and H7 to aircraft with wingspans greater than 170 feet.
B	TWY R Restrictions	Taxiway Romeo is restricted to Group III aircraft and below to support the SWA Hangar expansion. Aug. 29, 2019 - Apr. 1, 2020. Taxiway Romeo is restricted to Group IV aircraft and below to support the SWA Hangar expansion. Apr. 1, 2020 - Jan. 8, 2021.	08/29/2019 to 01/08/2021	In Progress		Additional taxi times for larger aircraft, but no delays anticipated.

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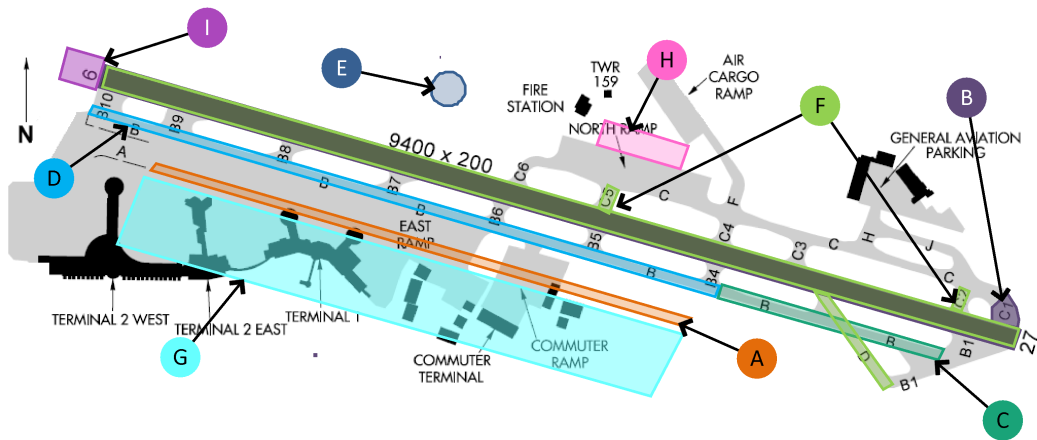
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C	TWY R																																					
D	TWYs D, F, F8, and H																																					
E	TWY S Closure																																					
F	TWY D Closure																																					
G	TWY C																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
C	TWY R	TWY R closed between Terminal 4 North Ramp Green Spot and TWY D closed to aircraft with wingspans greater than 118 feet.	01/01/2020 to 05/01/2020	Complete		
D	TWYs D, F, F8, and H	TWYs D and F closed to aircraft with wingspans greater than 135 feet. TWY H closed to aircraft with wingspans greater than 170 feet. TWY F8 closed to aircraft exiting RWY 7L/25R.	01/01/2020 to 01/01/2021	In Progress		
E	TWY S Closure	Taxiway Sierra will close for approximately 2 months to support construction of T4, South Concourse 1.	Winter 2020 TBD to 2021 TBD	Upcoming		No reduced capacity, but taxi times will increase for most aircraft and departure delays may occasionally be attributed to the project.
F	TWY D Closure	Taxiway Delta will close from Taxiway Sierra to Delta 10 for approximately 2-4 weeks to support the construction of T4, South Concourse 1.	Winter 2020 TBD to 2021 TBD	Upcoming		No major impact.
G	TWY C	TWY C closed between TWY S and TWY C10 to aircraft with wingspans greater than 171 feet.	01/31/2020 to 04/06/2020	Complete		

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		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
H	TWY D Closure and Aircraft restrictions																																					
I	TWY D Restricted																																					
J	TWY D6																																					
K	TWY E and F Infield Paving Project																																					

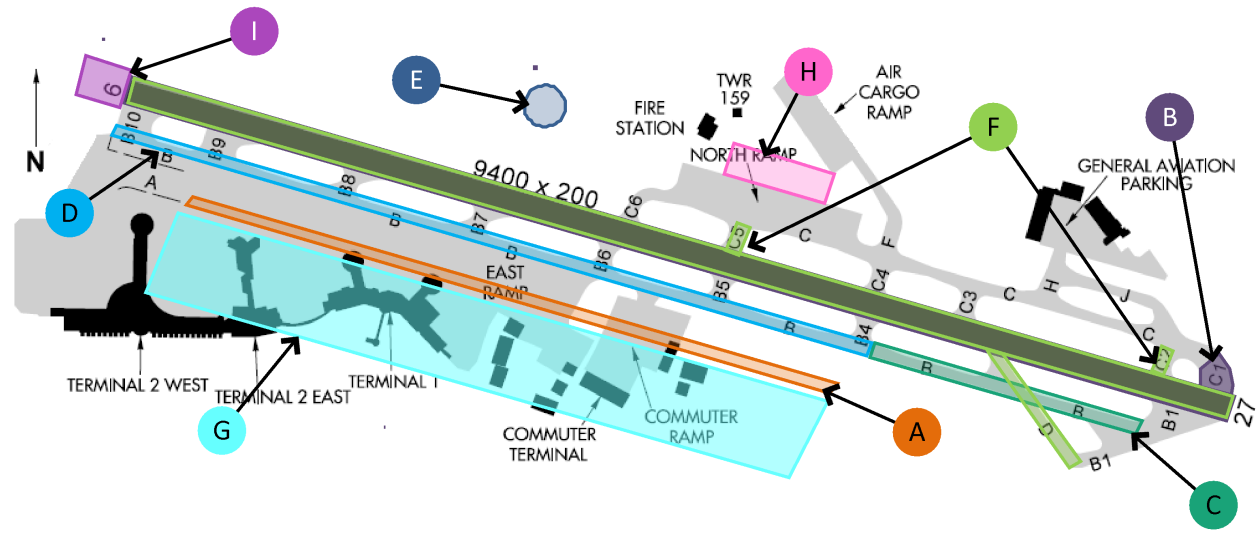
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
H	TWY D Closure and Aircraft restrictions	Taxiway Delta is closed and restricted to Aircraft Design Group (ADG) III aircraft and below between D5 and D7 to support the T2 demolition.	02/05/2020 to 07/10/2020	In Progress		Taxiway Delta ADG III and below restrictions from February 5, 2020 - March 31, 2020. Minor taxi adjustments.
I	TWY D Restricted	TWY D between TWY D5 and D7 closed to aircraft with wingspans greater than 118 feet.	02/05/2020 to 07/01/2020	In Progress		
J	TWY D6	TWY D6; TWY D closed between TWY D5 and TWY D7.	04/06/2020 to 08/10/2020	In Progress		
K	TWY E and F Infield Paving Project	Paving of all infields between Taxiway F and Rwy 7L/25R and Taxiway E and Rwy 7L/25R.	Fall 2020 TBD	Upcoming		All of the paving work will be accomplished during the nighttime and low demand hours. Overnight closures and daytime restrictions anticipated.



		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
A	Hydrant Fuel Lines																																					
B	RWY 9/27, TWY C1																																					
C	TWY B (East)																																					
D	TWY B (West)																																					
E	Fuel Storage Tanks																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	Hydrant Fuel Lines	Installation of new hydrant fuel lines to Terminal 2 West end and continuing to New Terminal 1.	03/11/2019 to 05/31/2023	In Progress		Two to three gates unavailable during project as in-ground fuel lines are installed.
B	RWY 9/27, TWY C1	RWY 9/27 and TWY C1 closed for rehabilitation of TWY intersections. RWY 9/27 Closed 0000L-0500L with no recall. TWY connector rehabilitation at TWY C1 (removal of asphalt and installation of concrete).	10/01/2019 to 04/04/2020	Complete		Expect TMLs to regulate inbound flow for SAN ATCT while meeting two (2) curfews. Departure Curfew at 2330L and an Arrival Curfew at 0000L. The increased demand attempting to get into the airport prior to 0000L continues to cause significant departure delays.
C	TWY B (East)	TWY B closed for rehabilitation of TWY B from B1 to B4.	03/01/2020 to 04/01/2020	Complete		Removal and repaving of the complete surface of TWY B from B1 to B4. Nightly work 0000-0500L.
D	TWY B (West)	Removal and repaving 50 ft. of the center portion of taxiway B from B4 to B10.	03/01/2020 to 04/30/2020	Complete		Removal and repave 50 ft. of the center of TWY Bravo B4-B10. Nightly work 0000-0500L.
E	Fuel Storage Tanks	Three new fuel storage tanks to be installed west of the ATCT.	06/23/2020 to 12/01/2021	In Progress		Construction expected to last 18 months, three new tanks to be installed. Upon project completion the two existing tanks will be taken out of service for 12 months to perform maintenance.

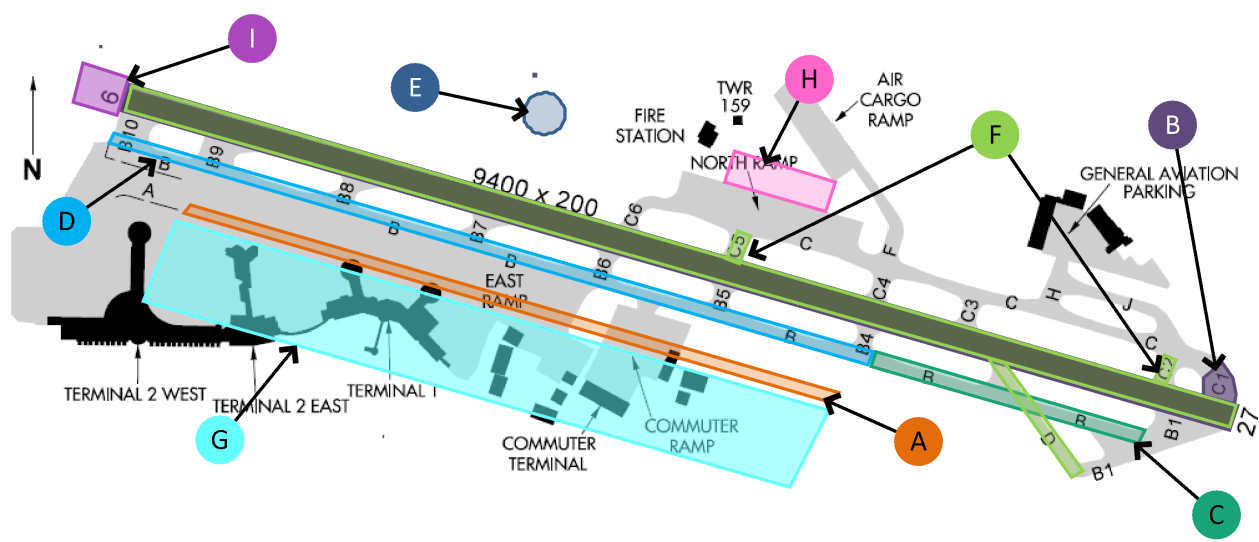
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		2020										2021										2022												2023				
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Not Depleted	Electrical Vault Relocation																																					
	F	TWYs C2, C5 and D																																				
G	Terminal Replacement																																					

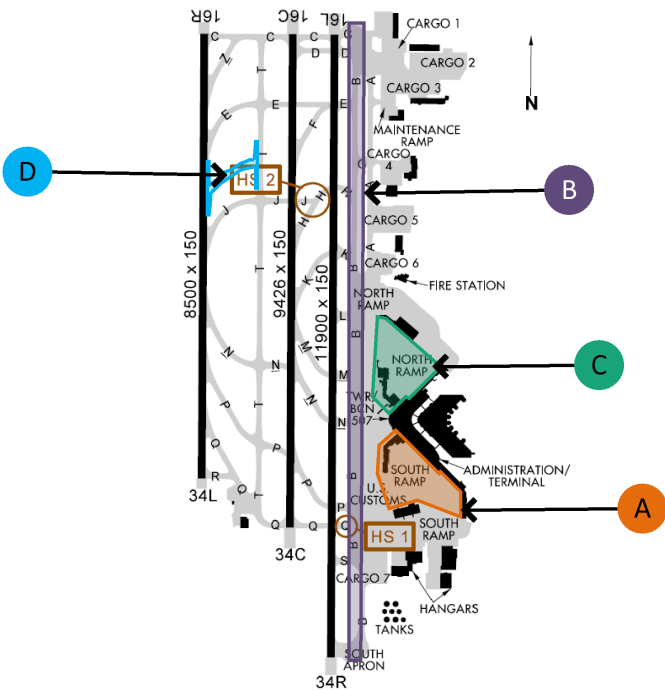
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
Not Depicted	Electrical Vault Relocation	Electrical vault moved approximately 150 feet SE to allow for taxiway expansion.	08/01/2020 to 05/01/2021	Upcoming	■	Phased to avoid reduction in services/capabilities. Also relocation of security fences keeps equipment shelters inside the Air Operations Area (AOA).
F	TWYs C2, C5 and D	TWY C2, TWY C5, and TWY D. RWY 9/27 closed Mon-Sat 0000 to 0500L	10/01/2020 to 04/30/2021	Upcoming	■	TWY C2 will require additional space on final; if LUAW aircraft is required to exit the runway, it will have to taxi 2000 feet down the runway to exit at TWY C3. Expect TMIs to regulate inbound flow for SAN ATCT while meeting two (2) curfews. Departure Curfew at 2330L and an Arrival Curfew at 0000L. The increased demand attempting to get into the airport prior to 0000L continues to cause significant departure delays.
G	Terminal Replacement	Airport will replace passenger terminals.	October 2020 to January 2023	Upcoming	■	Gates will be added before legacy gates are demolished. Phase 1A consists of 19 new gates. Gates 1 – 2 will be nonoperational during construction.

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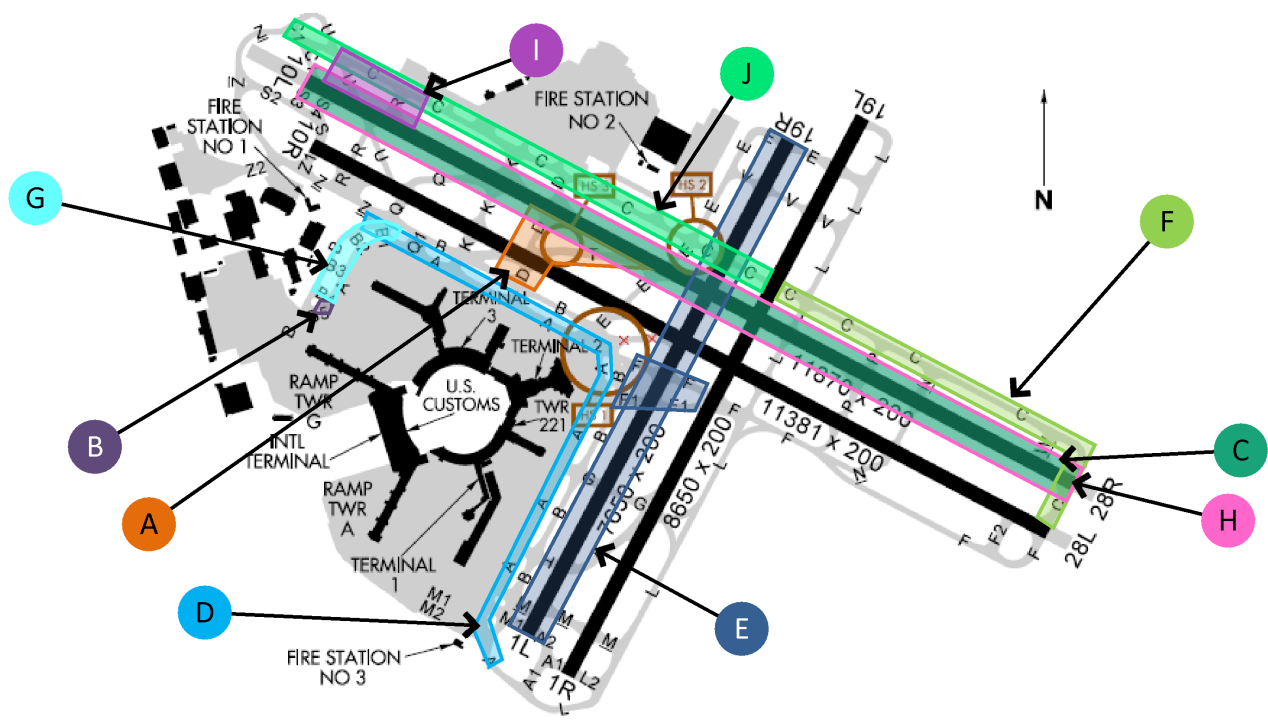
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H	New Cargo Facility																																					
I	EMAS Replacement																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
H	New Cargo Facility	Planned cargo facility at current transient aircraft parking location is being relocated due to line-of-sight issues with ATC. New structure is in preliminary planning phase, but should not pose any ATC issues.	01/01/2021 to 10/31/2021	Upcoming	■	SDIA is determining if they will be able to continue with the new proposal site as planned. 7460 is in review process
I	EMAS Replacement	Engineered Materials Arresting System (EMAS) removal and replacement.	01/01/2021 to 05/03/2021	Upcoming	■	This will affect the RWY 9 Medium Intensity Approach Lighting System (MALSR) 1200 feet and 1400 feet alignment indicator bars. Additional impact to RWY 27 LOC is possible. 7460 is in review process and independent consultant is determining the deconstruction and rebuild process. Start date may move further into 2021.



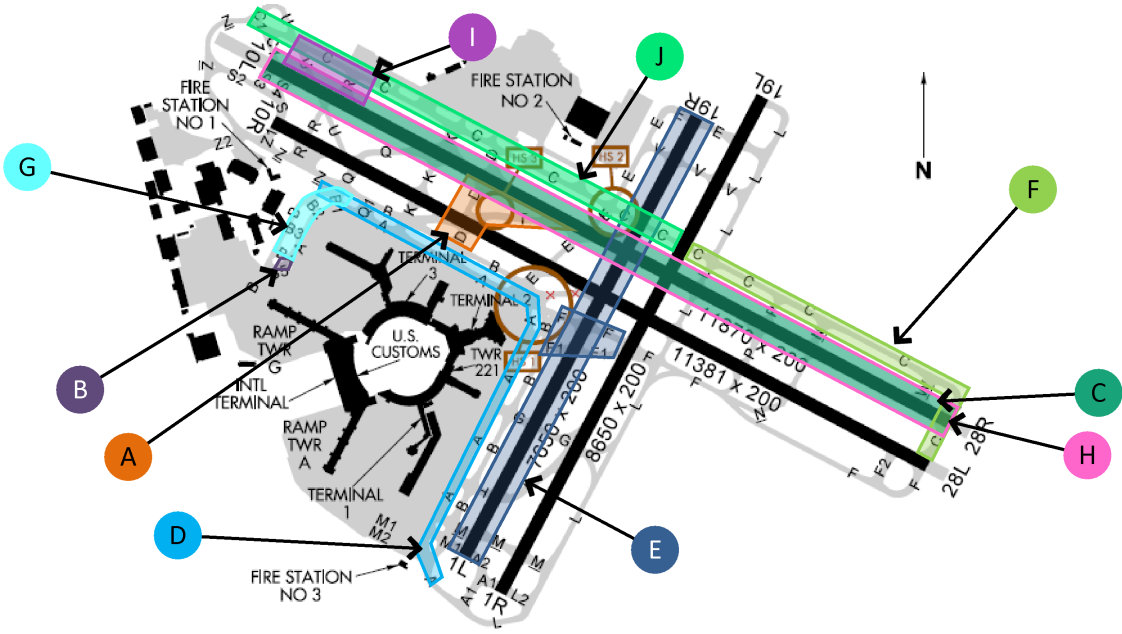
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A	South Ramp Rehabilitation																																					
B	TWY B																																					
C	North Ramp Rehabilitation																																					
D	RWY 34L High-speed TWY																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	South Ramp Rehabilitation	Concourse A, B, and South-ramp rehabilitation. Spot 88 and Taxilane W closed for the first 60 days (June 26, 2020)	04/15/2020 to 07/11/2020	In Progress		Expecting one-way in/out of the South Satellite area for large aircraft which impacts surface movement.
B	TWY B	TWY B closed for reconstruction.	2022 TBD	Upcoming		TWY B 500 ft. separation and runway incursion mitigation (RIM).
C	North Ramp Rehabilitation	Concourse C, D, and North-ramp rehabilitation.	2022 TBD	Upcoming		Possible limitations on aircraft ground movement.
D	RWY 34L High-speed TWY	RWY 34L construction of high-speed exit.	2023 TBD	Upcoming		



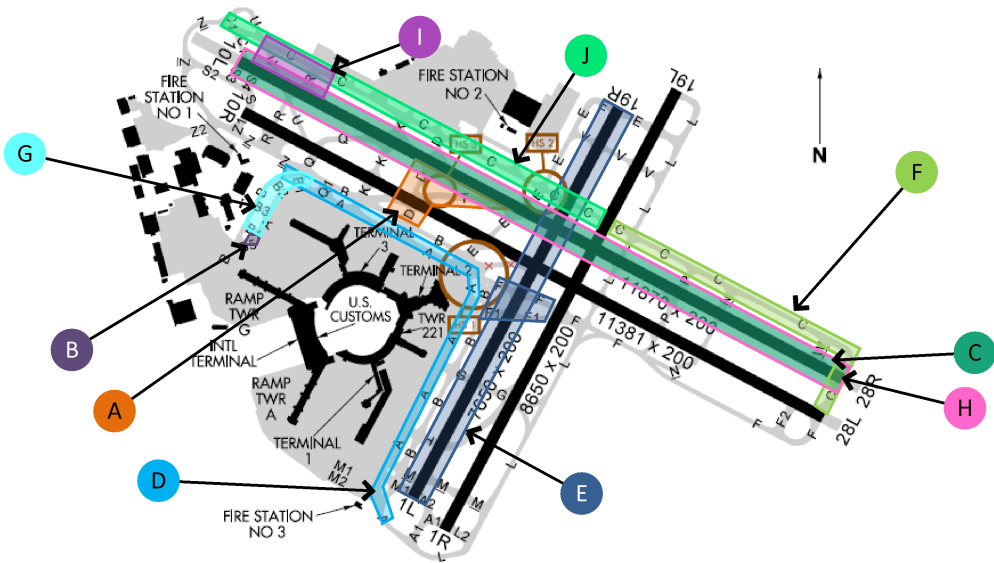
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Not Depicted	Airfield Lighting																																					
A	TWYs D & T																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
Not Depicted	Airfield Lighting	Airfield Lighting, Bldg. 1 electrical system upgrade and 5kV cable replacement.	11/01/2019 to 12/31/2020	In Progress		
A	TWYs D & T	TWYs D/T closed for realignment, runway incursion mitigation (RIM) program. Phase A - RWY 28L nighttime closure Phase B - RWY 28R weekend closure Phase C - RWY 28L weekday closure Phase D - RWY 28L nighttime closure - 3 weeks Phase E - RWY 28L nighttime closure - 3 weeks	09/01/2020 to 11/30/2021	Upcoming		Multi-phased project to realign TWYs in order to rectify deficiencies with the existing geometry. Project being considered for Fall 2020 implementation due to reduced operations caused by COVID pandemic.
		TWYs D/T closed for realignment, runway incursion mitigation (RIM) program.	December 2020 to April 2021	Upcoming		Separate 28L and 28R closures; dates and duration TBD. Expect increased surface congestion on TWY E.



		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
B	TWY B5																																					
C	RWY 10L/28R																																					
D	TWY A																																					
E	RWY 1L/19R, TWYs F & F1																																					

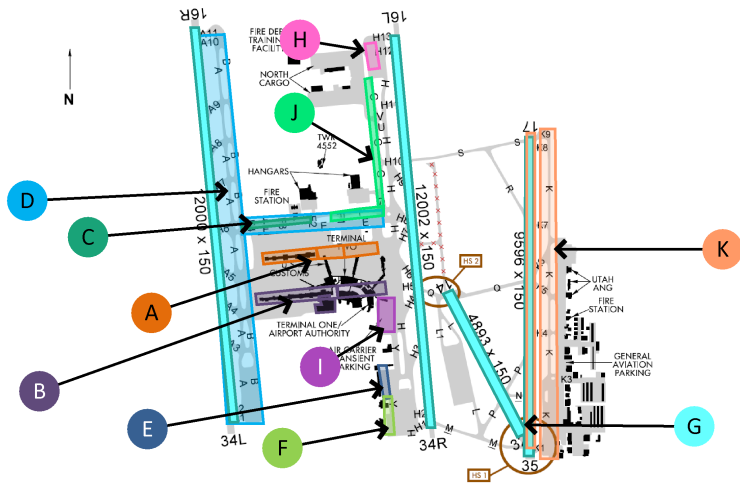
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
B	TWY B5	Taxiway B5 closed for reconstruction.	09/01/2020 to 10/01/2020	Upcoming	<div></div>	ATC involved in discussions.
C	RWY 10L/28R	RWY 10L/28R closed for rehabilitation. Shortened runway and weekend closures.	09/01/2020 to 11/30/2021	Upcoming	<div></div>	Future project, exact dates unknown. Project being considered for Fall 2020 implementation due to reduced operations caused by COVID pandemic
D	TWY A	TWY A reconstruction.	09/01/2020 to 11/30/2021	Upcoming	<div></div>	Future project, exact dates unknown. Project being considered for Fall 2020 implementation due to reduced operations caused by COVID pandemic
E	RWY 1L/19R, TWYs F & F1	RWY 1L/19R closed for rehabilitation/realignment of non-standard taxiway geometry. TWY F1 will be TWY W, TWY W will be TWY C2.	September 2021 to 11/01/2021	Upcoming	<div></div>	Repaving runway and realigning taxiways in order to rectify deficiencies. Impact will be closure of 1L or 1R when the new taxiways are constructed to tie-in the runways.



		2020										2021												2022												2023		
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F	TWY C (East Area)																																					
G	TWYs B1-B4																																					
H	RWY 10L/28R Lighting																																					
I	TWY C3 and R																																					
J	TWY C (West Area)																																					

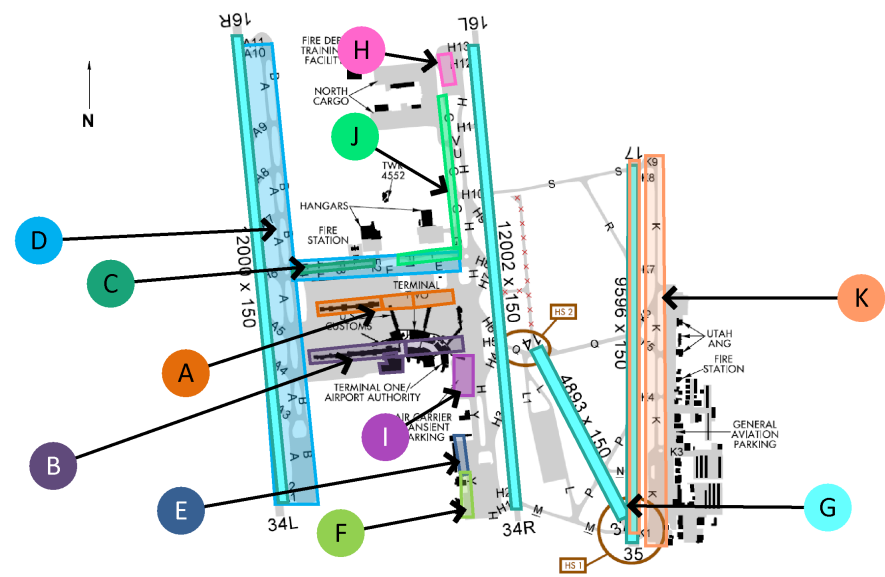
	Project	Description of Work	Estimated Dates	Status	Impact	Notes
F	TWY C (East Area)	TWY C realignment/reconstruction on the East-side. Realign TWY C, 50ft from 10L/28R.	2022 TBD	Upcoming	Yellow	Future project, exact dates unknown.
G	TWYs B1-B4	TWYs B1 to B4 closed for reconstruction.	03/01/2022 to 09/01/2022	Upcoming	Green	ATC involved in discussions.
H	RWY 10L/28R Lighting	RWY 10L/28R closed for new lighting cable.	04/01/2022 to 06/01/2022	Upcoming	Grey	
I	TWY C3 and R	TWYs C3 and R closed for realignment/reconstruction.	Fall 2022 TBD to Winter 2023 TBD	Upcoming	Red	Project may be combined with RWY 10L/28R project. Exact dates unknown.
J	TWY C (West Area)	TWY C realignment/reconstruction on the West side of the airfield. Realign TWY C, 50ft away from 10L/28R.	04/01/2023 to 06/01/2023	Upcoming	Yellow	

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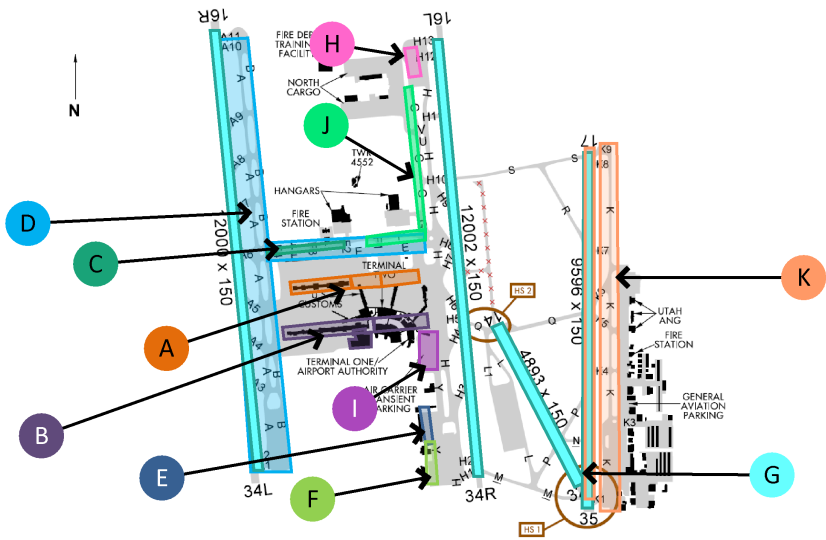
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A	North Terminal																																					
B	South Terminal																																					
C	TWY E Restricted																																					
D	Multiple TWYs rewiring																																					

Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	North terminal concourse and apron redevelopment. First phase: 20 gates Second phase: 11 gates	June 2017 to 2024 TBD	In Progress	■	Terminal redevelopment program. New concourses will accommodate larger planes. First phase (West side) to open in fall of 2020. Second phase to open in 2023/24.
B	South terminal concourse and apron redevelopment. First phase: 25 gates (+6 international gates). Second phase: 22 gates. Demolition of existing three terminals.	June 2017 to 2024 TBD	In Progress	■	Terminal redevelopment program. New concourses will accommodate larger planes, including doubling international capable gates from three (3) to six (6). 78 gates will have jet bridges. 1st phase (West) opening fall 2020. 2nd phase (East) opening 2024.
C	TWY E Restricted	12/18/2019 to 08/31/2020	In Progress	■	
D	Multiple TWYs rewiring	TWYs A, B, E, and F rewiring project.	2020 TBD	Upcoming	■ For the most part, this is scheduled for night work. Some phases on TWYs A and B will be during the day, closing only one taxiway at a time. At the end of the project, there will be several weeks of nighttime closures to complete the work on the runway.



		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
E	Apron Area 13																																					
F	Apron and Taxilanes 22,23																																					
G	Runway Maintenance Project																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
E	Apron Area 13	Apron Air carrier access closed to aircraft with wingspans greater than 171 feet.	02/09/2020 to 12/31/2020	In Progress		
F	Apron and Taxiways 22,23	Apron Air Carrier Access and Taxiways 22 and 23 closed.	04/09/2020 to 08/31/2020	In Progress		
G	Runway Maintenance Project	Semi-annual runway maintenance.	Spring 2020	Complete		<p>These closures will be for multiple maintenance items including Runway Safety Area work, rubber removal, painting and lighting maintenance.</p> <p>Runways 17/35, 14/32 - May 16-May 19 (midnight - 7AM)</p> <p>Runway 16R/34L - May 29- June 1 (midnight - 7AM)</p> <p>Runway 16L/34R - June 6 - June 9 (midnight - 7AM)</p> <p>Generally no delays/impact with these weekend closures.</p>



		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
H	Apron 16L Deicing Pad																																					
I	Apron Areas 7,8,9,10																																					
J	TWY E																																					
K	TWY K																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
H	Apron 16L Deicing Pad	Apron 16L Deicing Pad closed.	05/02/2020 to 06/30/2020	In Progress		
I	Apron Areas 7,8,9,10	Apron Air Carrier Access 7,8,9 and 10 closed.	05/04/2020 to 07/20/2020	In Progress		
J	TWY E	TWY E closed for rehabilitation between TWYs G and F1.	May 2020 to October 2020	In Progress		Project will be phased to minimize operational impact.
K	TWY K	TWY K closed for rehabilitation. RWY 17/35 closed at nighttime for last 14 days during TWY lighting system upgrades.	May 2020 to August 2020	In Progress		Multi-phased to minimize impact to traffic flow in and around GA apron. All work will be outside RWY 17/35 RSA, except for lighting system upgrades. 100-day closure.

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Key:

Alaska-ASA

American-AAL

Cathay Pacific-CPA

Corvus Airlines Inc. dba

Delta-DAL

Federal Express-FDX

Grant Aviation-GUN

JetBlue-JBU

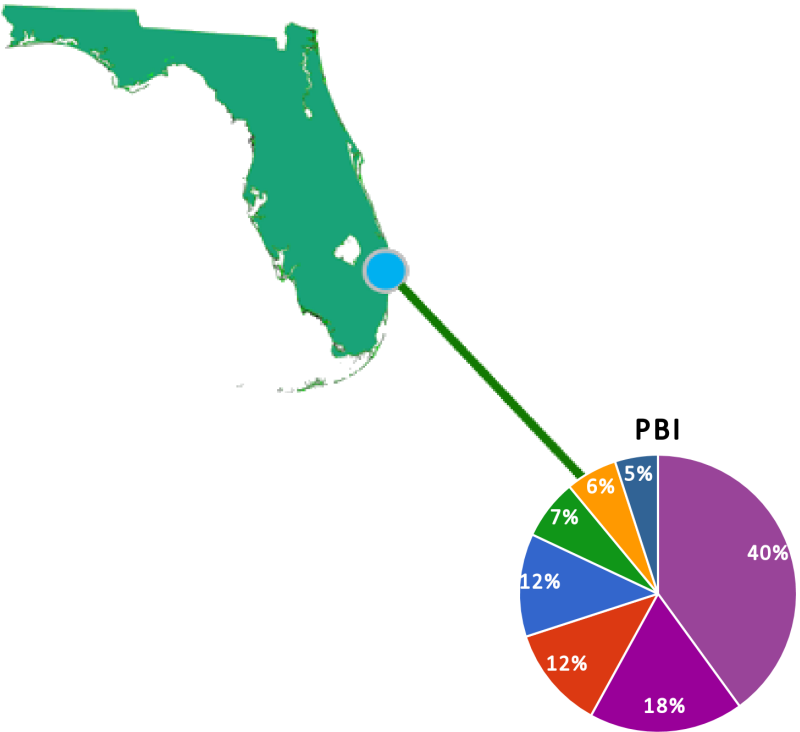
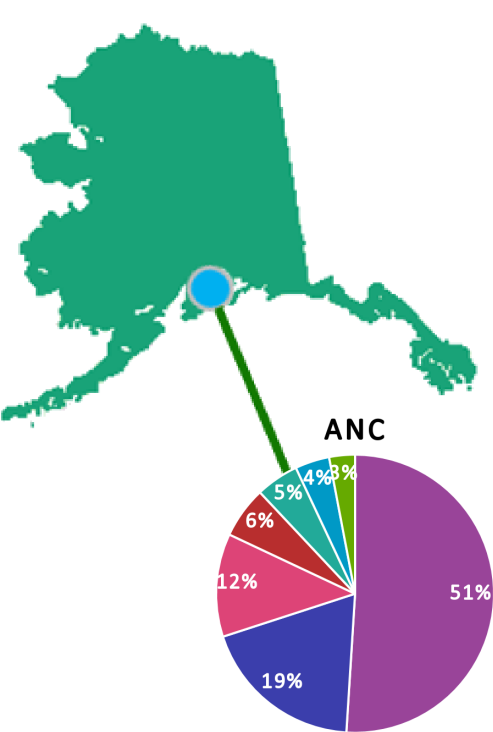
NetJets-EJA

Other *less than 4%

Southwest-SWA

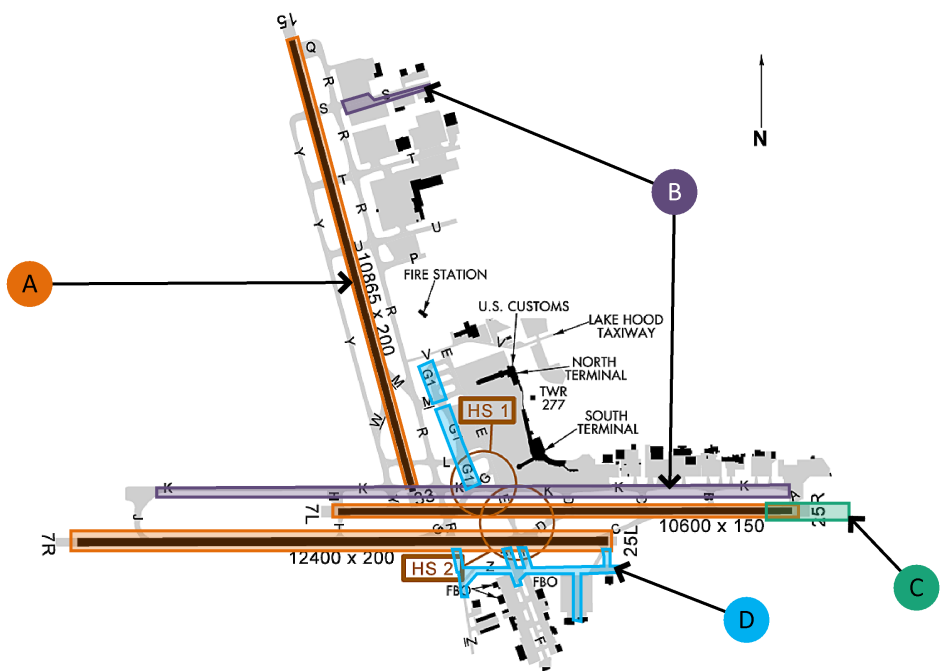
United Parcel Service-UPS

United-UAL



	2020									2021												2022												2023		
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR
ANC																																				
PBI																																				

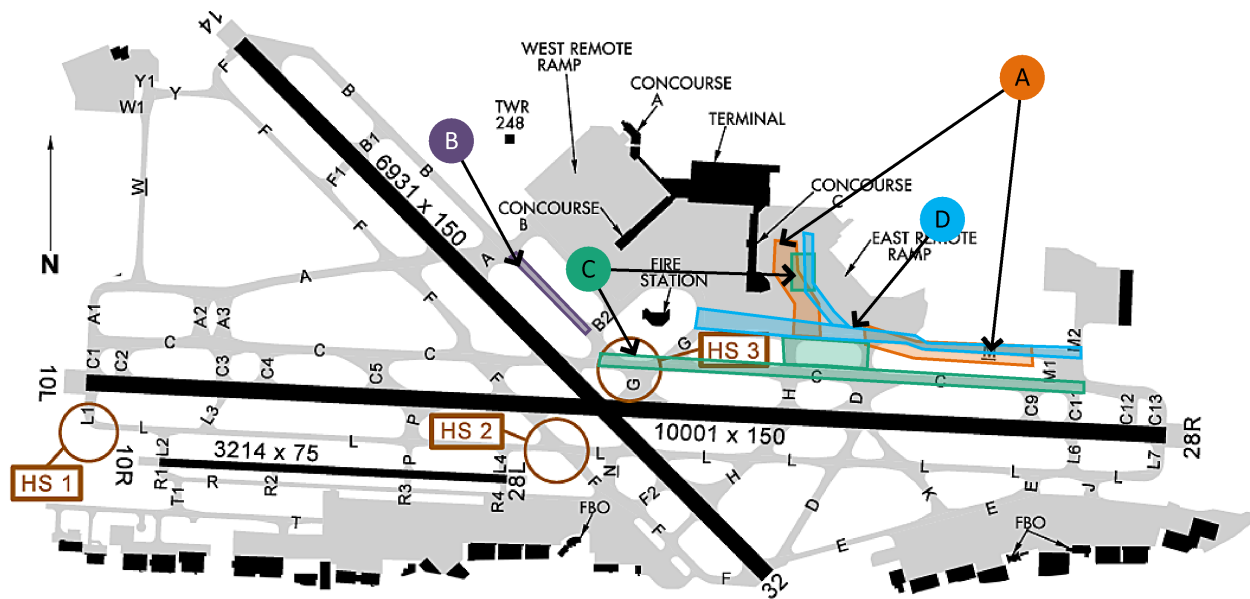
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		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
A	RWY Maintenance																																					
B	TWYs S & K																																					
C	RWY 25R Safety Area																																					
D	TWYs G1 & Z																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	RWY Maintenance	Seasonal runway maintenance.	05/11/2020 to 09/15/2020	In Progress	■	Mondays and Tuesdays only.
B	TWYs S & K	TWYs S and TWY K reconstruction. TWY K will be reconstructed/relocated North.	06/20/2020 to 09/30/2020	In Progress	■	
C	RWY 25R Safety Area	RWY 25R Runway Safety Area (RSA) construction at the approach end.	06/20/2020 to 08/20/2020	In Progress	■	Will require 7L/25R closures for up to 30 days during Summer 2020.
D	TWYs G1 & Z	TWY G1/Z East/West extension/reconstruction and associated TWYs/TXLs to accommodate Airplane Design Group (ADG VI) and TWY Design Group (TDG 7). TWY R extension (West side).	2021 TBD	Upcoming	■	Project includes road alignments parallel and South of TWY Z.

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		2020										2021												2022												2023		
	Project	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
A	TWY and Apron Areas																																					
B	TWY B																																					
C	TWY C																																					
D	TWY M																																					

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	TWY and Apron Areas	Non-movement area and Apron rehabilitation. Repaving areas by concourse C and behind east remote parking.	08/22/2019 to 2020 TBD	In Progress		The category IV air carrier aircraft park on western gates on Concourse C.
B	TWY B	Taxiway B closed as part of Northeast Airfield Construction Project. TWY B closed between B2 and TWY A.	June 2020 to 07/11/2020	In Progress		Dates are tentative.
C	TWY C	TWY C closed as part of Northeast Airfield Construction Project. TWY C closed from TWY B2 to C11.	06/29/2020 to 08/07/2020	In Progress		Aircraft not permitted in work area 8A between TWY C7 and D or work area 2B near Concourse C. TWY C limited to aircraft with wingspans less than 171 feet. Dates are tentative.
D	TWY M	Taxiway M closed as part of Northeast Airfield Construction Project. TWY M closed from M2 to TWY C7. Closure also includes work area 4B outside of Concourse C.	06/29/2020 to 08/07/2020	In Progress		TWY M limited to aircraft with wingspans less than 118 feet. Dates are tentative.