

# Q4-2020 Airport Construction Impact Report



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

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

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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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### 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

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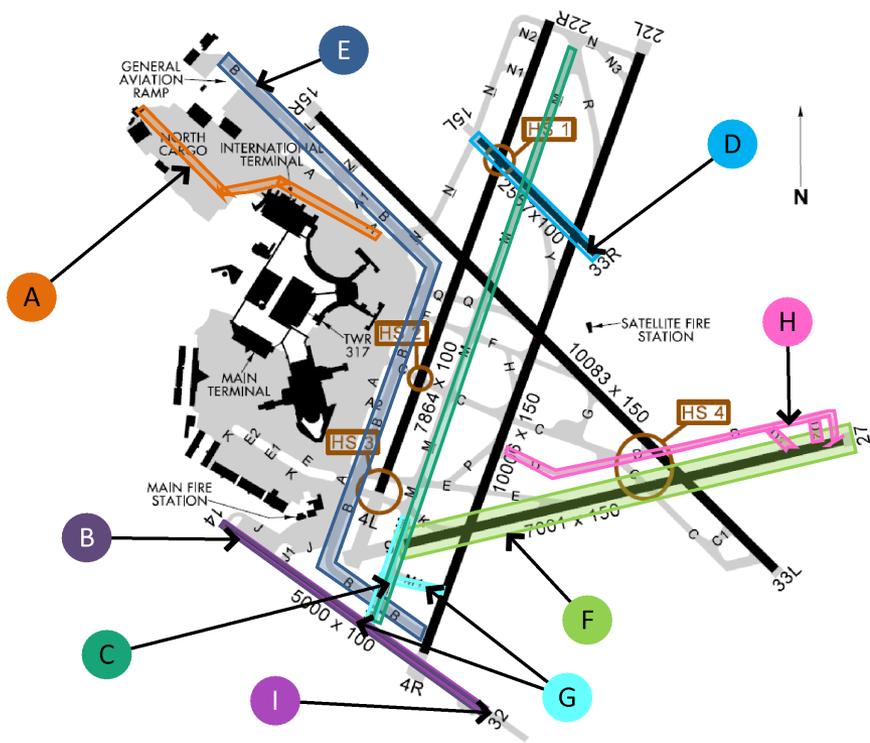
### Construction Impact Key

**G** **No Capacity Effect** – Departures taxi delays and/or Arrivals airborne holding delays are 15 minutes or less

**Y** **Reduced Capacity and Delay Impact** – Departures taxi delays and/or Arrivals airborne holding delays of 16 to 45 minutes

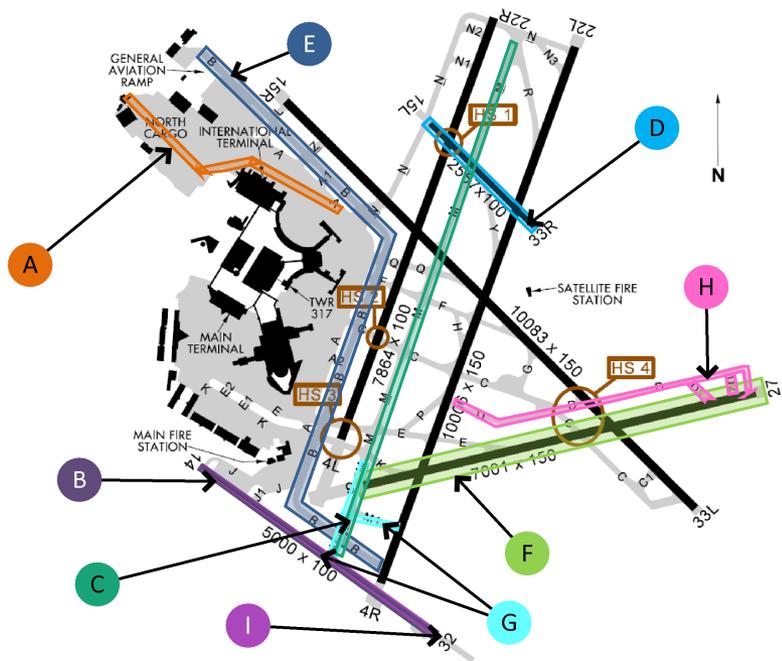
**R** **Reduced Capacity and Greater Delay Impact** – Departures taxi delays and/or Arrivals airborne holding delays greater than 45 minutes





Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
D RWY 15L/33R	G																																			
E TWY B Lighting																																				

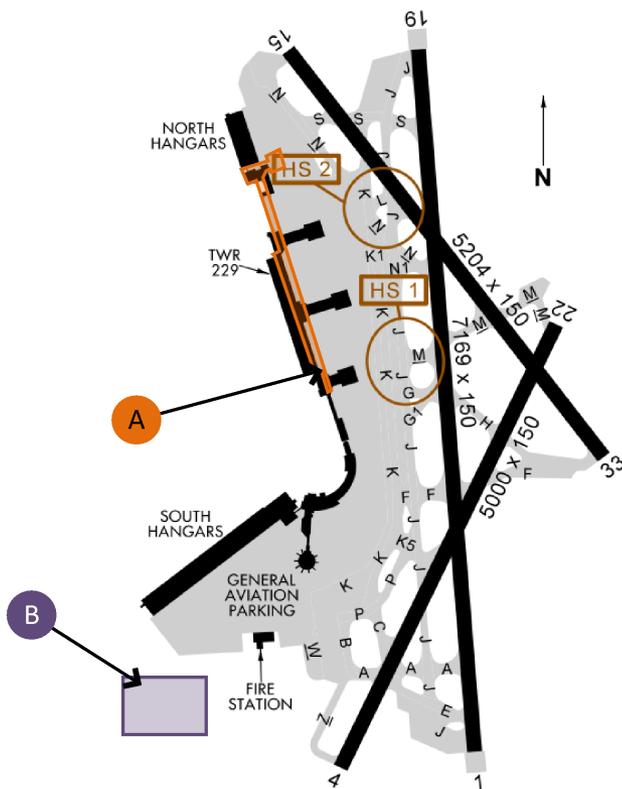
Project	Description of Work	Estimated Dates	Status	Impact	Notes
D RWY 15L/33R	RWY 15L/33R closed except for taxiing.	05/03/2020 to 07/31/2020	Complete	G	Runway only available for use by small prop aircraft. Periodic closures for establishment of a PAPI. Delayed due to COVID-19.
E TWY B Lighting	TWY B centerline lights replacement.	05/13/2020 to 06/15/2020	Complete	G	Work will be limited to night construction and done during periods of low activity.



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
F RWY 9/27	Y	Y																																		
G TWY M and M1	G	G																																		
H TWY D, D1, D2	G	G																																		
I RWY 14/32 and TWY J1	G																																			

Project	Description of Work	Estimated Dates	Status	Impact	Notes
F RWY 9/27	RWY 9/27 closed for rehabilitation. Milling and repaving.	05/26/2020 to 08/07/2020	Complete	Y	Project will consists of a full, continuous closure for 73 days.
G TWY M and M1	TWY M closed between RWY 14/32 and TWY K. TWY M1 closed.	05/26/2020 to 08/07/2020	Complete	G	Used as a haul route for the required construction vehicles involved in the rehabilitation of RWY 9/27.
H TWY D, D1, D2	TWY D, D1 and D2 closed.	05/26/2020 to 08/07/2020	Complete	G	
I 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	Complete	G	





Project	2020						2021						2022						2023																
	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	APR	MAY
<b>A</b> North Concourse	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y													
<b>B</b> Lighting Vault Relocation																																			

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> North Concourse	New regional concourse gates replacing surface gates.	04/19/2017 to 04/01/2022	In Progress	<b>Y</b>	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>B</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.	Fall 2020 TBD to Summer 2021 TBD	Upcoming	<b>G</b>	

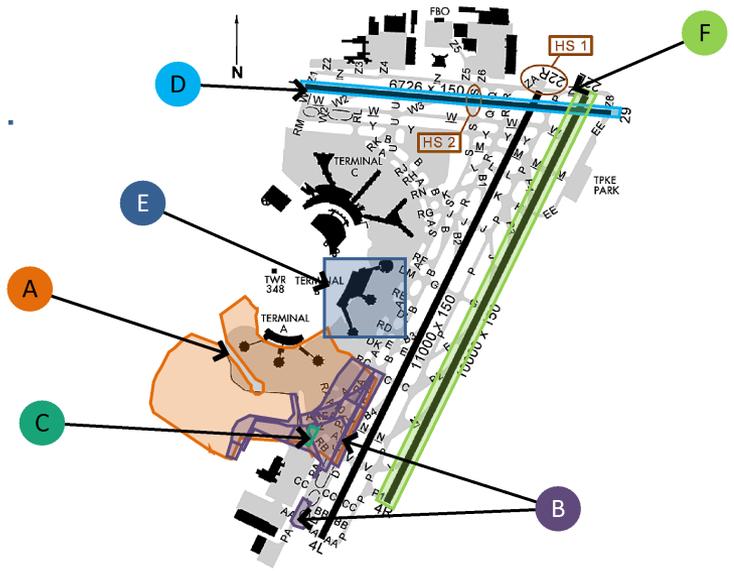
**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

**T** To be determined

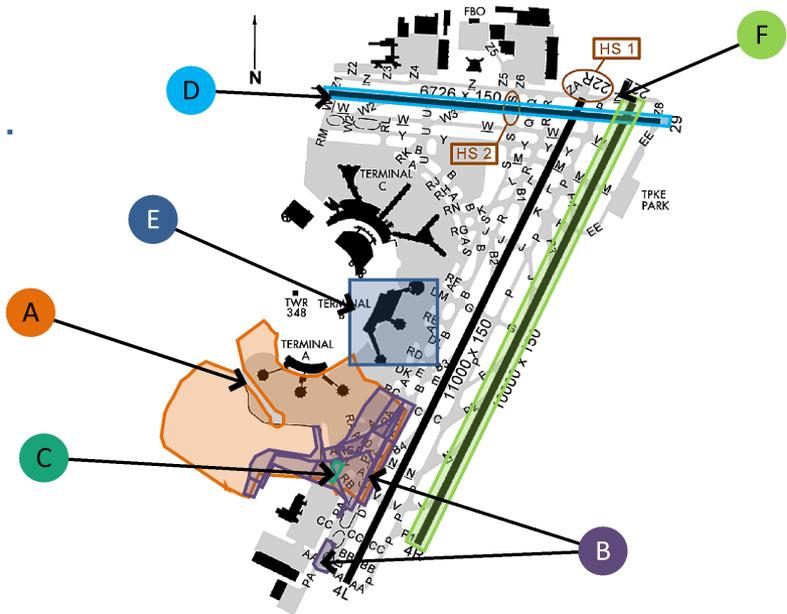
IATA Level 2



Project	2020						2021						2022						2023																	
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<b>A</b> Terminal One	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y						
<b>B</b> South TWYs & Ramp Area	Y	Y	Y	Y	Y																															
<b>C</b> TWY FE	G	G	G	G	G	G																														

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> 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	<b>Y</b>	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>B</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 11/30/2020	In Progress	<b>Y</b>	Airport Operator/Sponsor (PANYNJ) considering deferral of some work in some stages. Revised Staging Plan TBD. Staging sequence and schedule subject to change. Check current NOTAMS for status of taxiway closures. Expecting ramp and taxiway congestion.
<b>C</b> TWY FE	TWY FE closed.	04/26/2020 to 12/31/2020	In Progress	<b>G</b>	Airport Operator/Sponsor (PANYNJ) considering deferral of some work in some stages. Revised Staging Plan TBD.

IATA Level 2



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
D RWY 11/29 Rehabilitation	G	G	G	G	G	G																														
E Terminal B Ramp Rehab							G	G	G	G	G	G	G	G	G	G	G	G																		
F RWY 4R/22L																			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y						

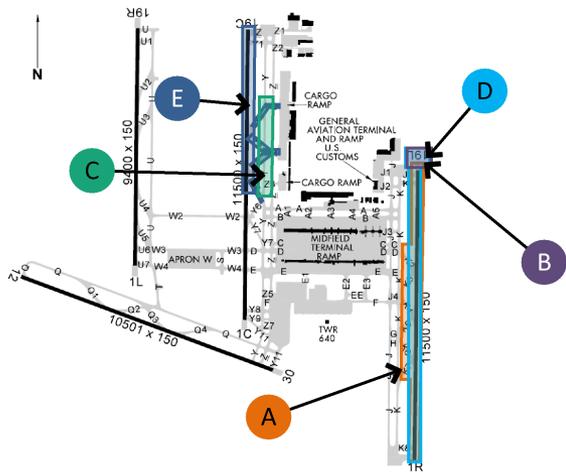
Project	Description of Work	Estimated Dates	Status	Impact	Notes
D RWY 11/29 Rehabilitation	RWY 11/29 closed for rehabilitation.	04/30/2020 to 12/31/2020	In Progress	G	Project has been substantially completed. Work to clear construction exception ("punchlist") items proceeding and on-going.
E Terminal B Ramp Rehab	Terminal B Ramp Rehab.	2021 TBD	Upcoming	G	
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	Y	Project sponsor (PANYNJ) coordinating with Airlines on selection of the final Project Staging Plan. Runway closure dates and duration TBD. Project includes lighting systems upgrades.

**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

**T** To be determined



Project	2020						2021						2022						2023																
	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	APR	MAY
<b>A</b> RWY 1R/19L	Y	Y																																	
<b>B</b> RWY 19L RSA			G	G	G																														
<b>C</b> TWYs Y, Y2, Y3, Y4, & Y5									Y	Y	Y	Y	Y	Y	Y	Y	Y																		

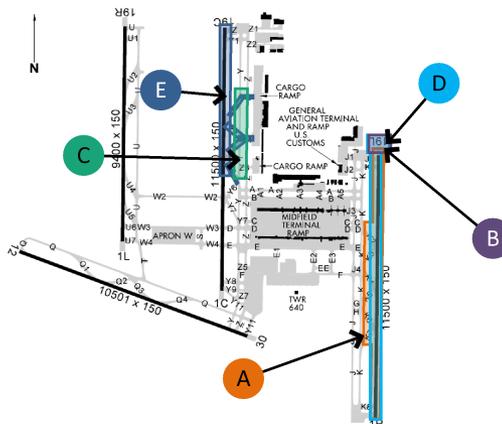
Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> RWY 1R/19L	RWY 1R/19L closed for rehabilitation, including TWYs K2, K3, K4, K5, K6 and K7.	07/20/2020 to 08/25/2020	Complete	<b>Y</b>	Project is to extend the life of the pavement for the runway and associated taxiways, including high-speed taxiways within the Runway Safety Area (RSA).
<b>B</b> RWY 19L RSA	Runway Safety Area (RSA) work for Approach Lighting System with Sequence Flashing Lights (ALSF) on RWY 19L.	09/14/2020 to 11/01/2020	In Progress	<b>G</b>	RWY 1R/19L potential operational impacts due to work inside the RSA. Runway will be closed from 0500-1500 M-F. Contractor is finalizing schedule. Minimum impact.
<b>C</b> TWYs Y, Y2, Y3, Y4, & Y5	Reconstruction and widening of TWYs Y, Y2, Y3, Y4 & Y5 outside the RSA.	03/01/2021 to 11/30/2021 TBD	Upcoming	<b>Y</b>	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. The work remains on schedule. MWAA has completed the 100% design phase.

**G** No capacity effect

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**T** To be determined



Project	2020						2021						2022						2023																
	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	APR	MAY
<b>D</b> RWY 19L ALSF-2 (1R/19L closure)				<b>G</b>	<b>G</b>	<b>G</b>																													
<b>E</b> RWY 1C/19C									<b>R</b>																										

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>D</b> RWY 19L ALSF-2 (1R/19L closure)	Update RWY 19L Approach Lighting System with Sequence Flashing Lights (ALSF-2). Open trench work at the approach end of RWY 19L. RWY 1R/19L closed: 0600-1400L daily. (Two RWYs 1C/19C and 1L/19R will be open).	10/05/2020 to 12/21/2020	Upcoming	<b>G</b>	RWY1R/19L potential operational impacts due to work inside the RSA. Work inside the Runway Safety Area (RSA) will be conducted first and is expected to last 14-21 days (10/5/20-10/26/20) depending on weather. Minimal impact at current traffic levels. After RSA work, the project will begin outside the RSA where there will be no impact. Contractor can begin work daily at their discretion and must be out of the RSA by 1400L daily. Tech Ops will verify the Glide Slope (GS) is within tolerance. The runway will be opened after the GS check, no later than 1500L. Plants completion planned for early December 2020 (prior to December moratorium).
<b>E</b> RWY 1C/19C	Reconstruction of the North section of RWY 1C/19C and 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	<b>R</b>	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. The work remains on schedule. MWAA has completed the 100% design phase.

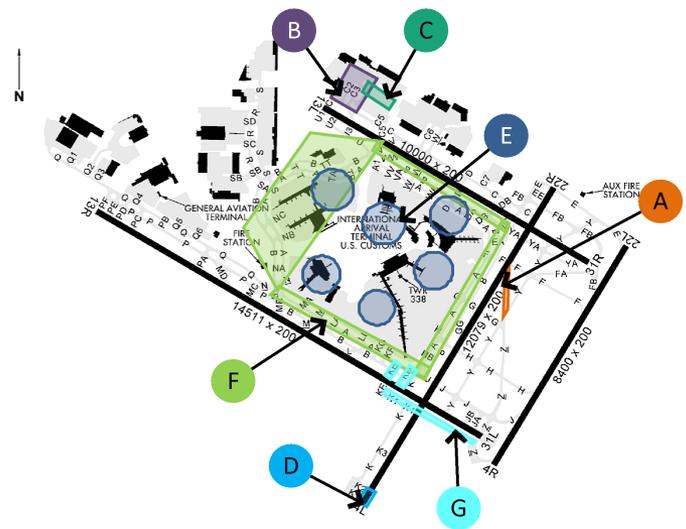
**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

**T** To be determined

IATA Level 3



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
<b>A</b> TWY Z	G	G	G	G																																
<b>B</b> TWYs C2 and C3 Enhancement Project	G	G	G	G	G																															
<b>C</b> Apron Hangars 3,4,5 North and South ramps	T	T	T	T	T	T																														

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> TWY Z	TWY Z closed for construction between RWY 4L/22R and TWY Y.	07/29/2019 to 10/30/2020	In Progress	<b>G</b>	Alternate TWYs available.
<b>B</b> TWYs C2 and C3 Enhancement Project	Relocation (Shift) and Reconstruction of TWYs C2, C3, and reconstruction of West portion of North Cargo Area Ramp.	12/13/2019 to Nov 2020 TBD	In Progress	<b>G</b>	Project has been substantially completed. Work to clear construction exception ("punchlist") items proceeding and ongoing.  Check current NOTAMS for status of taxiway closures.
<b>C</b> 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	<b>T</b>	Twy C5 closed between Twy C and Hangars 3,4 and 5 South ramp == 4/30/20-12/25/20.  Apron Hangars 3,4 and 5 North ramp closed== 1/4/20-6/30/20.  Apron Hangars 3,4 and 5 South ramp closed== 8/21/19-6/30/20.

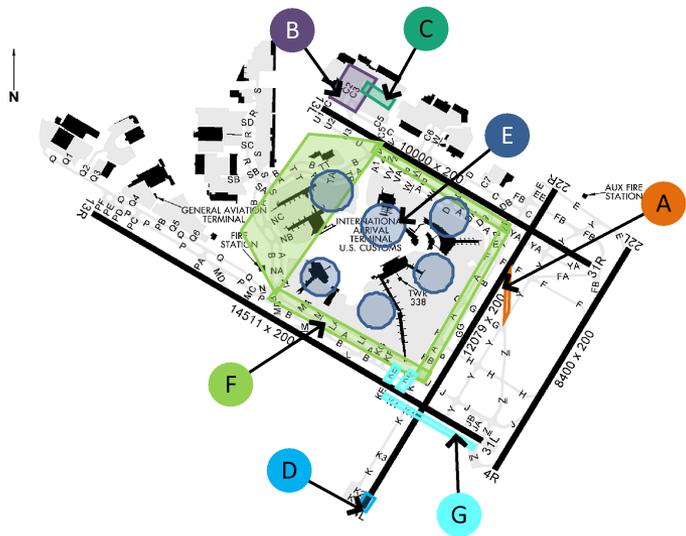
**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

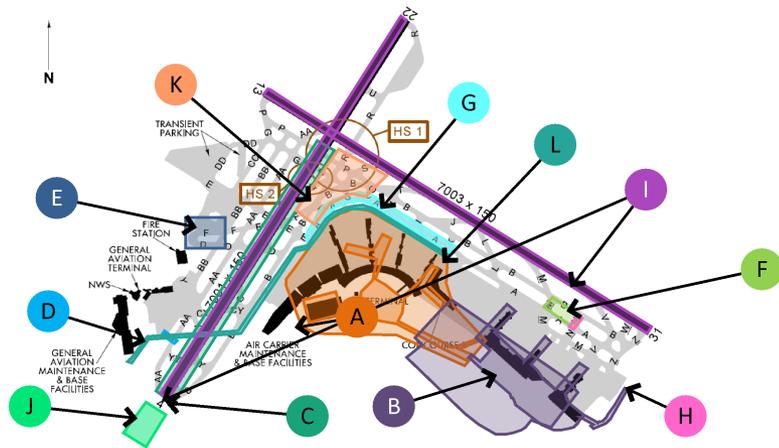
**T** To be determined

IATA Level 3



Project	2020						2021												2022												2023					
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D	G	G	G	G	G	G																														
E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
F									R	R	R	R	R	R	R	R	R																			
G											T	T	T	T	T	T	T																			

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 2020 TBD	Complete	G
E	Terminal Area	Redevelopment construction involving Terminals 1,4, and 5-7 and other areas.	Summer 2020 TBD to 2025 TBD	Upcoming	Y
F	TWYs A and B	Full reconstruction of TWYs A and B	March 2021 to November 2021	Upcoming	R
G	TWY K4 Extension	Effort lead by JFK Redevelopment for the construction/redevelopment of Taxiway K4.	Spring 2021 TBD to Fall 2021 TBD	Upcoming	T



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
<b>A</b> Terminal B	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y																		
<b>B</b> Terminals C & D	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	
<b>C</b> RWY 4/22	Y	Y	Y	Y	Y																															

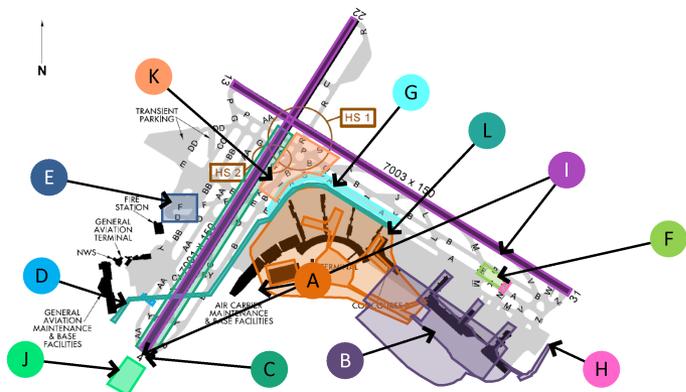
Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> Terminal B	Terminal B redevelopment of the Central Terminal Building (CTB). Construction expected to include the demolition of the existing terminal and associated infrastructure. Construction is for a new 35-gate terminal.	08/04/2015 to 11/07/2021	In Progress	<b>Y</b>	Concourse B now open. Headhouse opened June 2020. North portion of Concourse A opened on August 5th with first seven (7) gates.
<b>B</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	<b>G</b>	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.
<b>C</b> 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	<b>Y</b>	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.  Resurfacing of the runway crossings and turn-offs ongoing during extended weekend closures. Electrical work ongoing during the overnights.

**G** No capacity effect

**Y** Reduced Capacity and Delay impact

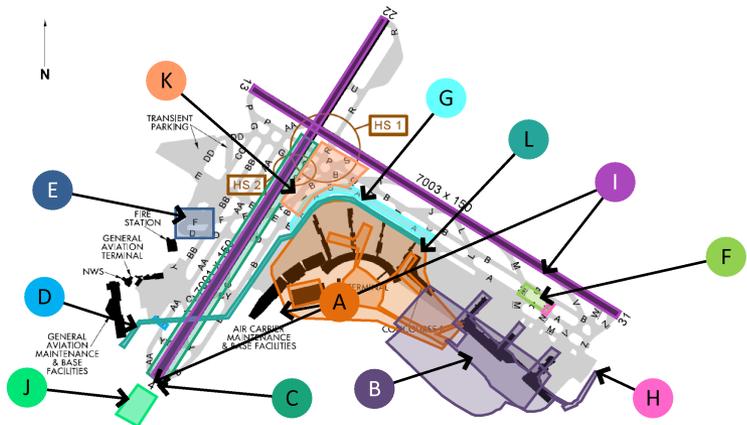
**R** Reduced Capacity and Greater Delay Impact

**T** To be determined



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
D TWY AC	G	G	G	G	G																															
E TWYS D and F	T	T	T	T																																
F TWY A Shoulder	G	G	G	G	G	G																														
G TWY A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y																		

Project	Description of Work	Estimated Dates	Status	Impact	Notes
D TWY AC	TWY AC closed	11/17/2019 to 11/17/2020	In Progress	G	
E 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	T	
F 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	G	Nightly closures from 2300-0700. Possible closure of TWY N between A and M.
G TWY A	TWY A closed for rehabilitation. Resurfacing TWY A between TWY E and TWY K.	04/26/2020 to September 2021	In Progress	Y	Originally, all work planned to be performed during nightly closures. PANYNJ is allowing some daytime work due to decreased airport operations resulting from the COVID-19 pandemic.  TWY A lighting circuits secured between TWY L and TWY H. Work will require overnight closures of TWY A.  Stage 1 paving will occur on a single extended weekend closure for (July 25th).  All startup diamonds on TWY A (except spot 23) will be removed by the end of this project.



Project	2020						2021						2022						2023																		
	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	APR	MAY	JUN	
H TWY N	G	G	G	G	G	G	G	G	G																												
I Rwy Closures	G	G	G	G	G																																
J RWY 4 Localizer																			G	G	G	G	G	G	G	G	G	G	G	G							
K TWYs P,R, B, G Rehabilitation																																			T	T	T

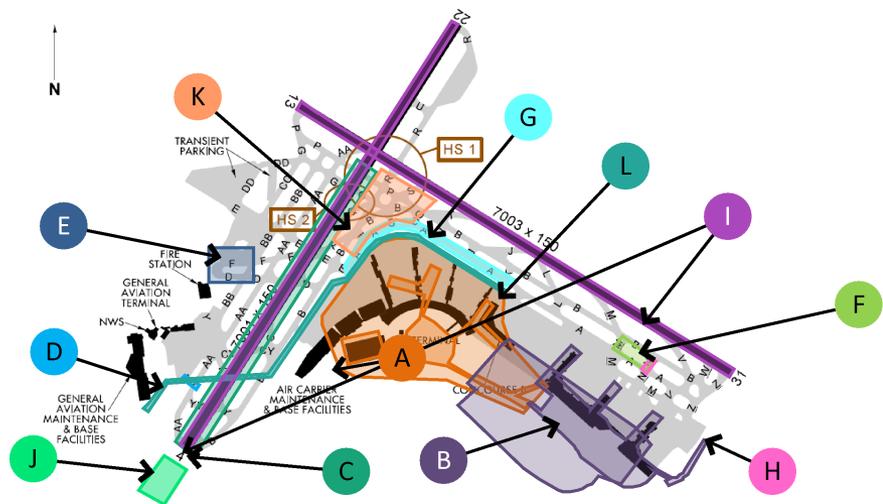
Project	Description of Work	Estimated Dates	Status	Impact	Notes
H TWY N	TWY N closed between TWY A and M.	04/07/2020 to 03/05/2021	In Progress	G	Closed to aircraft with wingspans greater than 118 feet.
I Rwy Closures	Airport closed for overnight work.	04/15/2020 to 11/08/2020	In Progress	G	Airport closed to fixed wing aircraft for routine repairs to runways and taxiways and to accommodate construction from 0000L to 0600L.
J RWY 4 Localizer	Construction of an extension of the runway deck platform.	2022 TBD	Upcoming	G	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.  PANYNJ noted that project is deferred until it can be budgeted.
K 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 (2023 & 2024).	Spring 2023 TBD to 2024 TBD	Upcoming	T	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.

**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

**T** To be determined



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
L Hydrant Fueling Line																																				

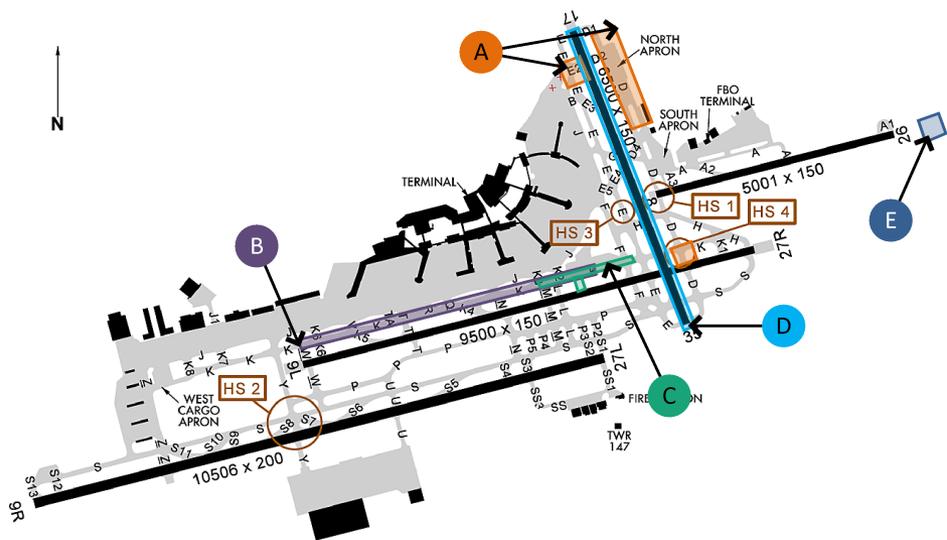
Project	Description of Work	Estimated Dates	Status	Impact	Notes
L Hydrant Fueling Line	Installation of fuel hydrants line.	Spring 2021 TBD to Winter 2021 TBD	Upcoming	T	Dates are tentative. This is a 28-phase project with most of the work done overnights. There will be some phases needing to be completed during the daytime. Segments of TWY B and TWY A will require reductions to ADG III or smaller. This will last for the duration of the project. Multiple segments may be worked on during the same time periods. More details will be shared as the phasing plan gets solidified.

**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

**T** To be determined



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
<b>A</b> Airfield North Apron	Y	Y	Y	Y	Y	Y																														
<b>B</b> TWY K Reconstruction	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y					
<b>C</b> TWYs K and L	G	G	G																																	
<b>D</b> RWY 17/35 Rehabilitation		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y																									
<b>E</b> RWY 26 RSA																								G	G	G	G	G	G							

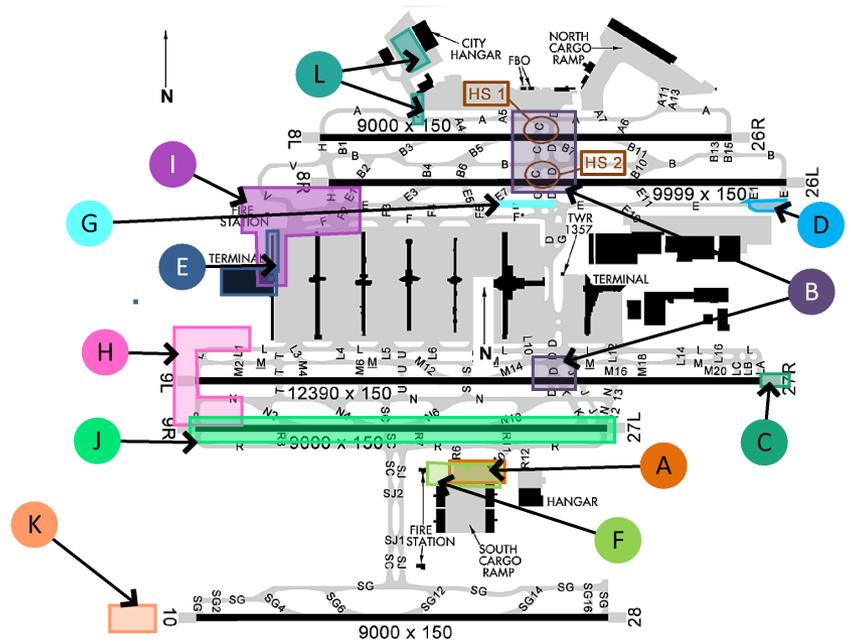
Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> Airfield North Apron	Reconstruction and rehabilitation of the North Apron, currently includes Taxiway E2 and RSA of Runway 17/35 and Taxiway K.	03/05/2019 to 2020 TBD	In Progress	Y	Phased closures on North Apron area. Project is near completion.
<b>B</b> TWY K Reconstruction	Reconstruction of TWY K. Construction includes demolition, paving, lighting, marking, and grading.	03/15/2020 to 01/31/2023	In Progress	Y	Potential for limited impact to adjacent TWYs.
<b>C</b> TWYs K and L	TWYs K and L closed.	05/04/2020 to September 2020	Complete	G	TWY K closed between TWY F and M. TWY L closed between RWY 9L/27R and TWY K.
<b>D</b> RWY 17/35 Rehabilitation	Pavement and lighting rehabilitation.	09/15/2020 to 06/15/2021	In Progress	Y	Schedule is tentative until contractor is selected.
<b>E</b> RWY 26 RSA	RWY 26 RSA Improvements. The airport is planning to install EMAS on the RWY 26 end.	05/01/2022 to 11/15/2022	Upcoming	G	These are very tentative dates.

**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

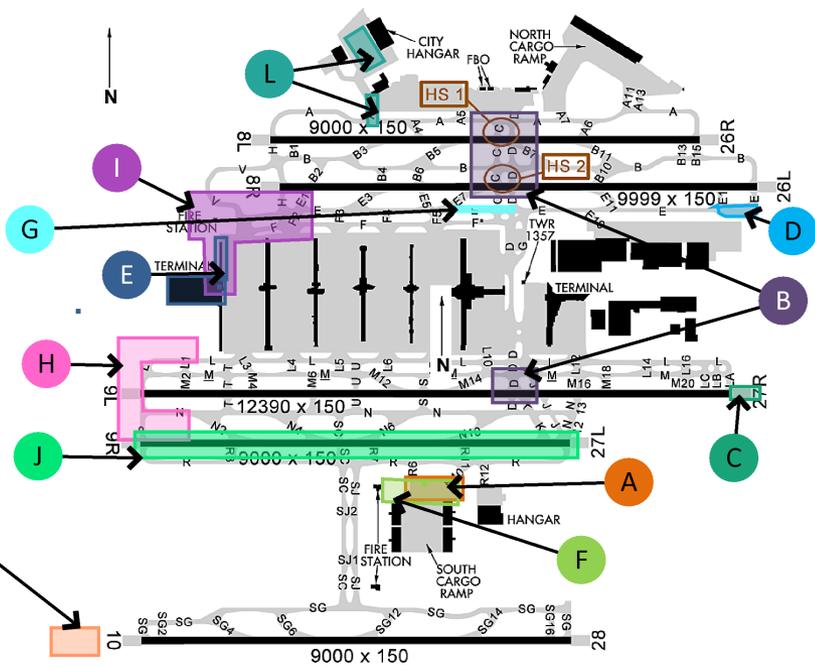
**T** To be determined



Project	2020						2021						2022						2023																	
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<b>A</b> South Cargo Expansion	G	G	G	G	G	G																														
<b>B</b> Hot Spots 1, 2, and 4	Y	Y	Y	Y	Y	Y																														

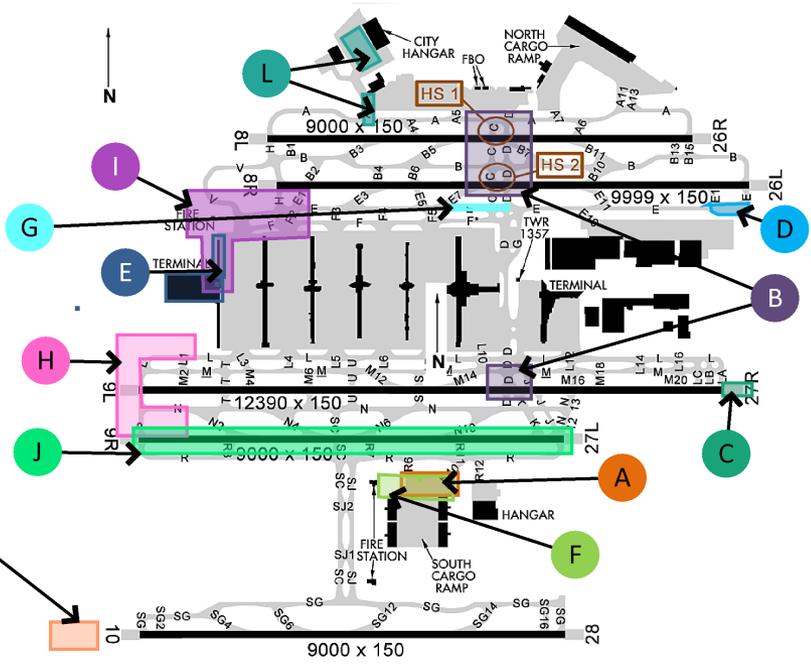
Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b>	South Cargo Expansion	Air cargo facilities (Building E) will be moved to this area of the complex.	06/01/2017 to 2020 TBD	In Progress	<b>G</b> Development of Cargo Building E and supporting ramp to provide for additional cargo facility capacity for all cargo/freighter carriers.
<b>B</b>	Hot Spots 1, 2, and 4	RWY Incursion Mitigation (RIM) 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 2020 TBD	In Progress	<b>Y</b> 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.  HS2 has been completed at 8R/26L. HS1 is in consult/design phase to shift TWY D exiting signature to the east.





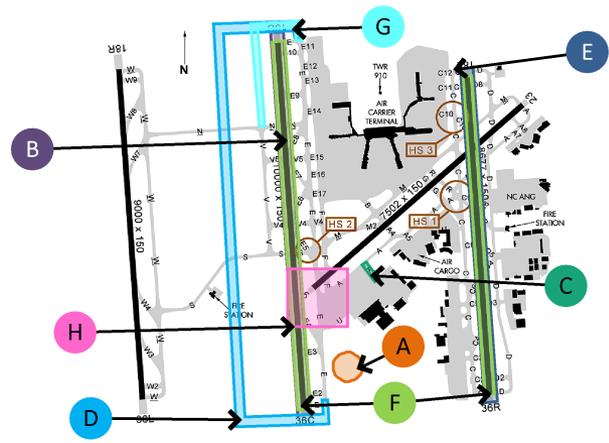
Project	2020						2021						2022						2023																	
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<b>G</b> TWY E				<b>G</b>																																
<b>H</b> RWY 9L End-Around TWY											<b>Y</b>																									
<b>I</b> Taxiway V / TWY V Bypass											<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>																						

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>G</b> TWY E	TWY E closed between E7 and Dixie.	10/04/2020 to 10/30/2020	Upcoming	<b>G</b>	This will be done as a future project and the new dates are unknown. Minor impact to operation. No delays expected.
<b>H</b> RWY 9L End-Around TWY	Construction of an end-around-taxiway (EAT) at RWY 9L to provide more efficient capacity and reduce delays.	05/01/2021 to 08/01/2022	Upcoming	<b>Y</b>	Impacts uncertain until designs are finalized.
<b>I</b> 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.	07/01/2021 to 10/01/2021	Upcoming	<b>Y</b>	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.



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
J RWY 9R/27L	Y																																			
K RWY 10 Glideslope													Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y												
L Ramp 19 and Taxiway A3													G	G	G	G	G																			

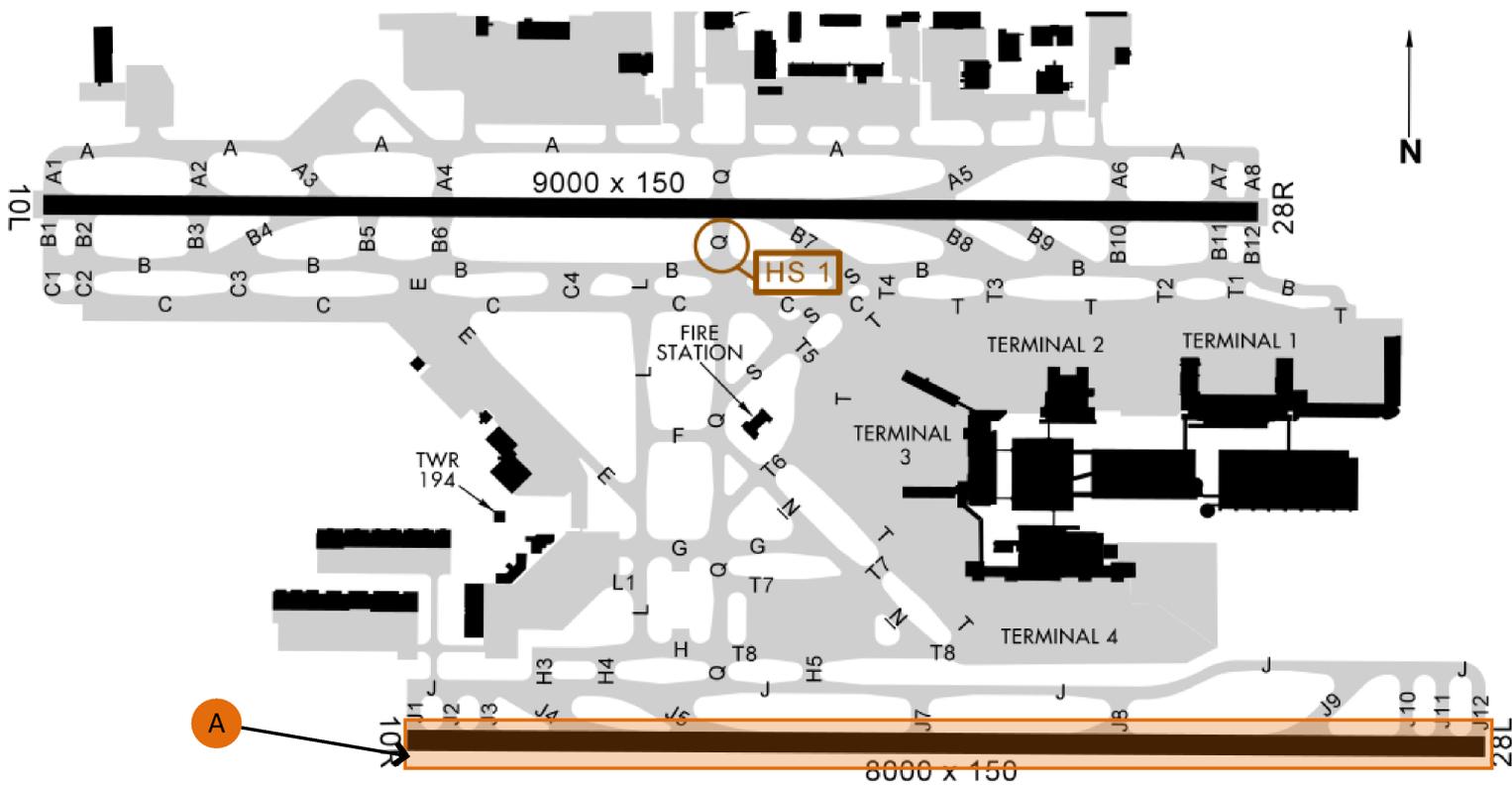
Project	Description of Work	Estimated Dates	Status	Impact	Notes	
J	RWY 9R/27L	RWY 9R/27L closure for slab replacement.	07/24/2020 to 07/29/2020	Complete	Y	Most likely TBFM delays through ZTL. Timesharing RWY 9L as both an arrival and departure runway. 6 SM final spacing with 160kts speed restrictions while in Triple Arrivals.
K	RWY 10 Glideslope	Safety area improvements on north complex and grading of RWY 10 glideslope reflective plane.	05/01/2021 to 05/01/2022	Upcoming	Y	Will reduce capacity during Instrument operations. Glideslope outage for 120 days. Localizer will be operational.  Project is in design phase. Construction Spring 2021.
L	Ramp 19 and Taxiway A3	Ramp 19 and Taxiway A3 Pavement Replacement.	07/01/2021 to 11/01/2021	Upcoming	G	Procurement cancelled. Will be rebid this summer for construction in 2021 and 2022  No impact to air traffic operations.



Project	2020						2021						2022						2023																
	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	APR	MAY
<b>A</b> Control Tower	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G																	
<b>B</b> RWY 18C/36C		G	G	G	G																														
<b>C</b> TWY A3			G	G																															
<b>D</b> New 4th Parallel RWY																																			

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b>	Control Tower	New FAA Control Tower.	06/02/2017 to 2021 TBD	In Progress	<b>G</b> Tower should be commissioned and operational in 2021.
<b>B</b>	RWY 18C/36C	RWY 18C/36C closed for joint seal replacement and north TWY E (E2 & E10). Nightly closures.	08/31/2020 to 11/30/2020	In Progress	<b>G</b> This project work expected to occur during overnight hours, between 2300-0600L daily.
<b>C</b>	TWY A3	TWY A3 closed.	09/01/2020 to 10/30/2020	In Progress	<b>G</b>
<b>D</b>	New 4th Parallel RWY	Build new runway to add capacity, 10,000 ft. x 150 ft., plus end-around TWYs.	08/22/2023 to 08/20/2026	Upcoming	<b>G</b> Multi-phased project. Currently in environmental review. Possible service interruptions due to infrastructure system tie-ins. Possible arrival/departure impacts due to equipment and construction cranes.





Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
<b>A</b> RWY 10R/28L	<b>G</b>																																			

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> RWY 10R/28L	RWY 10R/28L closed for pavement maintenance.	06/08/2020 to 07/02/2020	Complete	<b>G</b>	

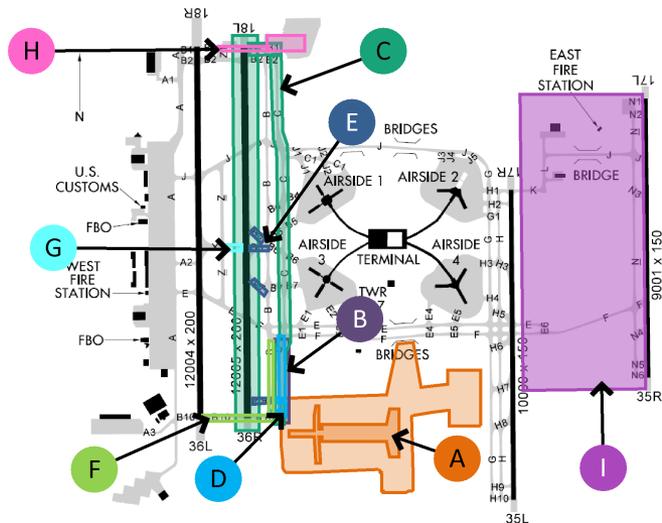
**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

**T** To be determined

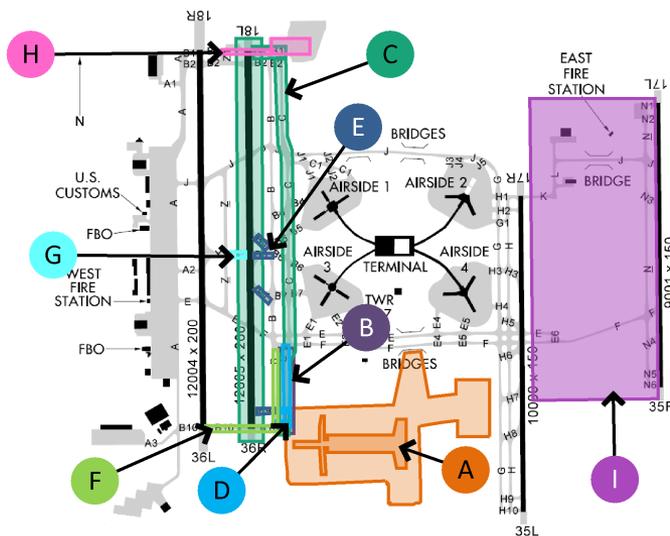
IATA Level 2



Project	2020						2021						2022						2023																
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<b>A</b> South Terminal Complex	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y											
<b>B</b> TWY C	Y	Y	Y	Y	Y	Y	Y	Y	Y																										
<b>C</b> RWY 18L/36R TWYS B1 & C	Y	Y	Y	Y																															

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> 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	<b>Y</b>	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>B</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	<b>Y</b>	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).
<b>C</b> 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 10/10/2020	In Progress	<b>Y</b>	RWY 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.

IATA Level 2



Project	2020						2021						2022						2023																
	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	APR	MAY
<b>D</b> TWYs B9, B10 and C	T	T	T	T	T	T	T	T	T																										
<b>E</b> TWYs B5, B6, B7 and B9	Y	Y	Y	Y																															
<b>F</b> TWY B & B10	T	T	T	T	T	T																													

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>D</b> 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	T	
<b>E</b> TWYs B5, B6, B7 and B9	TWYs B5, B6, B7 and B9 closed between RWY 18L/36R and TWY B.	01/13/2020 to 10/10/2020	In Progress	Y	
<b>F</b> TWY B & B10	TWYs B (partial) and B10 closed. TWY B closed between TWY F and B10.  TWY B10 closed between the approach ends of RWYs 36L and 36R.  TWY B10 closed between the approach end of RWY 36R and TWY C.	06/08/2020 to 2020 TBD	In Progress	T	The completion date has been delayed. Tentative completion date is 8/31/20.

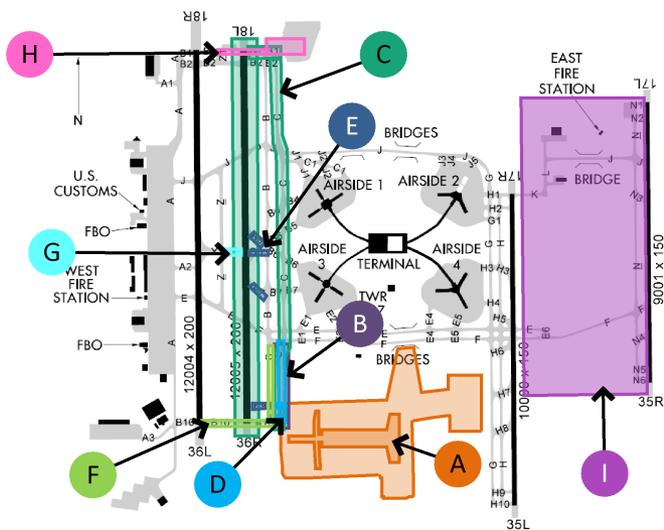
**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

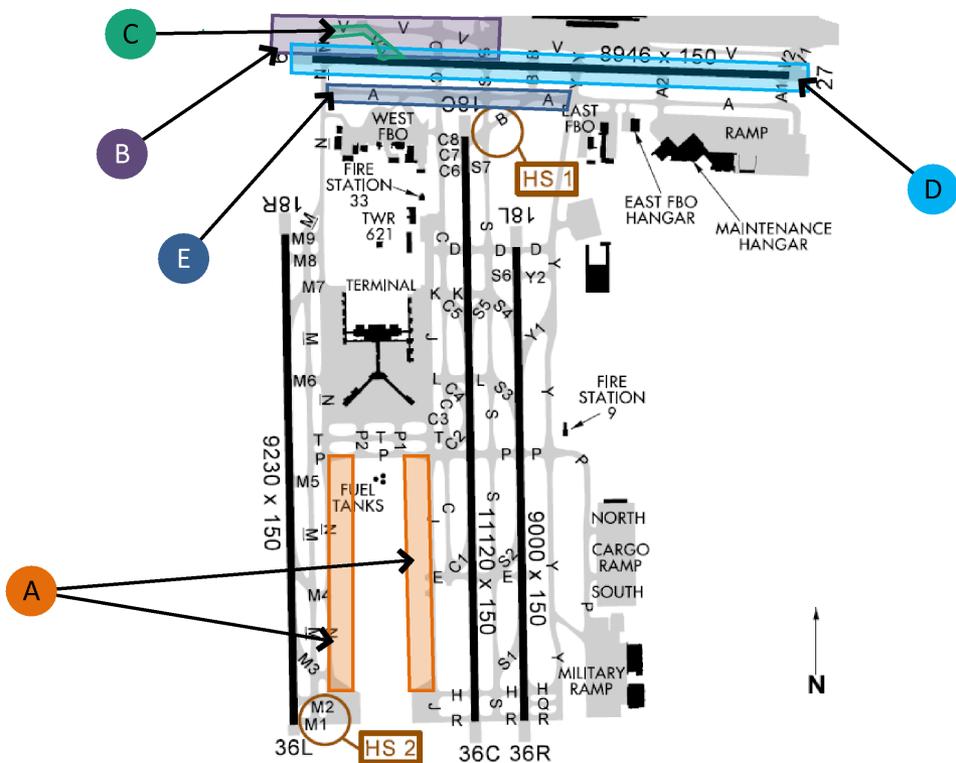
**T** To be determined

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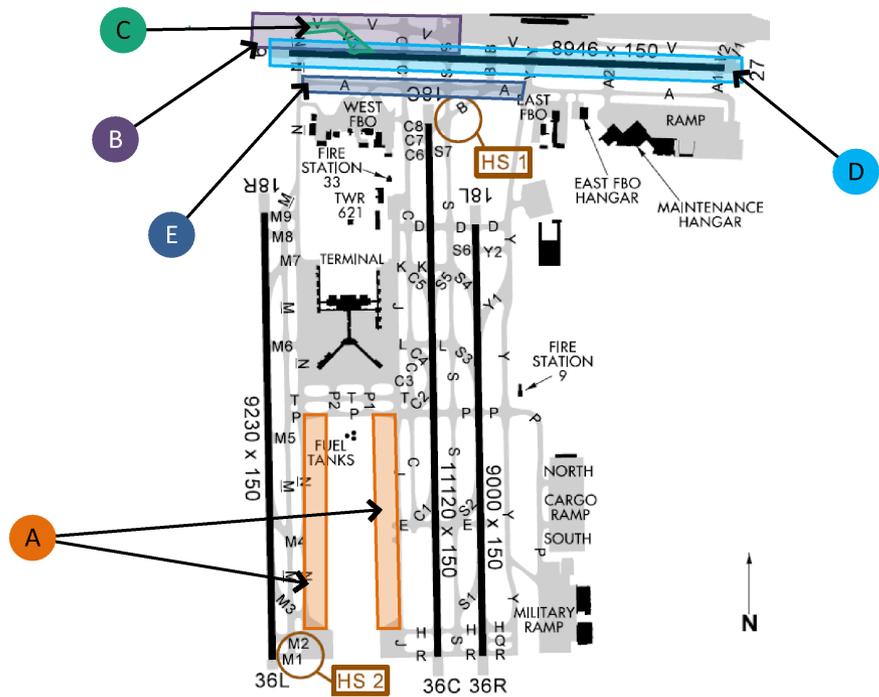
Project	2020						2021						2022						2023																
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G TWY Y	G	G																																	
H TWY B1	T																																		
I East-side Taxiways							R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		

Project	Description of Work	Estimated Dates	Status	Impact	Notes
G TWY Y	TWY Y closed between RWY18L/36R and TWY Z.	01/13/2020 to 08/09/2020	Complete	G	
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	Complete	T	
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	R	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.



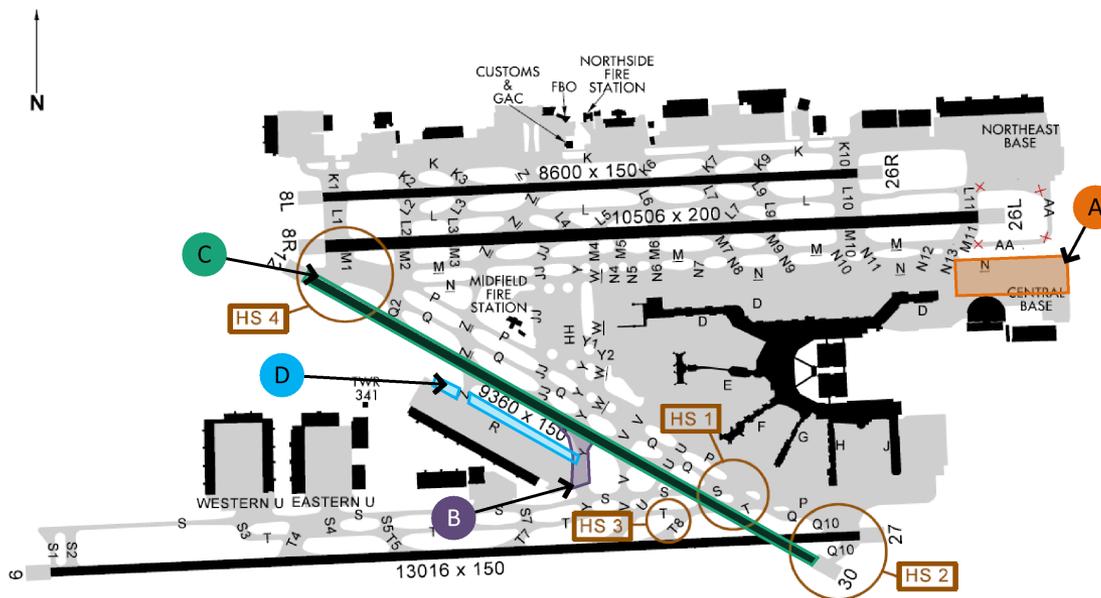
Project	2020						2021						2022						2023																
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<b>A</b> TWYs N & J Deicing Pad	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G								
<b>B</b> Ramp Area	G	G	G	G	G																														

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> 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	<b>G</b>	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>B</b> Ramp Area	Fed Ex ramp western area expansion.	02/01/2019 to 11/30/2020	In Progress	<b>G</b>	Sub projects associated with this operation expected to fluidly affect taxi operations. Crane operations planned.



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
C TWY V	T	T	T	T	T																															
D RWY 9/27 Status Lights							G	G	G	G	G	G	G	G	G	G	G	G																		
E TWY A																											G	G	G							

Project	Description of Work	Estimated Dates	Status	Impact	Notes
C	TWY V TWY V closed between TWY N and TWY V3.	05/18/2020 to 11/15/2020	In Progress	T	
D	RWY 9/27 Status Lights Runway 9/27 runway status lights (RWSL) system will be installed.	2021 TBD	Upcoming	G	Construction dates are TBD. Impact level will be changed if there is any effect on capacity or delays.
E	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	G	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.

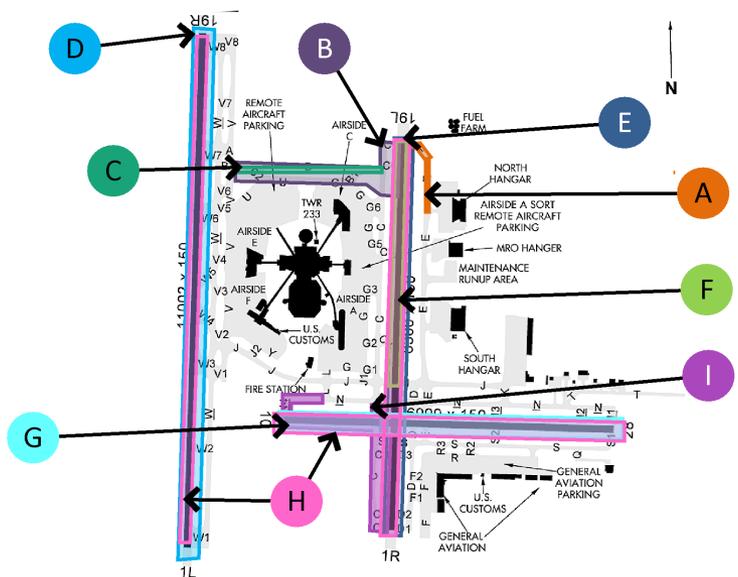


Project	2020						2021						2022						2023																	
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<b>A</b> Central Base Ramp	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y						
<b>B</b> TWY Y																																				
<b>C</b> RWY 12/30 Closure	Y	Y	Y	Y	Y	Y																														
<b>D</b> TWY R Extension	G	G	G	G	G	G	G	G	G	G	G																									

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> Central Base Ramp	Central Base (East side) ramp expansion and taxiway tie-in.	June 2019 to 2022 TBD	In Progress	Y	Project will impact operations during taxiway tie-in work at the N-13 intersection.
<b>B</b> TWY Y	TWY Y closed for upgrades.	11/25/2019 to 05/30/2020	Complete	G	Limited impact, with possible increased taxi times. Expecting major construction work during mid-shift hours
<b>C</b> RWY 12/30 Closure	Runway 12/30 closed for Taxiway R construction tie-in.	04/19/2020 to 11/02/2020	In Progress	Y	Taxiway R construction in progress; runway closure as indicated.
<b>D</b> TWY R Extension	TWY R closed for extension.	06/20/2020 to May 2021	In Progress	G	Will close on June 20, 2020.







Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
Multiple TWYs	G																																			
RWY 1R/19L Lights																																				

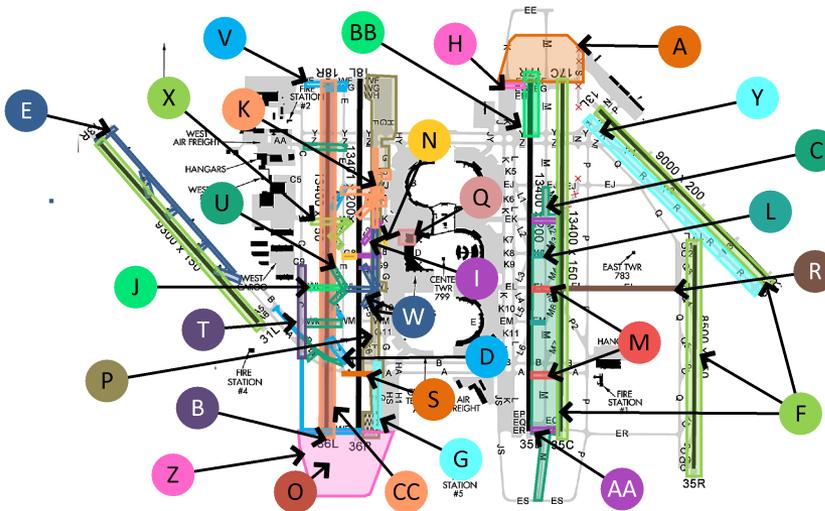
Project	Description of Work	Estimated Dates	Status	Impact	Notes
Multiple TWYs	Multiple TWYs closed temporarily for renaming taxiways and signage.	11/04/2019 to 07/01/2020	Complete	G	
RWY 1R/19L Lights	Installation of runway guard lights (RGLs) on the taxiways around the intersection of RWY 10/28 and RWY 1R/19L.	02/17/2020 to 03/31/2020	Complete	R	Project expected to close associated TWYs which impact aircraft entering/exiting RWYs.

**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

**T** To be determined



Project	2020						2021						2022						2023																
	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	APR	MAY
<b>A</b> Northeast End-Around Taxiway	G	G	G	G	G	G																													
<b>B</b> RWY 18R/36L Mill and Overlay	G	R	R	R	R	R	R	R	R	R	Y	Y	Y	Y																					

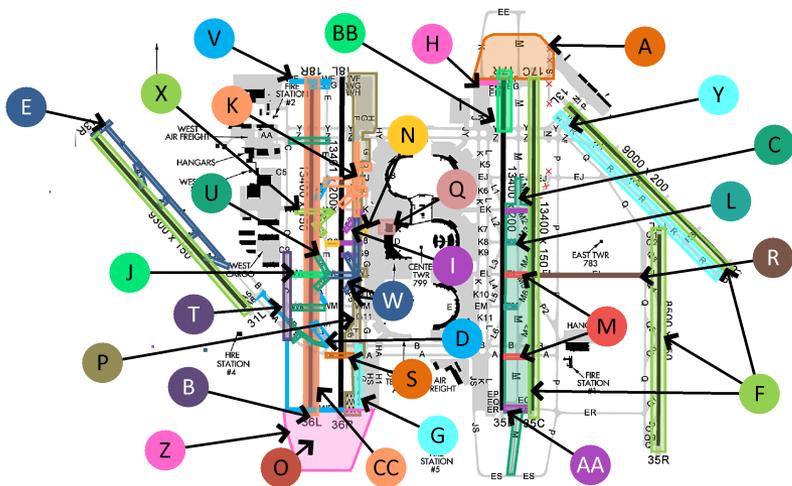
Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> Northeast End-Around Taxiway	RWYs 17C and 17R, Northeast End-Around Taxiway (EAT). Package I: Taxiway P realignment will need non-simultaneous closures of TWYS Y/N and Z/P, 5/24/18 to 10/19/2019.	05/24/2018 to 12/31/2020	In Progress	G	
	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	G	
	Package III: Glycol facilities relocation near the approach end of RWY 17R.	07/09/2019 to 06/30/2020	Complete	G	
<b>B</b> 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	Complete	G	Preparation for full closure. RWY 18R/36L nightly closures in preparation for upcoming rehabilitation.
	RWY 18R/36L closed for rehabilitation.	08/18/2020 to 04/30/2021	In Progress	R	Lowered AAR for the duration of construction will require greater use of TMIs, GDP, and MIT. Expecting TWYs A and B to reopen on 12/8/20.
	Full closure until 4/16/21, followed by flight checks between 4/17/21 to 4/30/21.	05/01/2021 to 08/30/2021	Upcoming	Y	Nightly work estimated for 122 Calendar Days.

**G** No capacity effect

**Y** Reduced Capacity and Delay impact

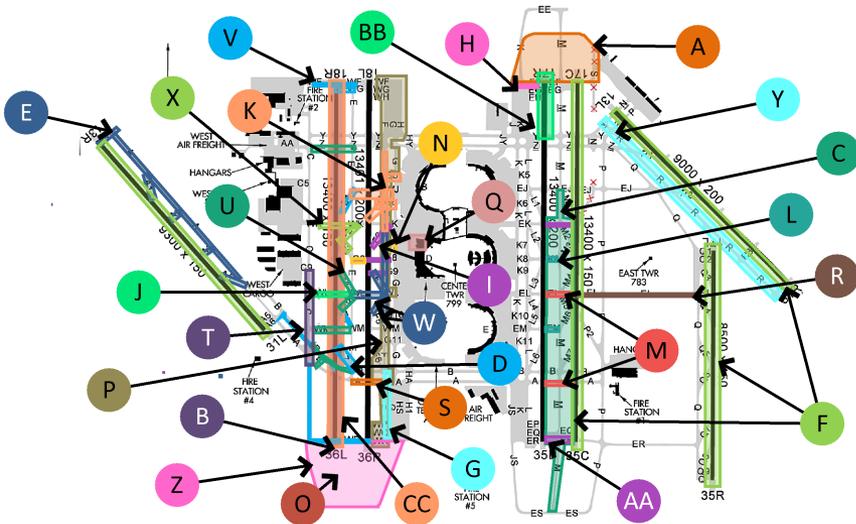
**R** Reduced Capacity and Greater Delay Impact

**T** To be determined



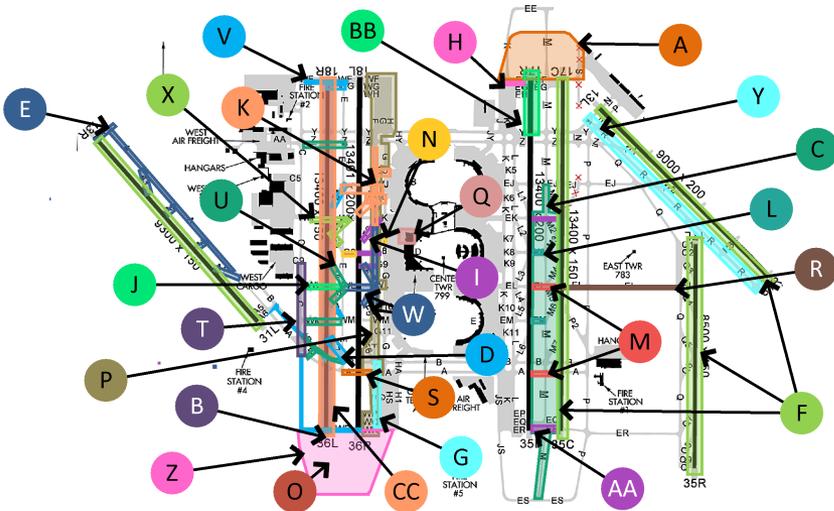
Project	2020						2021						2022						2023																	
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<b>C</b> TWY M South	Y	Y	Y	Y																																
<b>D</b> TWY E7	T	T	T	T																																
<b>E</b> TWYs A, A1,A2, A3, A4	T	T	T	T																																
<b>F</b> RWYs 17C/35C, 17L/35R, 13R/31L, and 13L/31R Restricted	T	T	T	T	T	T																														
<b>G</b> TWY F to WQ	T	T	T	T																																

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>C</b> TWY M South	TWY M South closed for construction.	10/30/2019 to 10/31/2020	In Progress	<b>Y</b>	Lessened access to high speed turn-offs in south flow will increase taxi-in times.
<b>D</b> TWY E7	TWY E7 closed.	05/11/2020 to 10/31/2020	In Progress	<b>T</b>	
<b>E</b> 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 10/31/2020	In Progress	<b>T</b>	
<b>F</b> RWYs 17C/35C, 17L/35R, 13R/31L, and 13L/31R Restricted	RWYs 17C/35C, 17L/35R, 13R/31L, and 13L/31R closed to aircraft with wingspans greater than 214 feet.	06/18/2020 to 12/31/2020	In Progress	<b>T</b>	
<b>G</b> TWY F to WQ	TWY F closed between TWY B and TWY WQ.	07/31/2020 to 10/31/2020	In Progress	<b>T</b>	



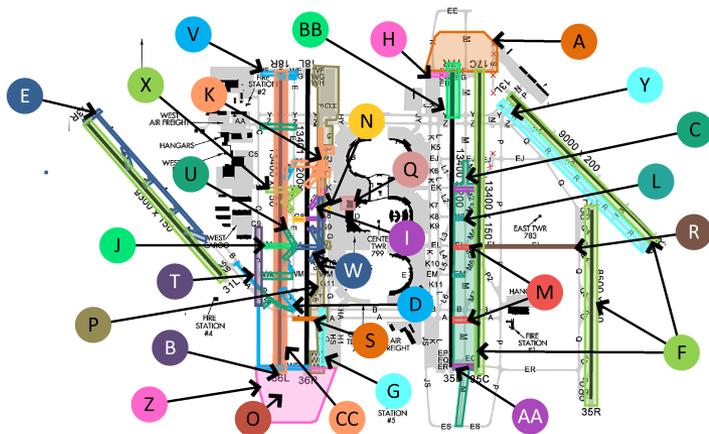
Project	2020						2021						2022						2023																	
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H TWYs J and EF	G	G	G																																	
I TWYs F2, G8, and G9.	Y	Y	Y	Y																																
J TWY WL	T	T	T	T	T	T	T	T	T																											
K TWYs F,F1, G5, G6, WJ	T	T	T	T	T	T	T	T																												

Project	Description of Work	Estimated Dates	Status	Impact	Notes
H	TWYs J and EF closed. TWY EF closed between approach end of RWY 17R and TWY J. TWY J north 200 feet closed.	04/15/2020 to 09/30/2020	In Progress	G	Part of Northeast End-Around Taxiway Package 3.
I	TWYs F2, G8, and G9. TWYs F2, G8 and G9 closed between RWY 18L/36R and TWYs F and G.	05/02/2020 to 10/31/2020	In Progress	Y	
J	TWY WL closed between RWY 18R/36L and TWY E and TWY C.	05/18/2020 to 03/31/2021	In Progress	T	
K	TWY F, F1, G5, G6 and WJ closed. TWY F closed between TWY WK and Z. TWY F1 closed between RWY 18L/36R and TWY F. TWYs G5 and G6 closed between TWYs F and G. TWY WJ closed between TWY E and TWY G.	07/21/2020 to 02/28/2021	In Progress	T	



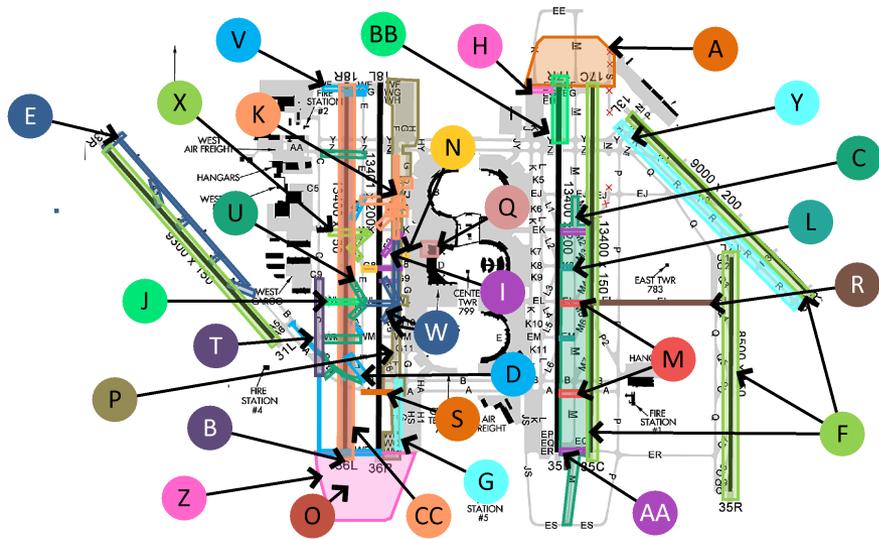
Project	2020						2021						2022						2023																	
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
L TWYs EM & K8	G	G	G																																	
M TWYs A & EL		Y	Y	Y																																
N TWYs G7 & G8	G	G	G	G																																
O RWY 18R/36L Rehab	R	R	R	R	R	R	R	R																												

Project	Description of Work	Estimated Dates	Status	Impact	Notes
L	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	G	
M	TWYs A and EL closed between RWYs 17C/35C and 17R/35L.	11/01/2019 to 09/30/2020	In Progress	Y	
N	TWY G7 closed between TWY F and TWY G. TWY G8 closed between TWY E and RWY 18L/36R.	01/29/2020 to 10/31/2020	In Progress	G	Part of TWY F rehabilitation phases 4-5.
O	RWY 18R/36L closed for rehabilitation.	06/01/2020 to 02/28/2021	In Progress	R	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.



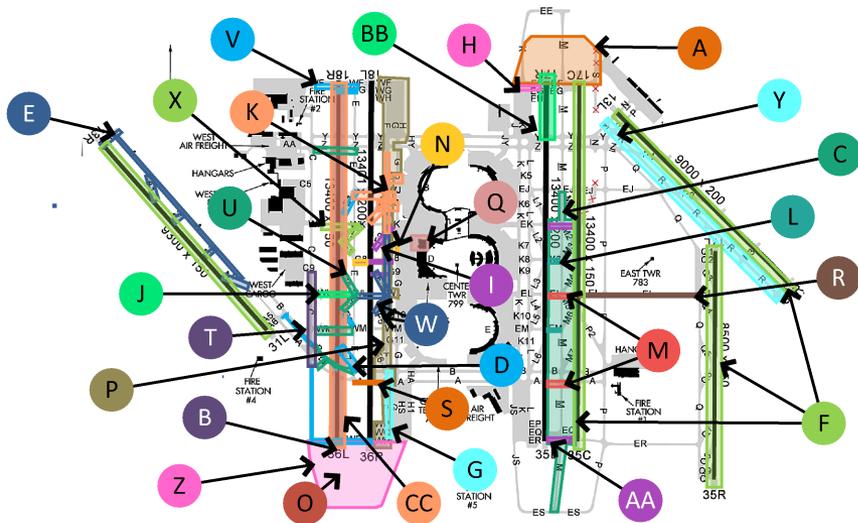
Project	2020						2021						2022						2023																
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P	Y	Y	Y	Y	Y	Y	Y																												
Q	T	T	T	T	T	T	T	T	T																										
R	T	T	T	T	T	T																													
S	T	T	T	T	T	T																													
T	T	T	T	T	T	T	T	T																											

Project	Description of Work	Estimated Dates	Status	Impact	Notes
P	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	Y	Multiple access points will be left open to minimize impact. Possible increase to taxi-out/taxi-in times. Includes upgrading to LED taxiway lighting.
Q	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	T	Apron Terminal D closed between gates D6 and D10.
R	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 12/31/2020	In Progress	T	
S	TWY A TWY A closed between TWYs G and E.	05/22/2020 to 12/31/2020	In Progress	T	
T	TW C TWY C closed between TWY C9 to TWY A.	05/29/2020 to 02/28/2021	In Progress	T	



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
U	T	T	T	T																																
V	T	T	T	T	T	T	T	T																												

Project	Description of Work	Estimated Dates	Status	Impact	Notes
U	TWYs B,E,D,WM,E4,E5 and Z 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	T	
V	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	T	



Project	2020						2021						2022						2023																
	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	APR	MAY
W TWYs F, F3, F4, WL	Y	Y	Y	Y																															
X TWYs E2, E3 and WK	T	T	T	T	T	T																													
Y TWY R							G	G	G	G	G	G																							
Z Southwest End-Around Taxiway																			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Project	Description of Work	Estimated Dates	Status	Impact	Notes
W	TWY F closed from WK to G10. F3 and F4 closed between RWY 18L/36R and TWY F. TWY WL closed between TWY E and TWY G.	01/30/2020 to 10/31/2020	In Progress	Y	Part of TWY F rehabilitation phases 4-5
X	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	T	
Y	TWY R closed for rehabilitation and electrical improvements.	01/01/2021 to 06/30/2021	Upcoming	G	
Z	RWYs 36L and 36R Southwest End-Around Taxiway (EAT). Package I, 3/1/2021 to 3/1/2023.	03/01/2021 to 03/01/2023	Upcoming	Y	Possible increase to taxi-in/taxi-out times.
	Runway 36L & 36R South Section. Package II.	07/01/2023 to 09/30/2025	Upcoming	G	

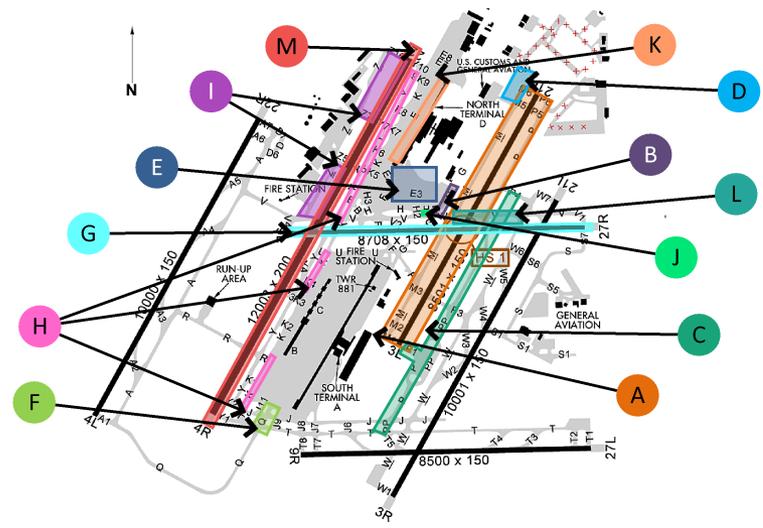
**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

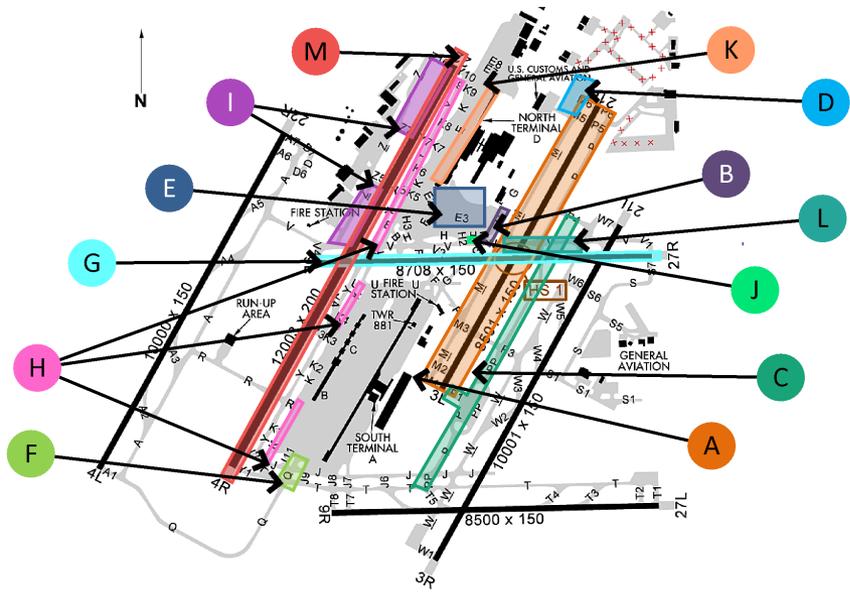
**T** To be determined





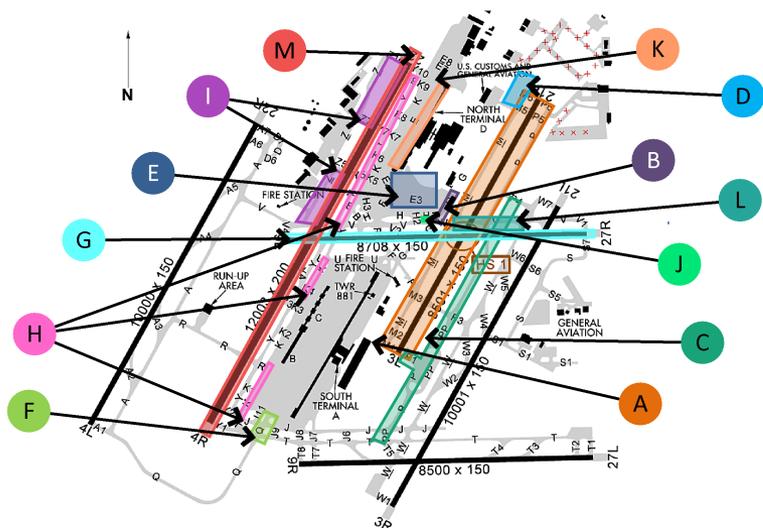
Project	2020						2021						2022						2023																	
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<b>A</b> RWY 3L/21R and TWY M	Y	Y	Y																																	
<b>B</b> Apron Taxilane G	G	G	G	G	G																															
<b>C</b> TWYs P & PP	Y	Y	Y	Y	Y																															

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> RWY 3L/21R and TWY M	Taxiway will be closed for rehabilitation and construction.	04/01/2020 to 09/30/2020	In Progress	<b>Y</b>	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	<b>Y</b>	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>B</b> Apron Taxilane G	Apron Taxilane G closed.	04/01/2020 to 11/15/2020	In Progress	<b>G</b>	
<b>C</b> 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 11/15/2020	In Progress	<b>Y</b>	Multi-phased project to allow for crossings to be maintained and facilitate ground movement of aircraft from RWY 3R/21L and tenant locations.  TWY P north of RWY 9L/27R will be open on September 28, 2020. TWY P between TW J and RWY 9L/27R will open November 15, 2020.



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
<b>D</b> Runway 21R Deicing Pad Removal	Y	Y	Y	Y	Y	Y																														
<b>E</b> Centralized Deicing Facility (CDF)	Y	Y	Y	Y	Y																															
<b>F</b> McNamara Apron Rehabilitation	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G																			

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>D</b> Runway 21R Deicing Pad Removal	RWY 21R deicing pad will be removed and a new taxiway hold bay created.	2020 TBD	In Progress	<b>Y</b>	Project will demolish RWY 21R deicing pad and construct a hold bay. RWY 3L/21R will remain open during construction. Postponed no new date known.
<b>E</b> 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 11/15/2020	In Progress	<b>Y</b>	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.
<b>F</b> 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	<b>G</b>	Project is in non-movement area and will be broken into phases. Project is not expected to have much impact on ground movement. Some portions of this project were delayed due to COVID. New date not determined.



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
<b>G</b> RWY 9L/27R	Y	Y	Y	Y	Y	Y																														
<b>H</b> TWYs K and Y Rehabilitation									Y	Y	Y	Y	Y	Y	Y	Y	Y	Y																		
<b>I</b> TWY Z Reconstruction																																				

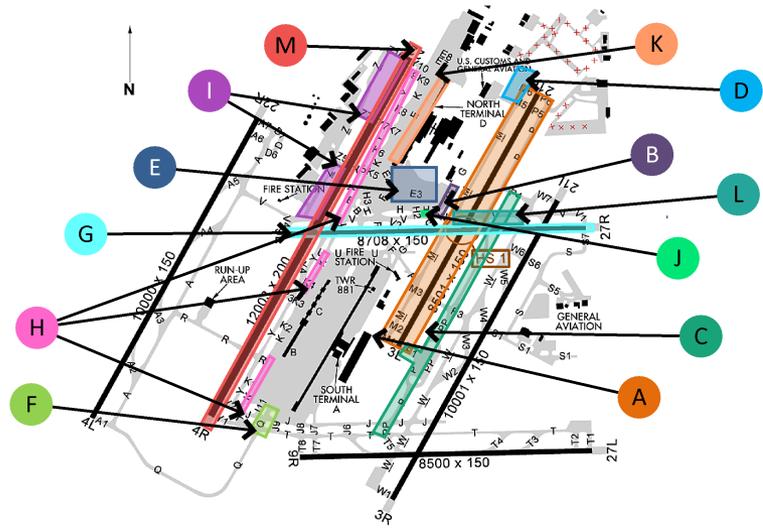
Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>G</b> RWY 9L/27R	Runway will be closed so that TWY P can be constructed to cross RWY 9L/27R. Runway closed except for taxiing between TWYs M and Y and TWY W and RWY 3R/21L.	07/07/2020 to 12/31/2020	In Progress	<b>Y</b>	RWY 9L/27R is the 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.
<b>H</b> TWYs K and Y Rehabilitation	TWYs K and Y closed for rehabilitation and reconstruction. TWY Y closed north of RWY 9L/27R and TWY K south of RWY 9L/27R.	04/01/2021 to 11/15/2021	Upcoming	<b>Y</b>	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	<b>Y</b>	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.
<b>I</b> TWY Z Reconstruction	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	<b>G</b>	Taxiway Z will be relocated out to standard separation. Reconstruction was delayed.

**G** No capacity effect

**Y** Reduced Capacity and Delay impact

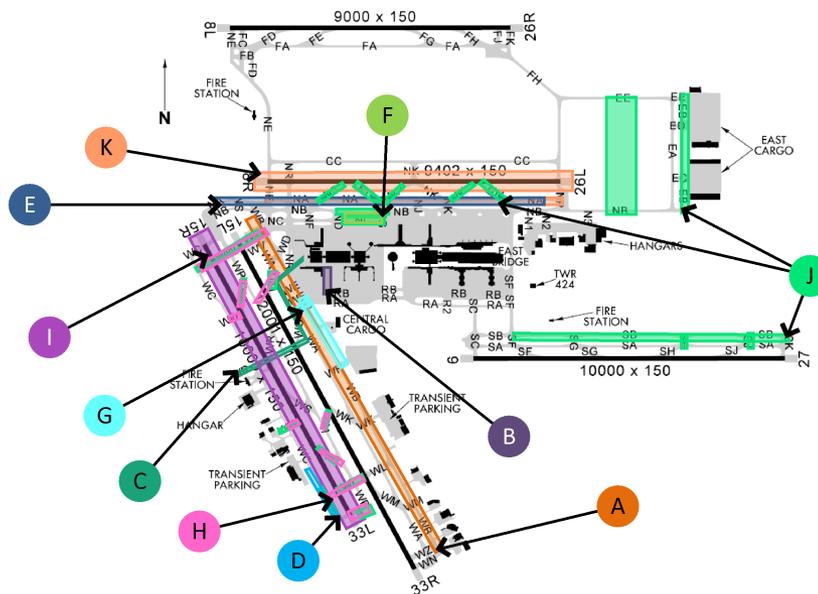
**R** Reduced Capacity and Greater Delay Impact

**T** To be determined



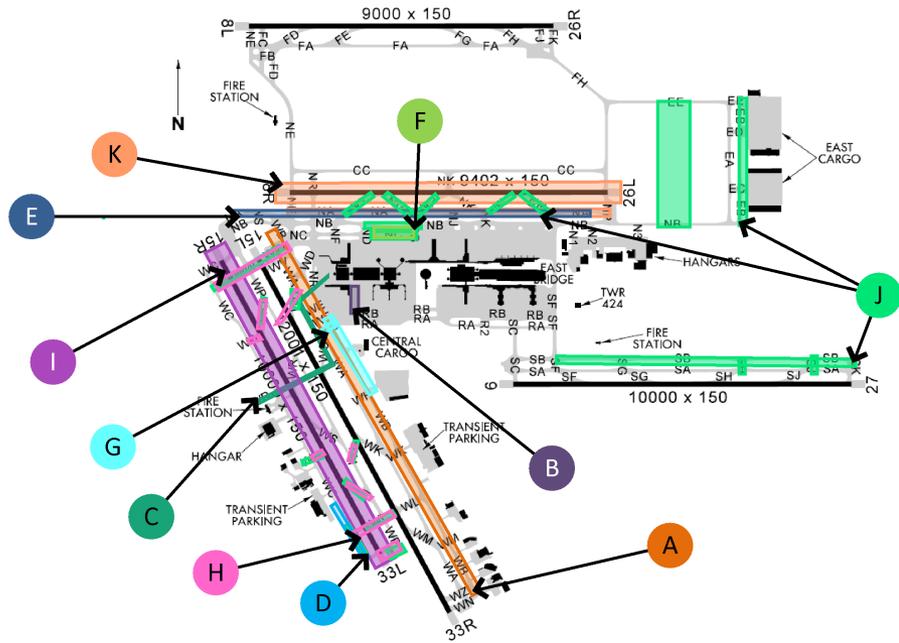
	Project	2020					2021						2022						2023											
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J	TWY H	G																												
K	North Terminal Expansion	G																												
L	TWY V		T	T																										
M	RWY 4R/22L							R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R

Project	Description of Work	Estimated Dates	Status	Impact	Notes
J	TWY H	TWY H closed between TWY G and H2.	04/01/2020 to 07/31/2020	Complete	G
K	North Terminal Expansion	North Terminal Apron rehabilitation in the vicinity of Taxiway E7 and E8.	04/15/2023 to 07/30/2023	Upcoming	G
		North Terminal gate expansion ( three gates), Apron rehabilitation, and return overnight (RON) parking.	04/15/2020 to 07/30/2020	Complete	G
L	TWY V	TWY V closed between TWY M to TWY W.	08/01/2020 to 09/03/2020	Complete	T
M	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.	2021 TBD	Upcoming	R



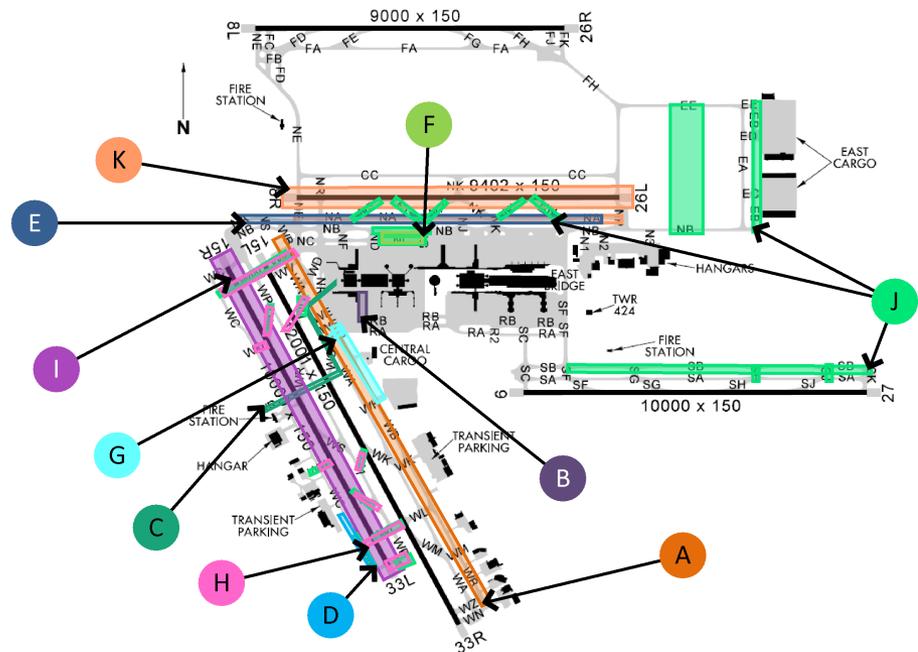
Project	2020						2021						2022						2023																	
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
<b>A</b> TWY WB Reconstruction	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G																		
<b>B</b> Taxilane RC	G	G	G	G																																
<b>C</b> Airport Sanitary Sewer Mains	G	G	G	G	G	G	G	G	G	G	G	G																								
<b>D</b> TWY WC		T	T	T																																

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> TWY WB Reconstruction	Complete reconstruction of TWY WB.	Jan 2020 TBD to 12/03/2021	In Progress	<b>G</b>	Phased closures in effect..
	Complete reconstruction of Taxiway WB.	Jan 2020 TBD to 12/03/2021	In Progress	<b>G</b>	Phased closures in effect.
<b>B</b> Taxilane RC	Apron Taxilane RC closed between gate A19 and A20 daily 0300-1200.	03/09/2020 to 10/31/2020	In Progress	<b>G</b>	
<b>C</b> 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	<b>G</b>	Estimated project duration 419 days. Will affect Runway 15L/15R for nightly closures.
<b>D</b> TWY WC	TWY WC closed south 2200 feet.	08/03/2020 to 10/15/2020	In Progress	<b>T</b>	



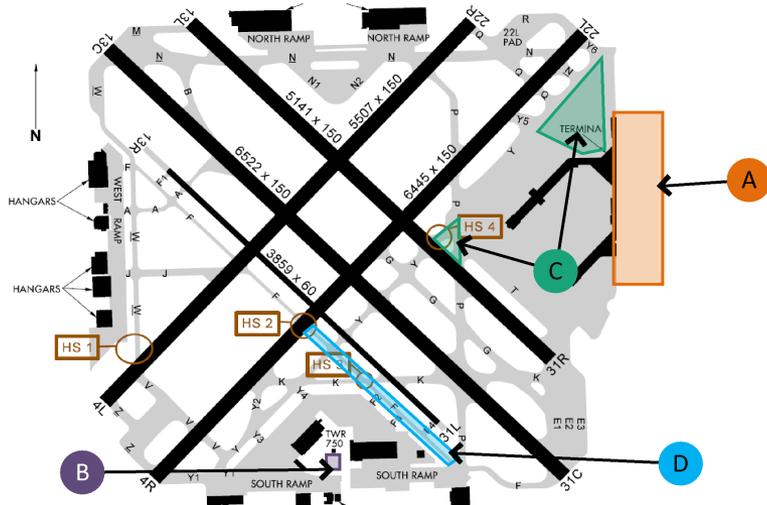
Project	2020						2021						2022						2023																	
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<b>E</b> TWY NA	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R																		
<b>F</b> TWY NC	T	T	T	T	T	T																														
<b>G</b> TWYs WB and WG		T	T																																	
<b>H</b> TWYs WP, WD, WW, WL, WQ, WU, WT		T	T	T																																

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>E</b> TWY NA	TWY NA phased closures in conjunction for widening to accommodate ADG VI aircraft.	2020 TBD to 2021 TBD	Upcoming	<b>R</b>	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.
<b>F</b> TWY NC	TWY NC closed between NC Spot 9 to TWY NG to aircraft with wingspans greater than 130 feet.	07/17/2020 to 12/31/2020	In Progress	<b>T</b>	
<b>G</b> TWYs WB and WG	TWY WB closed between TWY WF and TWY WH. TWY WG closed between TWY WA and WB.	08/03/2020 to 09/30/2020	In Progress	<b>T</b>	
<b>H</b> TWYs WP, WD, WW, WL, WQ, WU, WT	TWYs WP, WD, WW, WL, WQ, WU, and WT closed between RWY 15L/33R or 15R/33L and TWYs WC or WP.	08/03/2020 to 10/15/2020	In Progress	<b>T</b>	



Project	2020						2021						2022						2023																	
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<b>I</b> RWY 15R/33L Aircraft Parking	G	G																																		
<b>J</b> TWYs Aircraft Parking	G	G																																		
<b>K</b> RWY 8R/26L & TWYs	G																																			

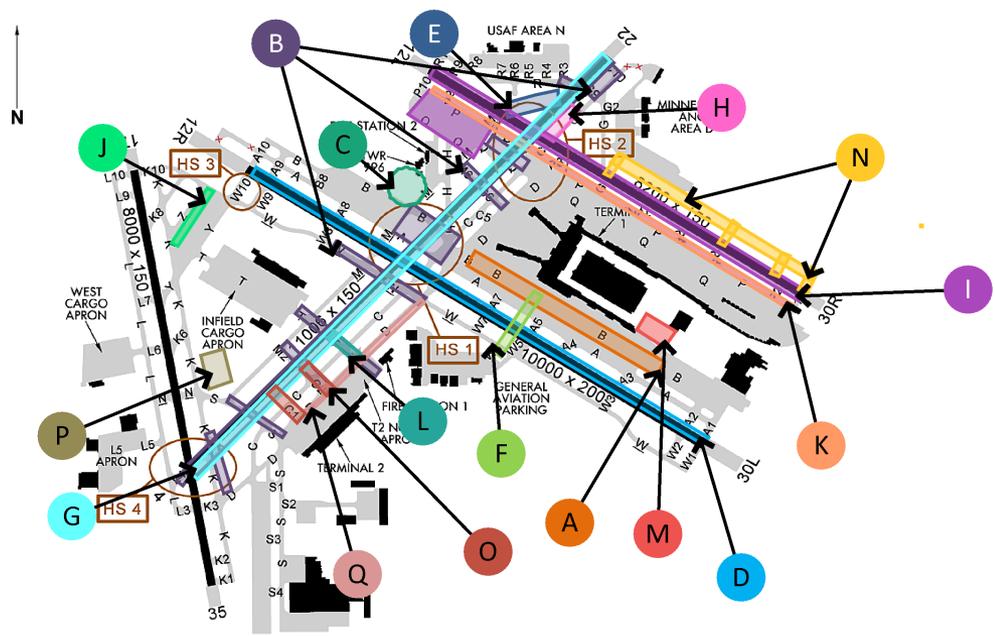
Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>I</b> RWY 15R/33L Aircraft Parking	Due to the temporary reduction in flying caused by COVID-19, Runway 15R will be closed to park or stage inactive aircraft. All NAVAIDS for the associated runway will be deactivated.	05/11/2020 to 08/15/2020	Complete	<b>G</b>	Closures for long term parked aircraft.
<b>J</b> TWYs Aircraft Parking	Multiple taxiways used for aircraft parking.	05/12/2020 to 08/15/2020	Complete	<b>G</b>	
<b>K</b> RWY 8R/26L & TWYs	RWY 8R/26L and associated TWYs closed for maintenance. Continuous closure - 21 days	06/03/2020 to 07/04/2020	Complete	<b>G</b>	*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.



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
<b>A</b> Terminal Parking Garage	G	G	G	G	G	G																														
<b>B</b> RTR Relocation	G	G	G	G	G	G	G	G	G	G	G	G																								
<b>C</b> Concourse B & C, TWY Y Reconstruction			Y	Y	Y																															
<b>D</b> TWY F							T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T						

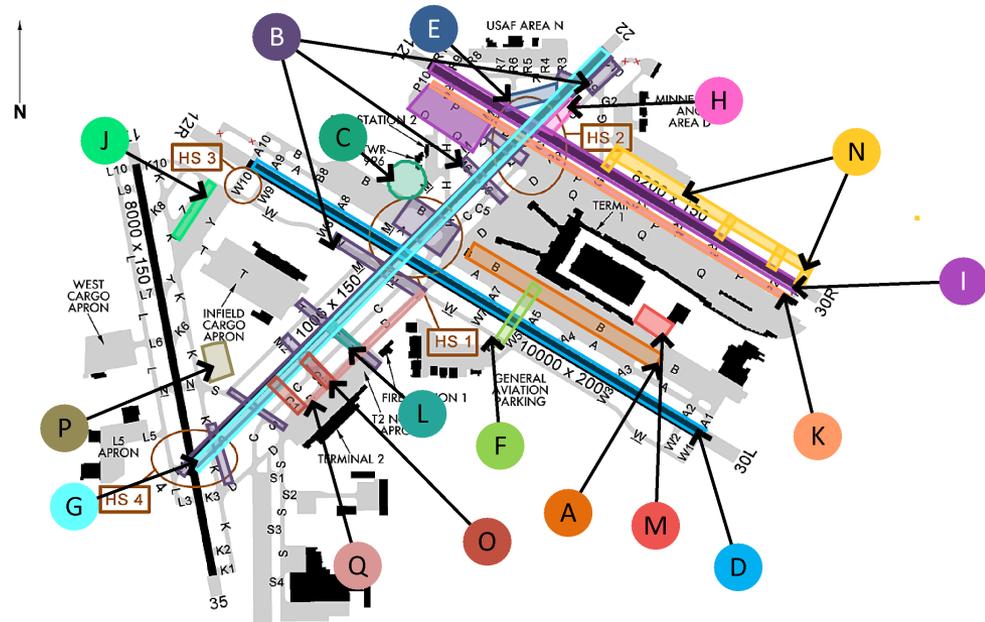
Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> Terminal Parking Garage	Expansion of the existing terminal parking structure.	01/01/2018 to 12/31/2020	In Progress	<b>G</b>	This project should have minimal impact. During occasional weather periods the RNAV 22L approach may have increased minimums.
<b>B</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	<b>G</b>	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.
<b>C</b> Concourse B & C, TWY Y Reconstruction	Improve pavement infrastructure by demolition/replacement of portions of Concourse B, C, and TWY Y.	09/06/2020 to 11/07/2020	In Progress	<b>Y</b>	Expecting minimal reduced capacity and delay impact due to the lower traffic volumes at this time.
<b>D</b> TWY F	TWY F Widening at RWY 4R.	2021 TBD to 2022 TBD	Upcoming	<b>T</b>	





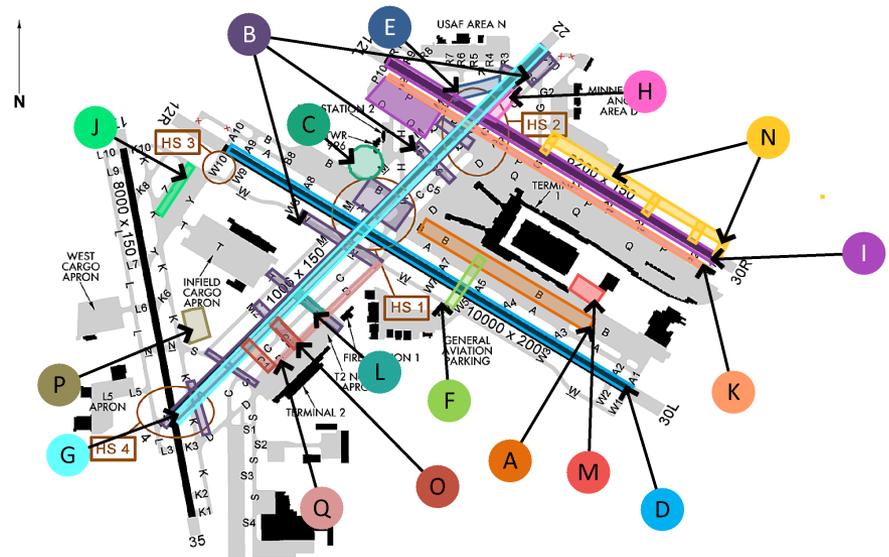
Project	2020						2021						2022						2023																	
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<b>D</b> Runway 12R/30L LED Lighting Upgrades	G	G	G	G																																
<b>E</b> Sanitary Sewer Replacement TWY R	G	G	G	G																																
<b>F</b> RWY 12R/30L Tunnel Storm Sewer	T	T	T	T																																

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>D</b> Runway 12R/30L LED Lighting Upgrades	LED Lighting Upgrades will occur for RWY 12R/30L.	May 2020 to 10/16/2020	In Progress	<b>G</b>	Limited operational impact is anticipated. Overnight construction.
<b>E</b> Sanitary Sewer Replacement TWY R	Relocate the sanitary sewer between Taxiway R and the USAF apron area.	June 2020 to October 2020	In Progress	<b>G</b>	The project will require replacement of portions of the apron pavement and connecting taxiways.
<b>F</b> 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	In Progress	<b>T</b>	



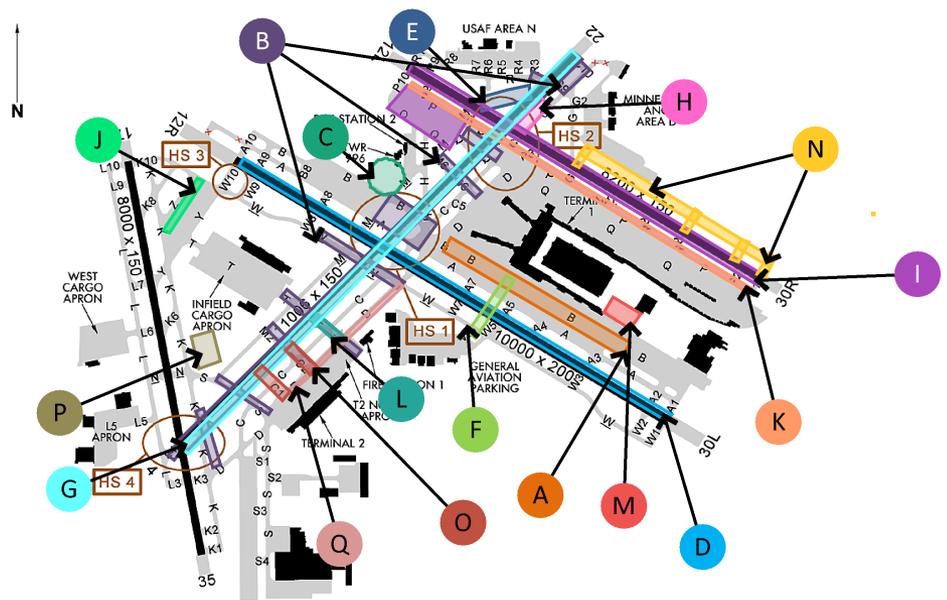
Project	2020						2021						2022						2023																	
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<b>G</b> RWY 4/22	Y	Y	Y	Y																																
<b>H</b> Miscellaneous Airfield Construction	G	G	G	G	G	G																														
<b>I</b> RWY 12L/30R and TWYs P & Q LED Lighting Upgrade	G	G	G	G																																

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>G</b> RWY 4/22	Runway 4/22 closed except for crossing.	04/01/2020 to 10/31/2020	In Progress	<b>Y</b>	
<b>H</b> 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	<b>G</b>	
<b>I</b> 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.	06/01/2020 to 10/30/2020	In Progress	<b>G</b>	



Project	2020						2021						2022						2023																
	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	APR	MAY
J TWY Z	G	G	G	G																															
K TWY P Reconstruction							T	T	T	T	T	T	T	T	T	T	T	T																	
L TWY T Centerline lights							G	G	G	G	G	G	G	G	G	G	G	G																	
M Terminal 1 Apron Pavement Reconstruction																			T	T	T	T	T	T	T	T	T	T	T	T	T	T	T		
N Parallel TWY North of 30R																																			

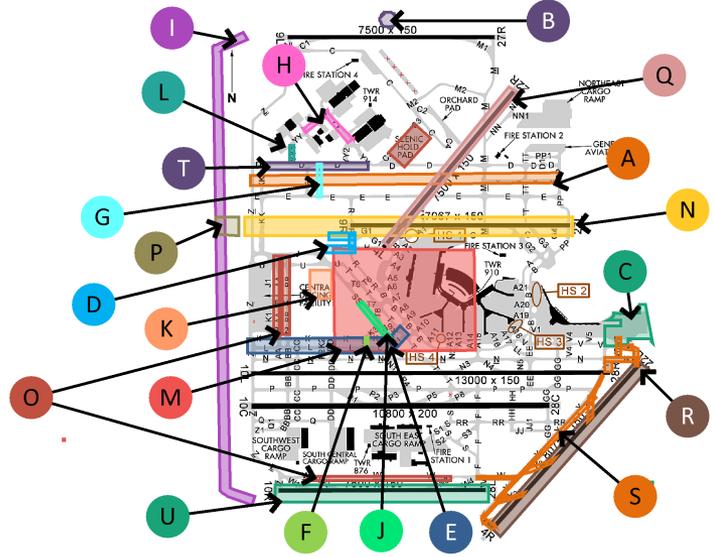
Project	Description of Work	Estimated Dates	Status	Impact	Notes
J	TWY Z	TWY Z closed.	07/17/2020 to 10/31/2020	In Progress	G
K	TWY P Reconstruction	Taxiway P to be reconstructed in 2021.	2021 TBD	Upcoming	T
L	TWY T Centerline lights	TWY T centerline lights to be replaced in 2021.	2021	Upcoming	G
M	Terminal 1 Apron Pavement Reconstruction	Terminal 1 apron will be reconstructed tentatively scheduled to begin in 2022.	2022 TBD to 2027 TBD	Upcoming	T
N	Parallel TWY North of 30R	RWY 30R parallel taxiway construction.	2023 TBD to 2025 TBD	Upcoming	T Construction of a parallel Taxiway on north side of 30R from approach end to Taxiway G.



Project	2020						2021						2022						2023																	
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O TWYs C1 and C2	G	G	G																																	
P Glycol Tanks Repair	G	G																																		
Q TWY D	G	G	G																																	

Project	Description of Work	Estimated Dates	Status	Impact	Notes
O TWYs C1 and C2	TWYs C1 and C2 closed.	04/30/2020 to 09/04/2020	Complete	G	
P Glycol Tanks Repair	Repair of leaking construction joints and cracks in the glycol tanks.	07/01/2020 to 08/01/2020	Complete	G	
Q TWY D	TWY D closed for reconstruction. Reconstruction of a portion of TWY D between TWY W and Connector C1.	July 2020 to 09/18/2020	Complete	G	Multi-phased project. Limited taxi restrictions on ADG III and IV aircraft.

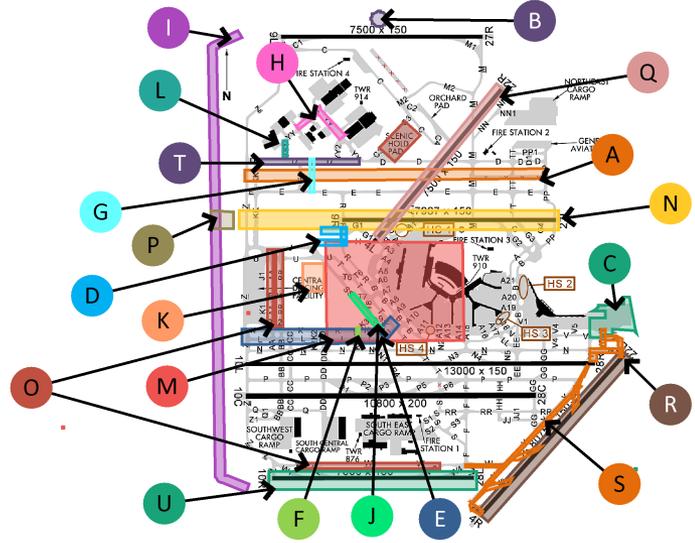
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Project	2020						2021						2022						2023																	
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<b>A</b> New RWY 9C/27C	Y	Y	Y	Y	Y																															
<b>B</b> North ASDE	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G																		
<b>C</b> Terminal 5 M Extension	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G												
<b>D</b> TWYs G, J and T	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G																		

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> New 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	In Progress	Y	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>B</b> North ASDE	Construction of a new North ASDE SMR (airport surface detection radar antenna) site.	06/18/2018 to 2021 TBD	In Progress	G	Construction delayed due to COVID-19.
<b>C</b> Terminal 5 M Extension	Demolition of existing airside and landside facilities. New airside apron and TWY improvements.	January 2019 to July 2022	In Progress	G	Expecting RWY and TWY closures including RWY 4R/22L, 10L/28R, and 10C/28C. Runway closures primarily during midnight operations.
<b>D</b> TWYs G, J and T	Taxiways G, J, T closed.	06/01/2020 to 2021 TBD	In Progress	G	

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Project	2020						2021						2022						2023																	
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<b>E</b> Core TWY Reconstruction	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
<b>F</b> TWY K3		G	G	G	G																															
<b>G</b> TWY FF		G	G	G	G	G	G	G																												
<b>H</b> TWYs YY and YY2 ramps		G	G	G																																

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>E</b> Core TWY Reconstruction	Reconstructing TWYs K and L into TWYs A and B.	Jul 2020 TBD to 2024 TBD	In Progress	<b>Y</b>	Alternate taxi routes to be utilized during multi-phase construction plan.
<b>F</b> TWY K3	TWY K3 closed between TWY K and TWY L.	08/14/2020 to 11/15/2020	In Progress	<b>G</b>	
<b>G</b> TWY FF	TWY FF closed.	08/16/2020 to 02/01/2021	In Progress	<b>G</b>	
<b>H</b> TWYs YY and YY2 ramps	TWY YY closed between Delta Hangar ramp and AAL Hangar 1 north to aircraft with wingspans greater than 118 feet. TWY YY also closed between AAL Hangar 1 north ramp and AAL Hangar 1 south ramp.  TWY YY2 closed between TWY YY and AAL west ramp.	08/17/2020 to 10/17/2020	In Progress	<b>G</b>	

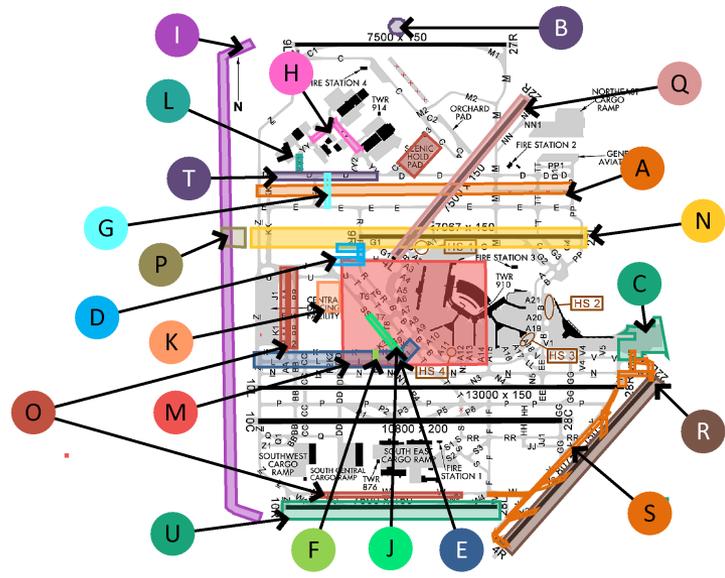
**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

**T** To be determined

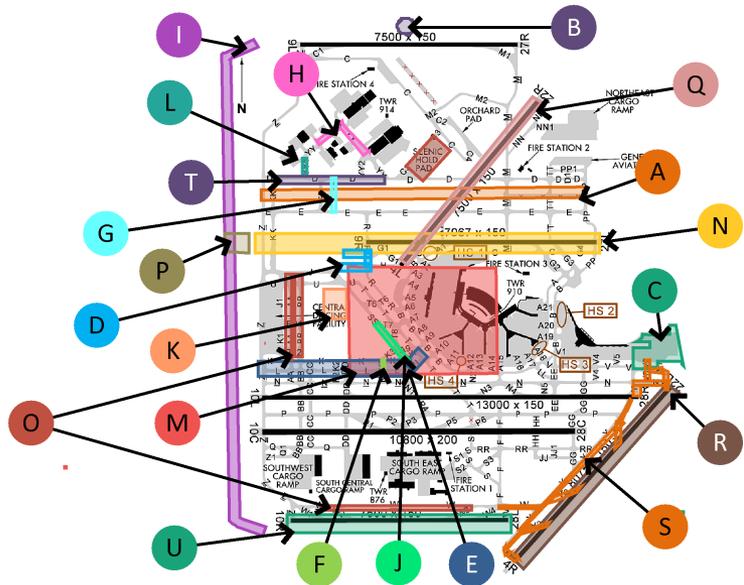
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Project	2020						2021						2022						2023																	
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I Western toll-way bypass	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
J TWY SS		Y	Y	Y	Y																															
K FAA Facilities Relocation			G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G						

Project	Description of Work	Estimated Dates	Status	Impact	Notes
I	Western toll-way bypass	2020 TBD to 2023 TBD	Upcoming	Y	Construction is currently on hold. During construction, cranes will impact approach minimums by increasing decision height (DH).
J	TWY SS	08/12/2020 to 11/15/2020	In Progress	Y	
K	FAA Facilities Relocation	Q4 2020 to Q3 2022	Upcoming	G	

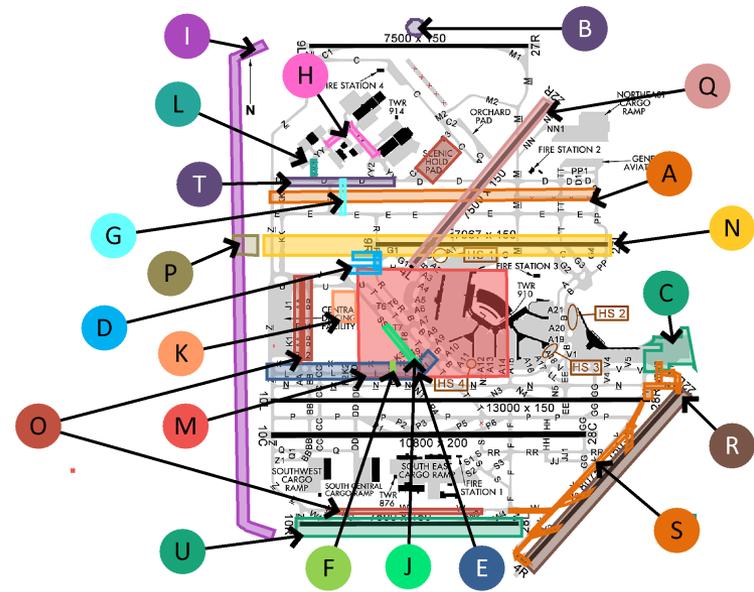
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Project	2020						2021						2022						2023																	
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L TWY YY1																																				
M Terminal Area Plan (TAP)							G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
N RWY 9R/27L Extension													Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Project	Description of Work	Estimated Dates	Status	Impact	Notes
L	TWY YY1	Taxiway YY1 closed.	01/07/2020 to 05/15/2020	Complete	G
M	Terminal Area Plan (TAP)	Terminal areas redevelopment and construction.	2021 TBD to 2028 TBD	Upcoming	G
N	RWY 9R/27L Extension	RWY 9R will be extended approximately 3,000 feet to the west. RWY 27L will be shortened approximately 300 feet to the west.	02/01/2021 to 2023 TBD	Upcoming	Y

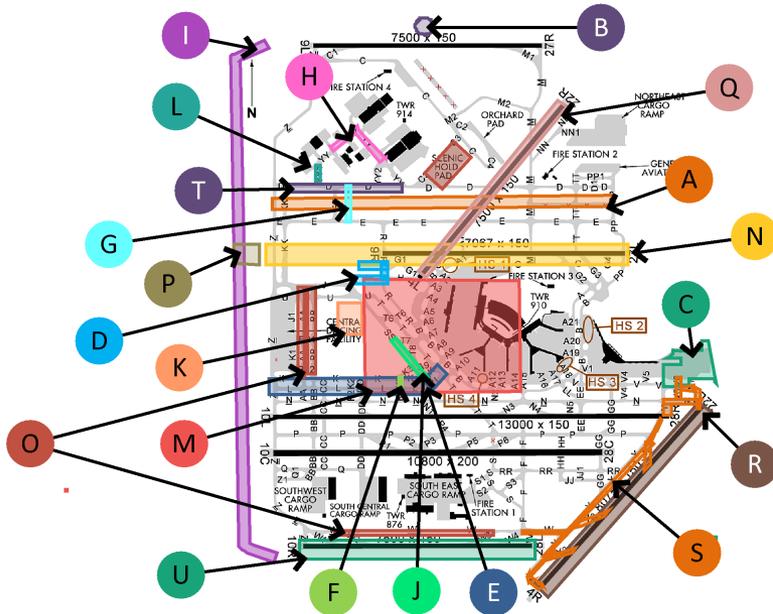
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	Project	2020						2021						2022						2023											
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O	TWYs Aircraft Parking	G																													
P	RWY 9R Glideslope	T	T																												
Q	Relocation of 22R LOC and LDA										G	G	G																		

Project	Description of Work	Estimated Dates	Status	Impact	Notes
O	TWYs Aircraft Parking	06/03/2020 to 07/31/2020	Complete	G	
P	RWY 9R Glideslope	06/15/2020 to 08/16/2020	Complete	T	
Q	Relocation of 22R LOC and LDA	April 2021 to 06/17/2021	Upcoming	G	Runway 4L publishes as departure only on September 10, 2020. Runway 22R publishes as arrivals only on November 5, 2020. 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.

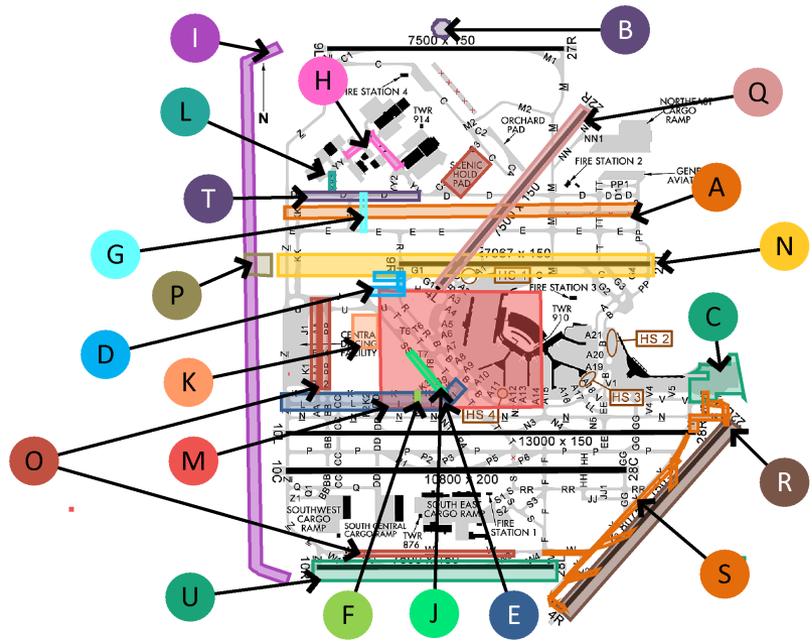
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<b>R</b> RWY 4R/22L Rehabilitation	Y	Y	Y																																	
<b>S</b> TWYs W, Y, Y1, Y2, Y3, Y4, Y5	G	G	G																																	

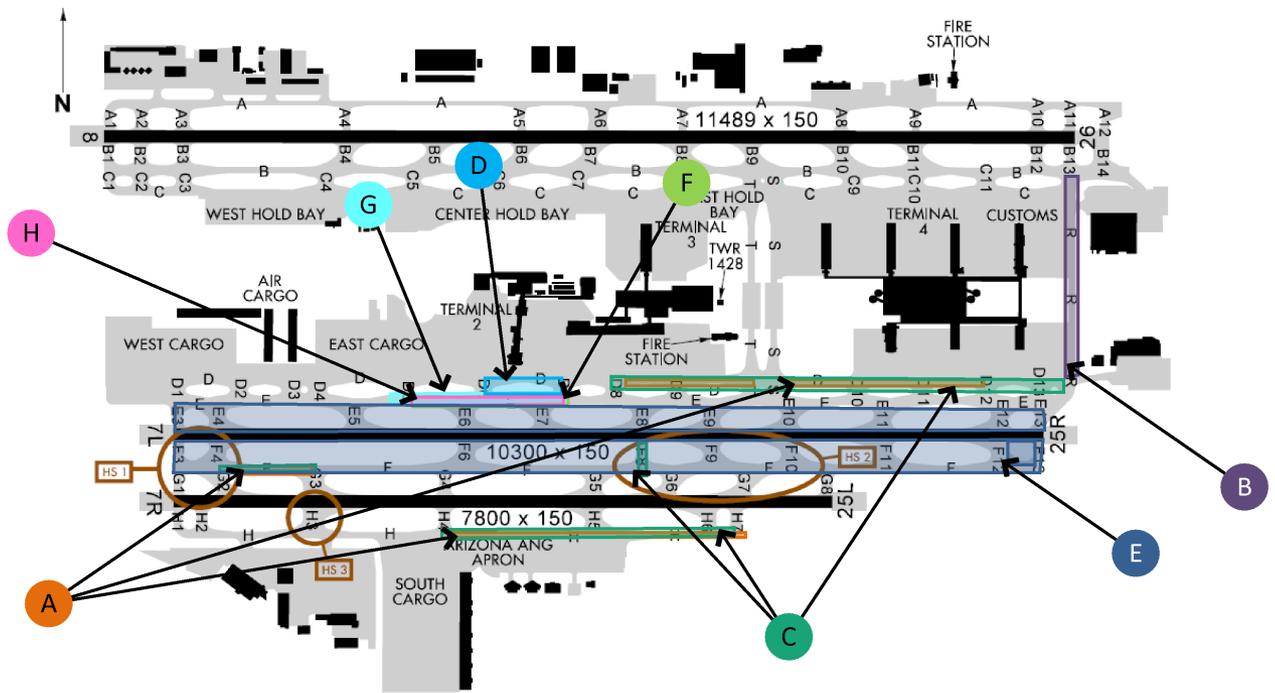
Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>R</b> RWY 4R/22L Rehabilitation	RWY 4R/22L closed for rehabilitation.	05/18/2020 to 09/15/2020	Complete	<b>Y</b>	RWY 4R/22L returned for daytime departure operations only on 7/10/20. Nighttime work continues. Project completion date is 9/15/20. 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.
<b>S</b> TWYs W, Y, Y1, Y2, Y3, Y4, Y5	Taxiways W, Y, Y1, Y2, Y3, Y4 and Y5 closed.	05/18/2020 to 09/15/2020	Complete	<b>G</b>	Work on the taxiways is expected through August 31, 2020 with nightly closures. This includes new/additional lighting upgrades to Taxiway Y1 Guard Lights and Taxiways Y2 and Y4 centerline lights. Anticipated completion of all work is 9/15/20.

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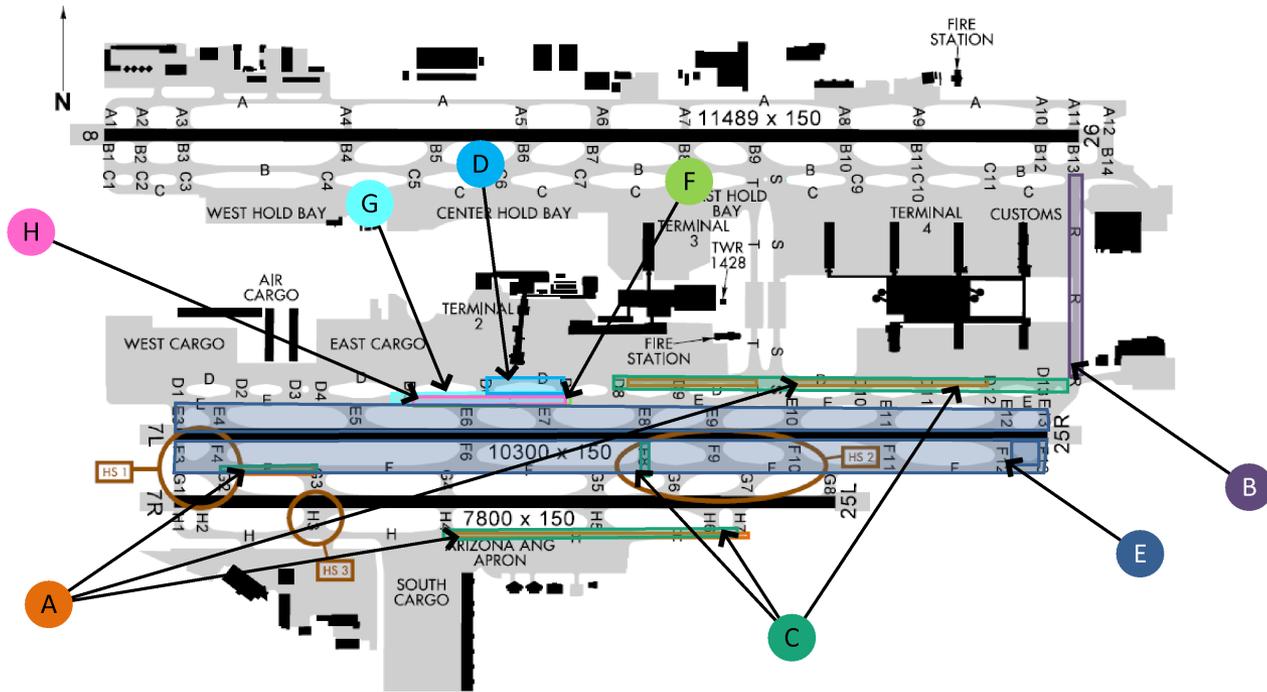
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TWY D	G	G																																		
RWY 10R/28L- aircraft parking	G																																			

Project	Description of Work	Estimated Dates	Status	Impact	Notes
TWY D	TWY D closed between TWY KK and TWY C3.	01/07/2020 to 08/31/2020	Complete	G	TWY D open between TWYs KK and YY2.
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	Complete	G	There is no expected impact as the system demand can be serviced by other available runways. RWY 10R/28L is not recallable.



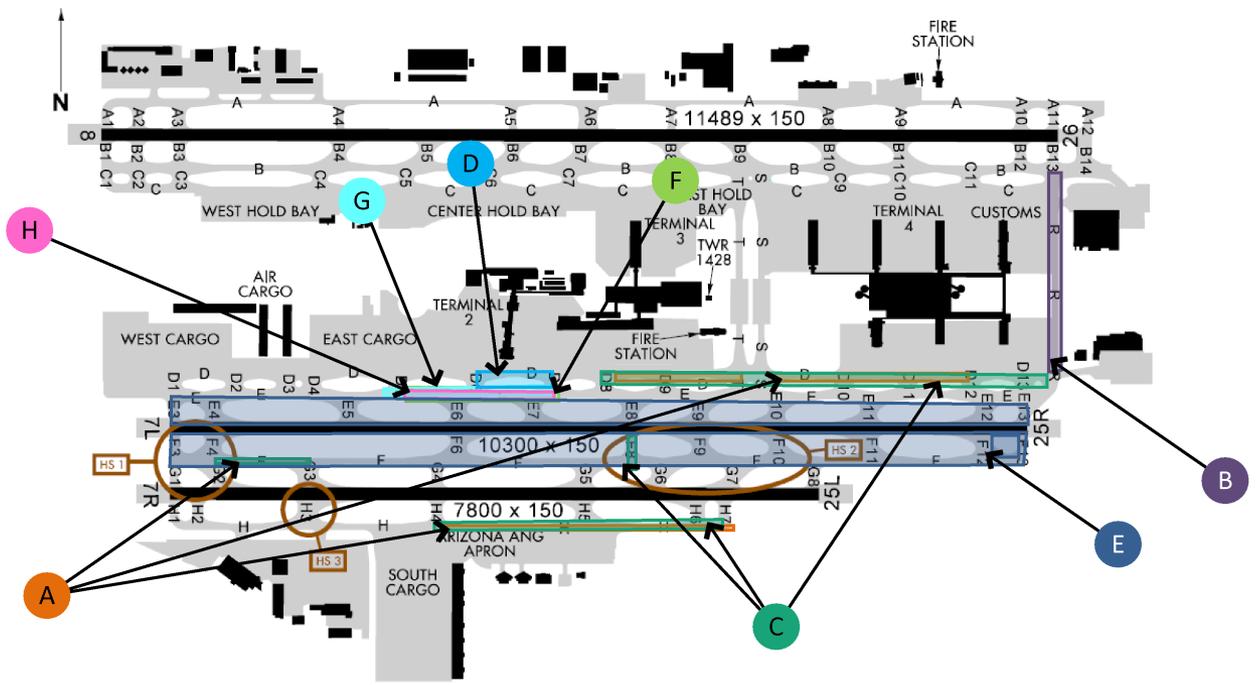
Project	2020						2021						2022						2023																	
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<b>A</b> TWYs D, F and H	Y	Y	Y	Y	Y	Y	Y																													
<b>B</b> TWY R Restrictions	G	G	G	G	G	G	G																													

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b>	TWYs D, F and H	Multiple TWY closures with aircraft wingspan restrictions.	01/01/2019 to 01/01/2021	In Progress	<p>TWY F closed between G2 and G3 to aircraft with wingspans greater than 135 feet.</p> <p>TWY D closed between TWY S and C10 to aircraft with wingspans greater than 135 feet..</p> <p>TWY D closed between TWY D8 and TWY T to aircraft with wingspans greater than 135 feet.</p> <p>TWY H closed between TWY H4 and H7 to aircraft with wingspans greater than 170 feet.</p>
<b>B</b>	TWY R Restrictions	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.



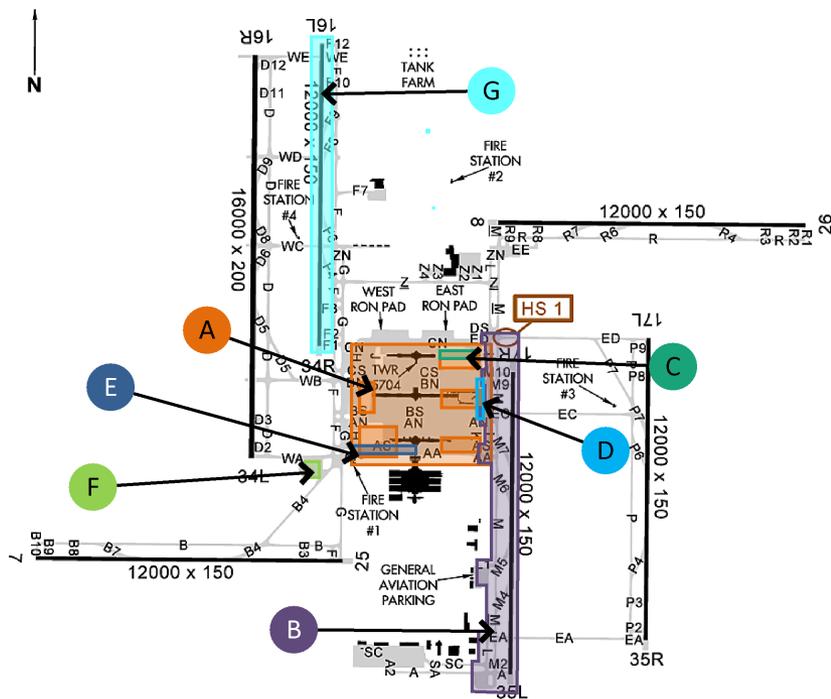
Project	2020						2021						2022						2023																	
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<b>C</b> TWYs D, F, F8, and H	T	T	T	T	T	T	T																													
<b>D</b> TWY D	G	G	G	G	G	G	G																													
<b>E</b> TWY E and F Infield Paving Project		G	G	G	G																															

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>C</b>	TWYs D, F, F8, and H	01/01/2020 to 01/01/2021	In Progress	<b>T</b>	
<b>D</b>	TWY D	01/01/2020 to 01/01/2021	In Progress	<b>G</b>	TWY D between D6 and D7 is restricted to aircraft with wingspans less than 118 feet.
<b>E</b>	TWY E and F Infield Paving Project	08/30/2020 to 11/30/2020	In Progress	<b>G</b>	All of the paving work will be accomplished during the nighttime and low demand hours. Overnight closures and daytime restrictions anticipated. Will impact the localizer for RWY 7L for about a month.



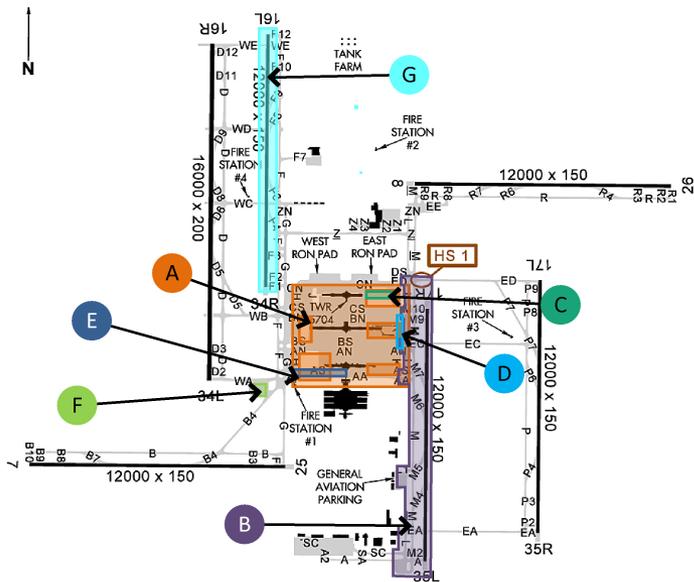
Project	2020						2021						2022						2023																	
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F TWY D Closure and Aircraft restrictions	G																																			
G TWY D Restricted	T																																			
H TWY D6	T	T																																		

Project	Description of Work	Estimated Dates	Status	Impact	Notes
F	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	Complete	G Taxiway Delta ADG III and below restrictions from February 5, 2020 - March 31, 2020. Minor taxi adjustments.
G	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	Complete	T
H	TWY D6	TWY D6; TWY D closed between TWY D5 and TWY D7.	04/06/2020 to 08/10/2020	Complete	T



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
<b>A</b> Terminals A, B, & C	G	G	G	G	G	G	G	G																												
<b>B</b> RWY 17R/35L TWYs M & L	Y	Y	Y																																	

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> 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	<b>G</b>	Ramp and apron construction coinciding with the concourse expansion plan. Expecting increased taxi times. New gates will increase gate capacity by 30%.
<b>B</b> 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 09/30/2020	In Progress	<b>Y</b>	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.



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
C Taxiway CN	T	T	T																																	
D TWY K Restricted	T	T	T	T																																
E TWY AS		T	T	T																																
F WA Deice Pad		T	T	T																																
G RWY 16L/34R Rehab											T	T	T	T	T																					

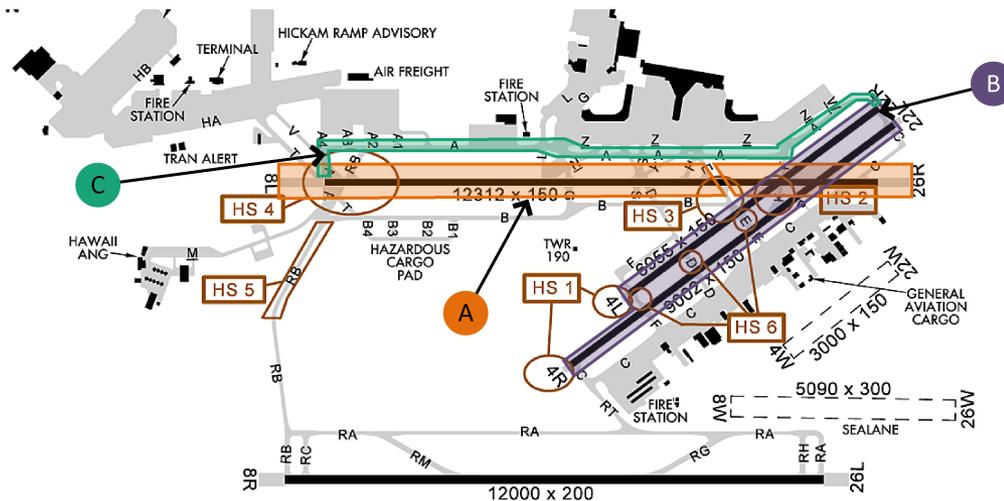
Project	Description of Work	Estimated Dates	Status	Impact	Notes
C	Taxiway CN	TWY CN closed between gate C51 and Taxiway K to aircraft with wingspans greater than 118 feet.	03/26/2020 to 09/04/2020	Complete	T
D	TWY K Restricted	TWY K closed between TWY BN and TWY BS to aircraft with wingspans greater than 79 feet.	06/24/2020 to 10/10/2020	In Progress	T
E	TWY AS	TWY AS closed between TWY H and Gate A26	08/07/2020 to 10/16/2020	In Progress	T
F	WA Deice Pad	Apron Deice Pad WA closed.	08/20/2020 to 10/31/2020	In Progress	T
G	RWY 16L/34R Rehab	RWY 16L/34R will be closed for pavement rehab.	May 2021 TBD to Sep 2021 TBD	Upcoming	T

**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

**T** To be determined



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
<b>A</b> RWY 8L/26R - Phases 1 & 2	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
<b>B</b> RWYs 4L/22R & 4R/22L Lighting																																				
<b>C</b> TWY A							T	T	T	T	T	T	T	T	T	T	T	T																		

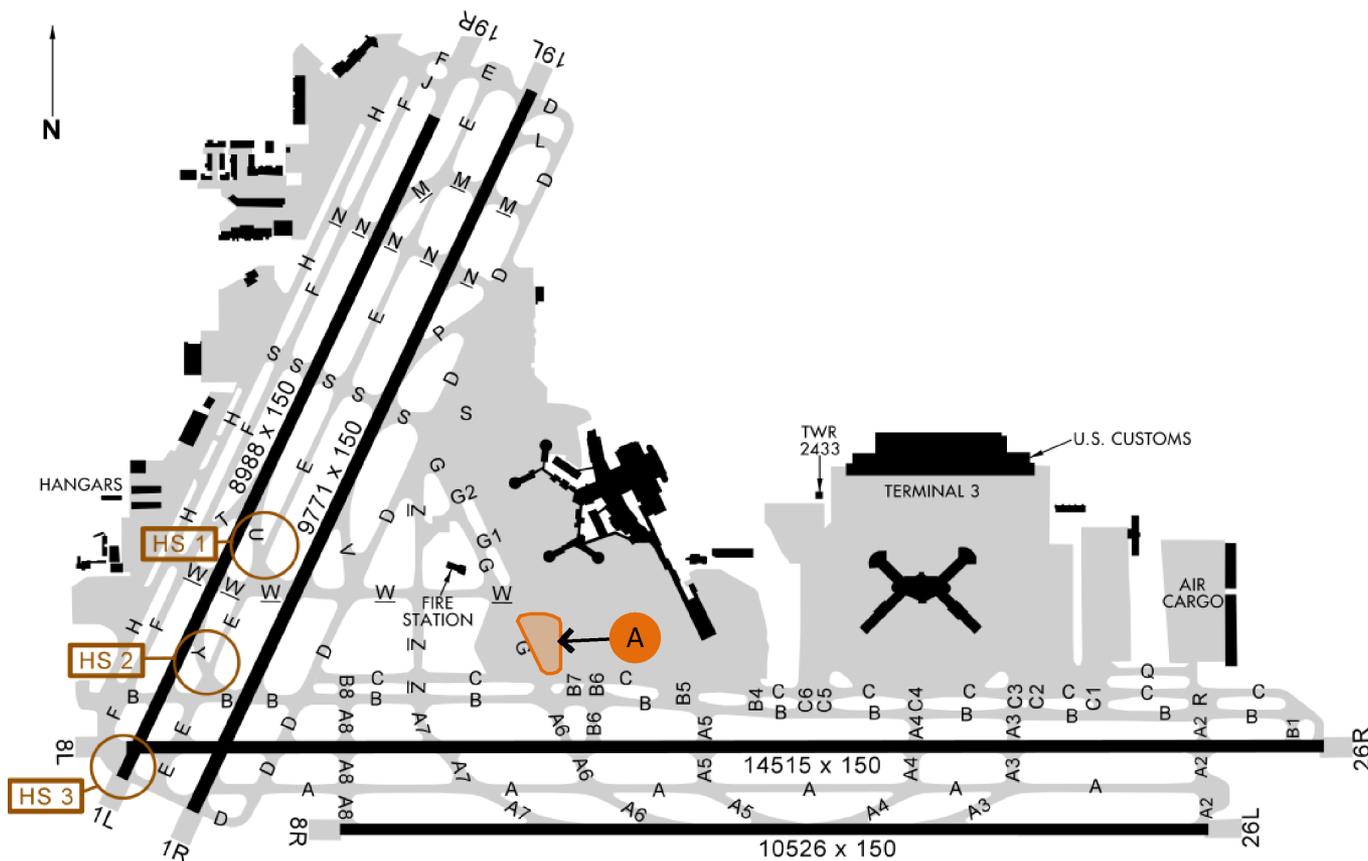
Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> RWY 8L/26R - Phases 1 & 2	RWY 8L/26R widening project from 150 to 200 feet. RWY 26R shortened 3200' for east-end work, 9,100ft remaining. Phase 1 (stages 1-2) completion by Sep. 2019 Stage 1 (east) = 79 days Stage 2 (center) = 193 days, full closure Phase 2 (stages 3-9) of 8L/26R should start February 2021 and should be completed by 2022. Design is being finalized. Stages 3-9 = full closures.	03/19/2019 to 12/31/2020  February 2021 to 2022 TBD	In Progress  Upcoming	Y  Y	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.  Expect TMIs for arrivals during peak periods.  Expect airborne and departure delays.
<b>B</b> RWYs 4L/22R & 4R/22L Lighting	Install Runway Guard Lights (RGL) for Runway Incursion Mitigation program (RIM).	2020 TBD to Winter 2020 TBD	Upcoming	G	Awaiting completion of RWY 8L widening phase 1 to start project.
<b>C</b> TWY A	TWY A realignment. Estimated start construction near end of year 2021.	2021 TBD	Upcoming	T	Taxiway reconfigurations based on HNL geometry study completed May 2018.

**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

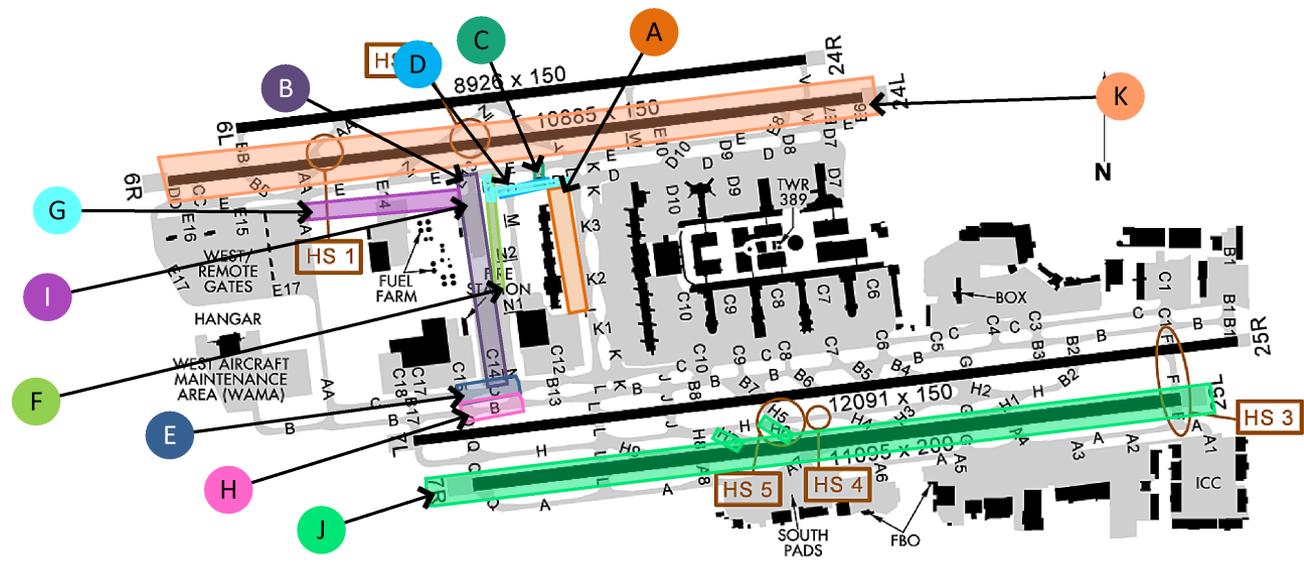
**T** To be determined



Project	2020					2021					2022					2023																				
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<b>A</b> Holding Pad 2																																				

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> 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	<b>G</b>	Higher impacts will be coordinated with ATC in advance to schedule during periods of lower demand.

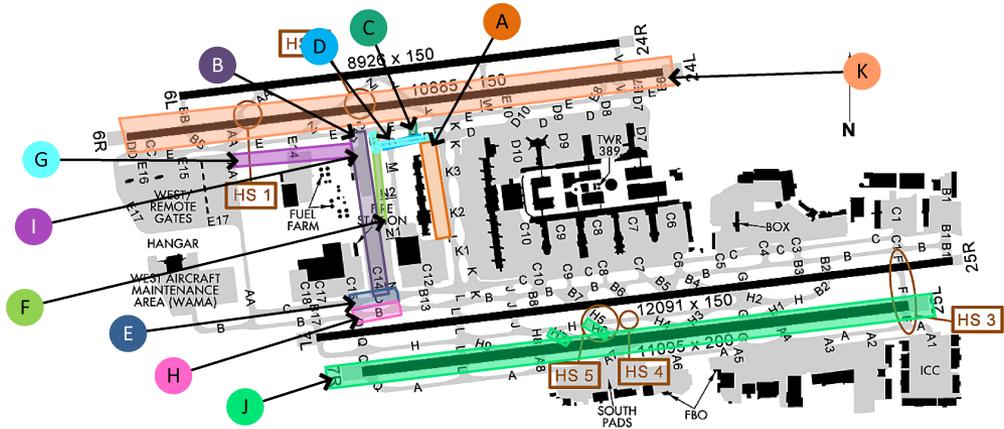
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Project	2020						2021						2022						2023																	
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<b>A</b> Midfield Satellite Concourse (MSC) - North	G	G	G	G	G	G	G	G																												
Not Depicted Taxiway Re-Designation Project	G	G	G	G	G	G																														

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> 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 02/01/2021	In Progress	<b>G</b>	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 late Fall 2020-February 2021.
Not Depicted Taxiway Re-Designation Project	Airfield wide project to re-designate LAX taxiways.	02/28/2019 to 2020 TBD	In Progress	<b>G</b>	Multi-phased project to rename airport taxiways. Renaming the South airfield first will enable the North airfield to utilize single letter taxiways. The scheduled re-designation phases 1-9 are complete. The additional phases 10-13 are scheduled for a later date (TBD).  Next publication will be TWY R to N on September 10, 2020.

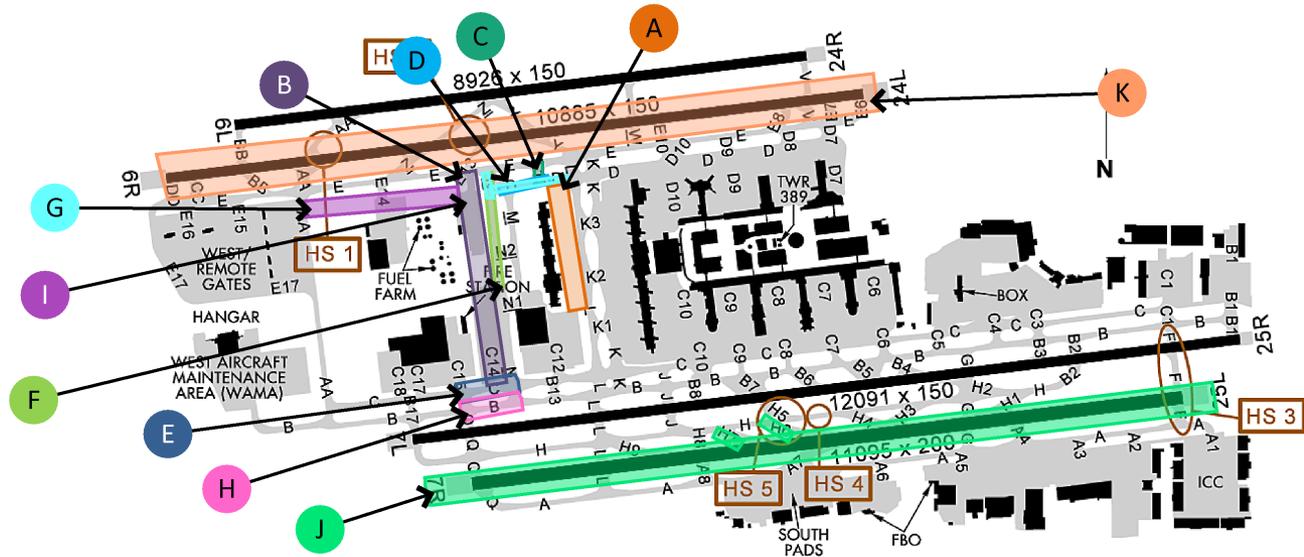
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Project	2020						2021						2022						2023																	
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<b>B</b> TWY P (Formerly C14)	Y	Y	Y	Y	Y	Y	Y																													
<b>C</b> TWY E12	T	T	T	T	T																															
<b>D</b> TWY D	T	T	T	T																																
<b>E</b> TWY C (R and U)	Y	Y	Y																																	
<b>F</b> TWY R	G	G	G	G																																

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>B</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	<b>Y</b>	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 15, 2020.
<b>C</b> TWY E12	TWY E12 closed between TWY D and TWY E to aircraft with wingspans greater than 213 feet.	03/03/2020 to 11/03/2020	In Progress	<b>T</b>	
<b>D</b> TWY D	TWY D closed between TWY R and TWY E12.	04/06/2020 to 10/09/2020	In Progress	<b>T</b>	
<b>E</b> TWY C (R and U)	TWY C will be closed between TWY U and TWY R associated with phase 4 of the TWY P project.	06/29/2020 to 09/27/2020	In Progress	<b>Y</b>	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.
<b>F</b> TWY R	TWY R closed between TWY D and Taxilane R1.	07/02/2020 to 10/09/2020	In Progress	<b>G</b>	

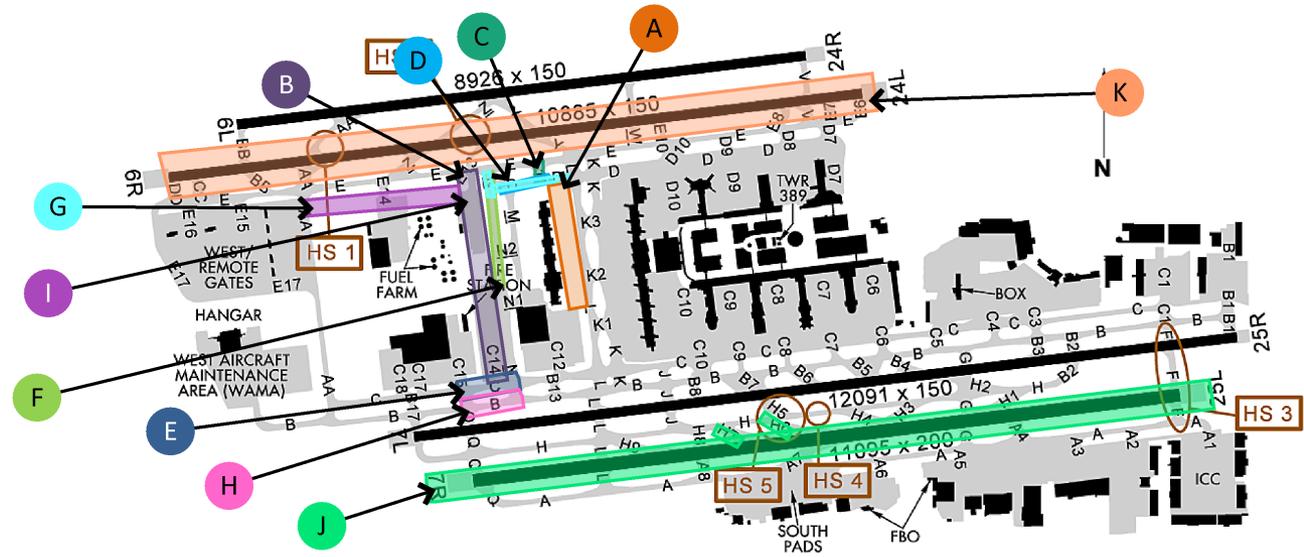
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	Project	2020					2021					2022					2023							
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G	TWYs R and D Restricted	T	T	T	T	T																		
H	TWY B (R and U)				Y	Y	Y	Y	Y															
I	TWY D Extension & TWYs						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				

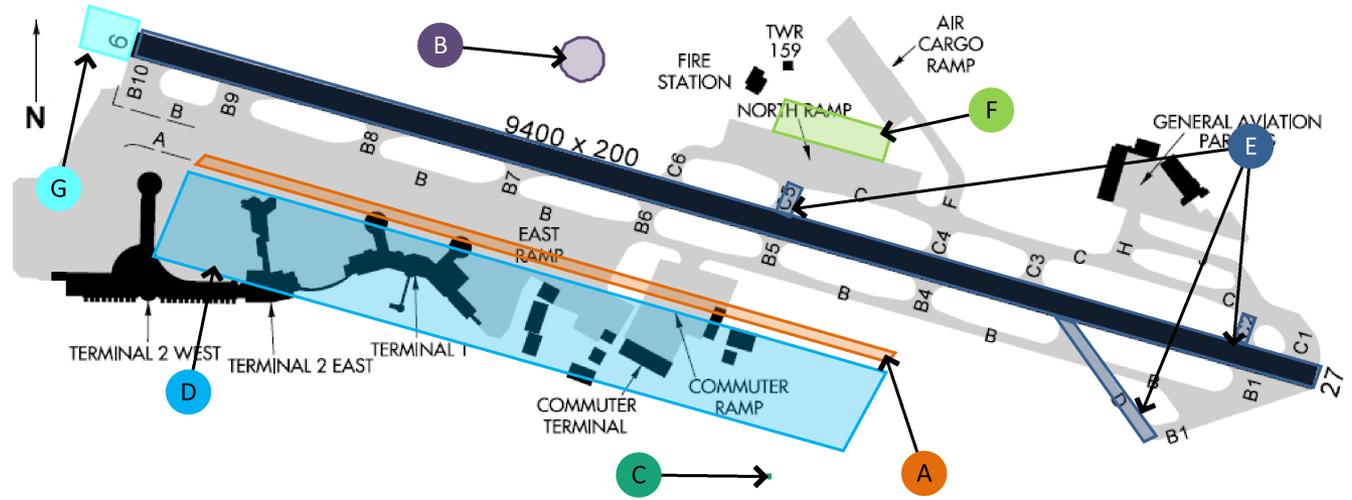
Project	Description of Work	Estimated Dates	Status	Impact	Notes
G	TWYs R and D Restricted TWY R closed between TWY D and TWY E to aircraft with wingspans greater than 213 feet. TWY D closed between TWY L and TWY R to aircraft with wingspans greater than 213 feet.	07/16/2020 to 11/03/2020	In Progress	T	
H	TWY B (R and U) TWY B will be closed between TWY U and TWY R associated with phase 3 of the TWY P project.	10/05/2020 to 02/01/2021	Upcoming	Y	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.
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.	2021 TBD	Upcoming	Y	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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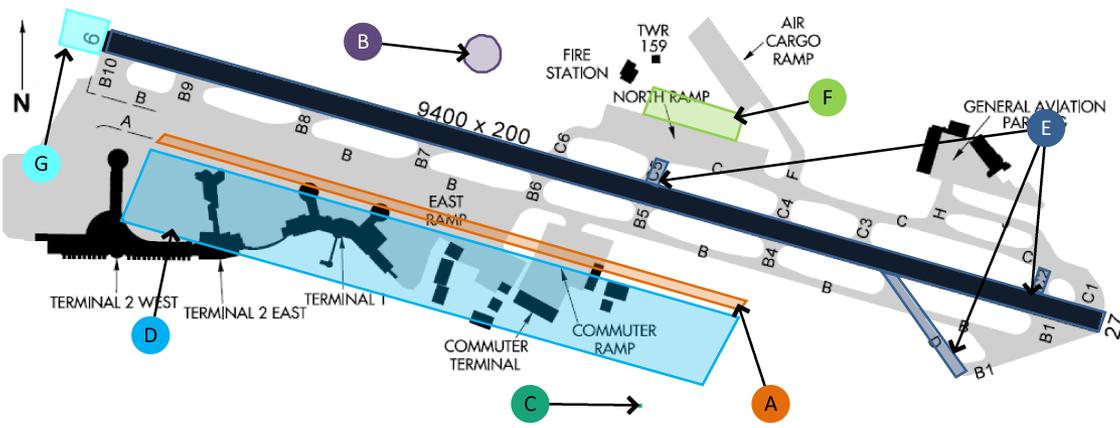
Project	2020						2021						2022						2023																	
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J RWY 7R/25L & TWY H							R	R	R	R																										
K RWY 6R/24L Exit TWYs																															R	R	R	R	R	R

Project	Description of Work	Estimated Dates	Status	Impact	Notes
J	RWY 7R/25L & TWY H RWY 7R/25L, TWYs H6 and H7 closed for rehabilitation. Full runway closure: 60 days.	02/18/2021 to 05/01/2021	Upcoming	R	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. Continuous 10 (+/-) week closure of RWY 7R/25L
K	RWY 6R/24L Exit TWYs Runway 6R/24L closure to support taxiway construction.	2023 TBD	Upcoming	R	



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
<b>A</b> Hydrant Fuel Lines	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
<b>B</b> Fuel Storage Tanks	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G																		
<b>C</b> Electrical Vault Relocation		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y																									
<b>D</b> Terminal Replacement				Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y					

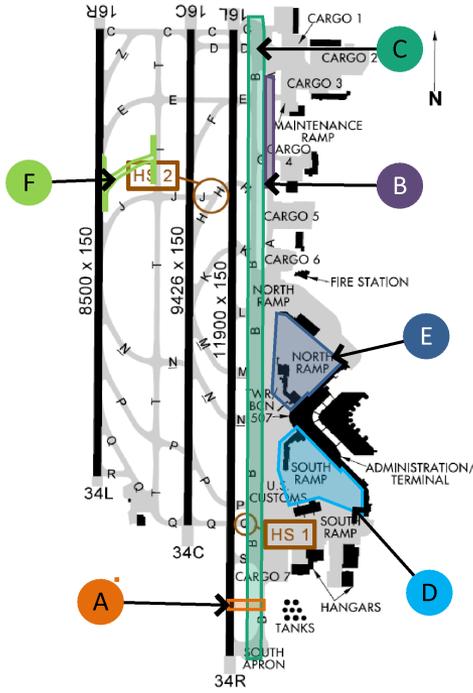
Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b>	Hydrant Fuel Lines	Installation of new hydrant fuel lines to Terminal 2 West end and continuing to New Terminal 1.	03/11/2019 to 05/31/2023	In Progress	<b>Y</b> Two to three gates unavailable during project as in-ground fuel lines are installed.
<b>B</b>	Fuel Storage Tanks	Three new fuel storage tanks to be installed west of the ATCT.	06/23/2020 to 12/01/2021	In Progress	<b>G</b> 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.
<b>C</b>	Electrical Vault Relocation	Electrical vault moved approximately 150 feet SE to allow for taxiway expansion.	08/01/2020 to 05/01/2021	In Progress	<b>Y</b> Phased to avoid reduction in services/capabilities. Also relocation of security fences keeps equipment shelters inside the Air Operations Area (AOA).
<b>D</b>	Terminal Replacement	Airport will replace passenger terminals.	October 2020 to January 2023	Upcoming	<b>Y</b> Gates will be added before legacy gates are demolished. Phase 1A consists of 19 new gates. Gates 1 – 2 will be nonoperational during construction.



Project	2020			2021						2022						2023									
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	
<b>E</b> TWYs C2, C5 and D				Y	Y	Y	Y	Y	Y	Y															
<b>F</b> New Cargo Facility							Y	Y	Y	Y	Y	Y	Y	Y	Y										
<b>G</b> EMAS Replacement							Y	Y	Y	Y	Y														

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>E</b>	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	<b>Y</b> 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.
<b>F</b>	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	<b>Y</b> SDIA is determining if they will be able to continue with the new proposal site as planned. 7460 is in review process
<b>G</b>	EMAS Replacement	Engineered Materials Arresting System (EMAS) removal and replacement.	01/01/2021 to 05/03/2021	Upcoming	<b>Y</b> 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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Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
<b>A</b> South Satellite Bridge	T	T	T																																	
<b>B</b> TWY Y and TWY A Deice Pad	T	T	T	T																																
<b>C</b> TWY B																			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y						

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> South Satellite Bridge	South Satellite Bridge Construction.	07/24/2020 to 09/24/2020	In Progress	<b>T</b>	
<b>B</b> TWY Y and TWY A Deice Pad	TWY Y and TWY A Deice Pad Project.	07/30/2020 to 10/29/2020	In Progress	<b>T</b>	
<b>C</b> TWY B	TWY B closed for reconstruction.	2022 TBD	Upcoming	<b>Y</b>	TWY B 500 ft. separation and runway incursion mitigation (RIM).

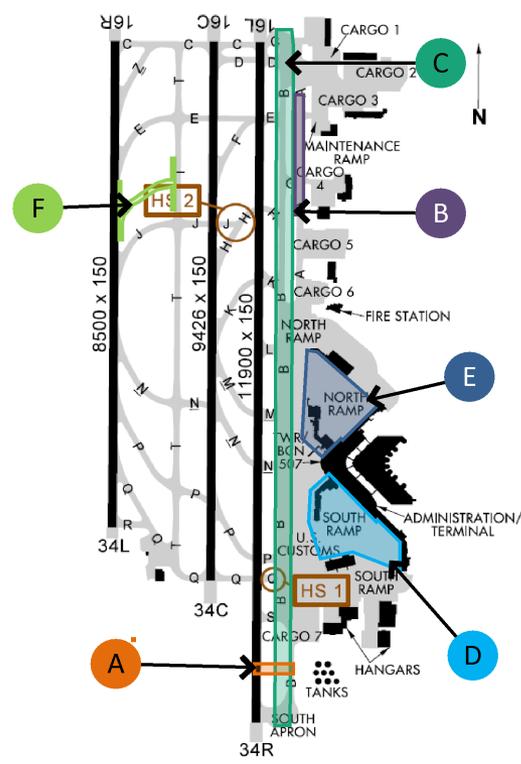
**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

**T** To be determined

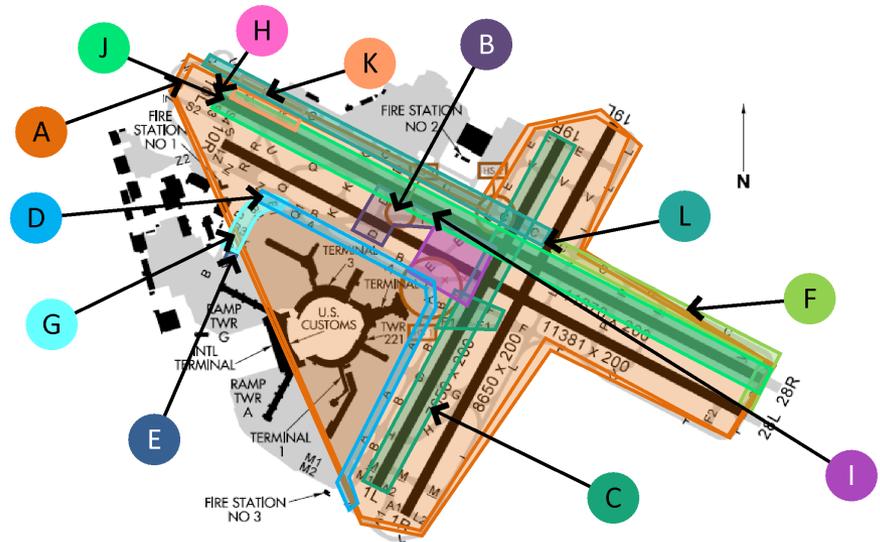
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Project	2020						2021						2022						2023																	
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D South Ramp Rehabilitation	G																																			
E North Ramp Rehabilitation																			G	G	G	G	G	G	G	G	G	G	G	G						
F RWY 34L High-speed TWY																															G	G	G	G	G	G

Project	Description of Work	Estimated Dates	Status	Impact	Notes
D 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	Complete	G	Expecting one-way in/out of the South Satellite area for large aircraft which impacts surface movement.
E North Ramp Rehabilitation	Concourse C, D, and North-ramp rehabilitation.	2022 TBD	Upcoming	G	Possible limitations on aircraft ground movement.
F RWY 34L High-speed TWY	RWY 34L construction of high-speed exit.	2023 TBD	Upcoming	G	

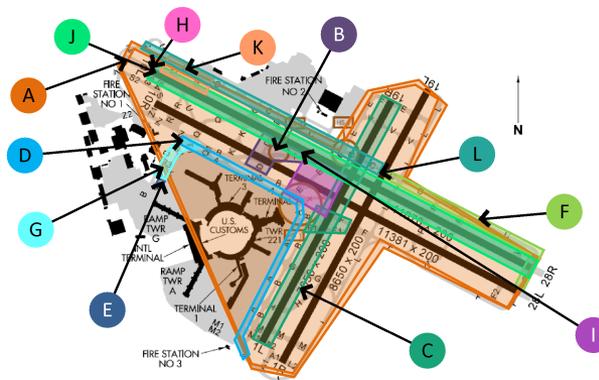
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Project	2020						2021						2022						2023																
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<b>A</b> Airfield Lighting	G	G	G	G	G	G																													
<b>B</b> TWYs D & T	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R																		
<b>C</b> RWY 1L/19R, TWYs F & F1															Y	Y	Y																		

Project	Description of Work	Estimated Dates	Status	Impact	Notes	
<b>A</b>	Airfield Lighting	Airfield Lighting, Bldg. 1 electrical system upgrade and 5kV cable replacement.	11/01/2019 to 12/31/2020	In Progress	<b>G</b>	
<b>B</b>	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	2020 TBD to 11/30/2021	Upcoming	<b>R</b>	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	<b>G</b>	Separate 28L and 28R closures; dates and duration TBD.  Expect increased surface congestion on TWY E.
<b>C</b>	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	<b>Y</b>	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.

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	Project	2020						2021						2022						2023											
		JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JAN	FEB	MAR	APR	MAY	JUN
D	TWY A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y												
E	TWY B5			G																											
F	TWY C (East Area)																			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
G	TWYs B1-B4																					G	G	G	G	G	G	G	G		
H	RWY 10L/28R Lighting																							T	T	T					
I	TWYs E & J																														

	Project	Description of Work	Estimated Dates	Status	Impact	Notes
D	TWY A	TWY A reconstruction.	2020 TBD to 2021 TBD	Upcoming	Y	Future project, exact dates unknown. Project being considered for Fall 2020 implementation due to reduced operations caused by COVID pandemic
E	TWY B5	Taxiway B5 closed for reconstruction.	September 2020	Complete	G	This project was originally scheduled to last several weeks. It was completed during the weekend of September 18-19.
F	TWY C (East Area)	TWY C realignment/reconstruction on the East-side. Realign TWY C, 50ft from 10L/28R.	2022 TBD	Upcoming	Y	Future project, exact dates unknown.
G	TWYs B1-B4	TWYs B1 to B4 closed for reconstruction.	03/01/2022 to 09/01/2022	Upcoming	G	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	T	
I	TWYs E & J	TWYs E and J reconstruction.	Fall 2023 TBD	Upcoming	Y	Future project, exact dates unknown.

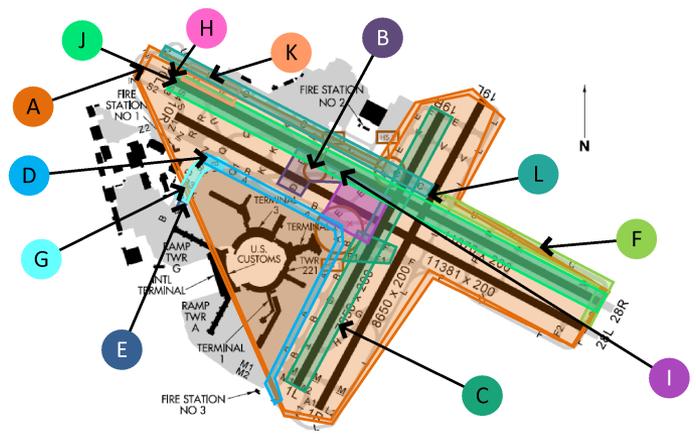
**G** No capacity effect

**Y** Reduced Capacity and Delay impact

**R** Reduced Capacity and Greater Delay Impact

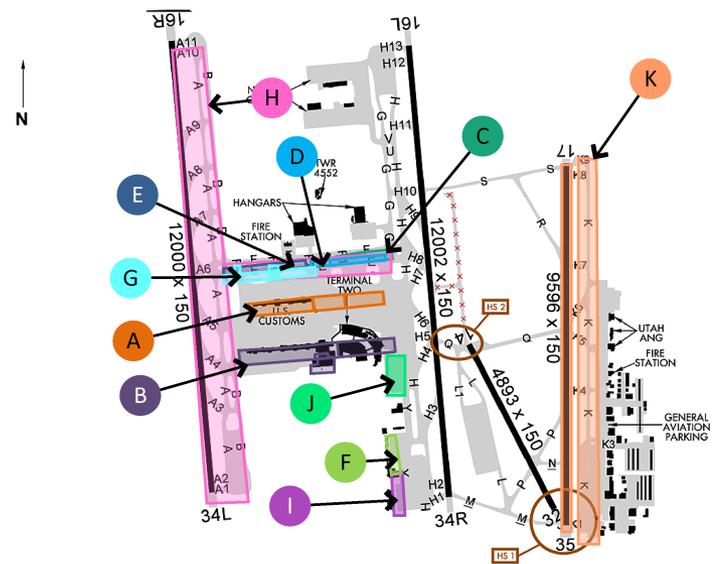
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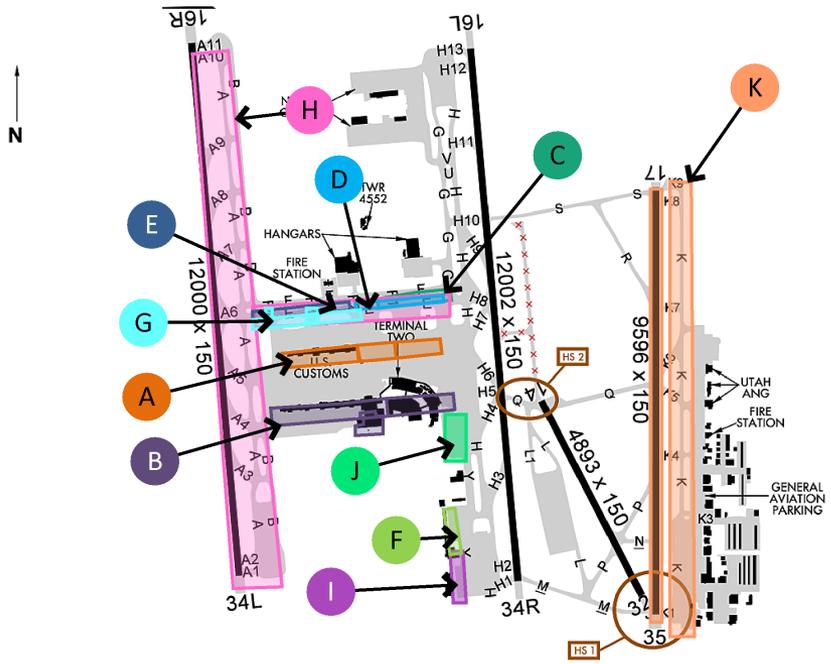
Project	2020						2021						2022						2023																	
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J RWY 10L/28R				R																																
K TWY C3 and R																																				
L TWY C (West Area)																																				

Project	Description of Work	Estimated Dates	Status	Impact	Notes
J RWY 10L/28R	RWY 10L/28R closed for rehabilitation. Shortened runway and weekend closures.	10/08/2020 to 10/16/2020	Upcoming	R	<p>October 8th, 2020 at 2100 PDT, Runway 10L-28R and Runway 1L-19R will close for 4 days, under Phase A. Upon completion of Phase A work, Runway 1L-19R will reopen for operation.</p> <p>Runway 10L-28R and Runway 1R-19L will close for the next 4 days, under Phase B. All runways are expected to reopen and be back to normal operation on Thursday, October 15th at 2100 PDT.</p> <p>2 of 4 runways at SFO will be operational at all times</p> <p>Post paving night time work will take place from October 16th to October 20th. All night time closure periods are from 2000 to 0800 the following day.</p>
K TWY C3 and R	TWYs C3 and R closed for realignment/reconstruction.	Fall 2022 TBD to Winter 2023 TBD	Upcoming	R	Project may be combined with RWY 10L/28R project. Exact dates unknown.
L 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	Y	



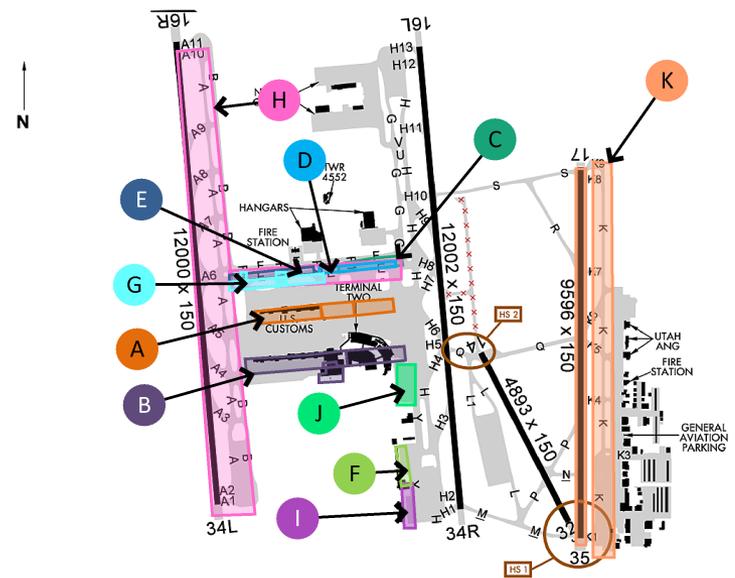
	Project	2020						2021						2022						2023																	
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A	North Terminal	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
B	South Terminal	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
C	TWY E	Y	Y	Y	Y																																
D	TWY F Restricted		T	T	T																																

Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	North Terminal North terminal concourse and apron redevelopment. First phase: 20 gates Second phase: 11 gates	June 2017 to 2024 TBD	In Progress	G	Terminal redevelopment program. New concourses will accommodate larger planes. First phase (West side) to open in Fall 2020. Second phase to open in 2023/24.
B	South Terminal 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	G	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 TWY E closed for rehabilitation between TWYs G and F1.	May 2020 to October 2020	In Progress	Y	Project will be phased to minimize operational impact.
D	TWY F Restricted TWY F closed between TWY F2 and TWY G to aircraft with wingspans greater than 171 feet.	08/15/2020 to 10/01/2020	In Progress	T	



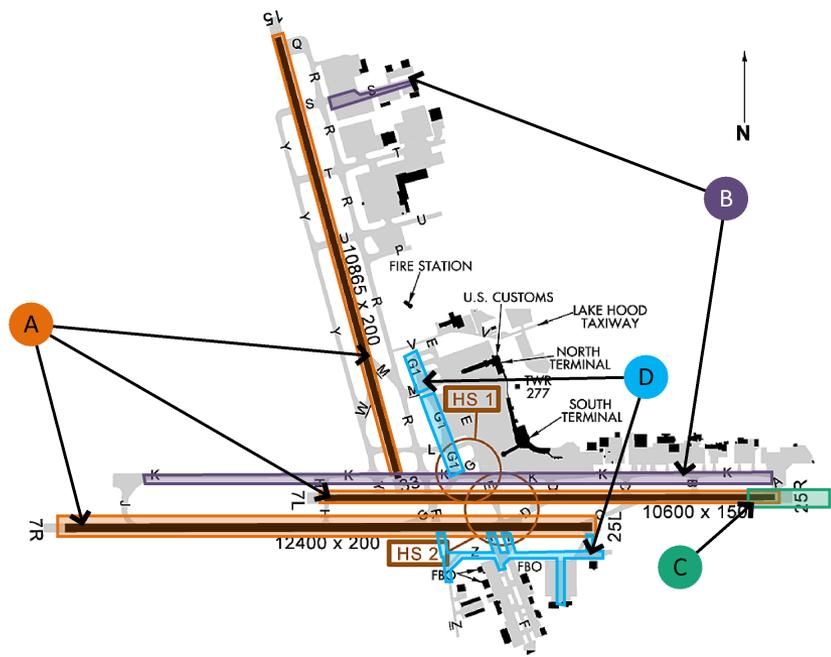
Project	2020						2021						2022						2023																	
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<b>E</b> TWY E Restricted	T	T	T	T																																
<b>F</b> Apron Area 13	T	T	T	T	T	T																														
<b>G</b> TWYs E,F3, F4 restricted		T	T	T																																

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>E</b> TWY E Restricted	TWY E closed between TWY F2 and TWY B to aircraft with wingspans greater than 171 feet.	12/18/2019 to October 2020	In Progress	<b>T</b>	
<b>F</b> 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	<b>T</b>	
<b>G</b> TWYs E,F3, F4 restricted	TWY E closed between TWY F2 and TWY B to aircraft with wingspans greater than 118 feet. TWYs F3 and F4 closed to aircraft with wingspans greater than 118 feet.	08/20/2020 to 10/05/2020	In Progress	<b>T</b>	



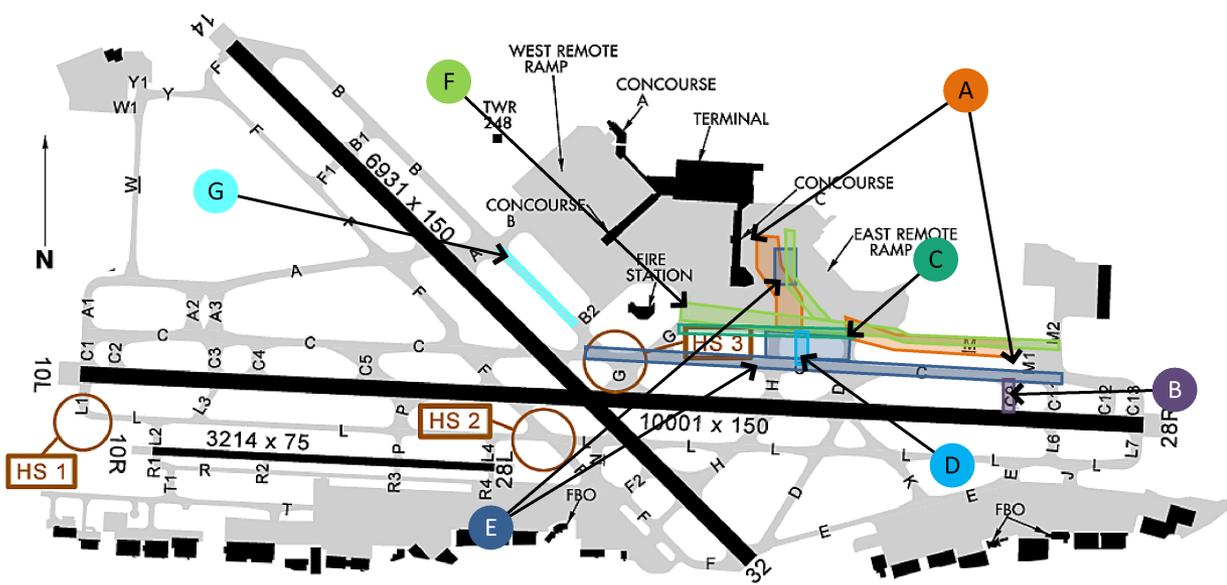
Project	2020						2021						2022						2023																	
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<b>H</b> Multiple TWYs rewiring	G	G	G	G	G	G																														
<b>I</b> Apron and Taxilanes 22,23	G	G																																		
<b>J</b> Apron Areas 7,8,9,10	T																																			
<b>K</b> TWY K	Y	Y																																		

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>H</b> Multiple TWYs rewiring	TWYs A, B, E, and F rewiring project.	2020 TBD	Upcoming	<b>G</b>	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.
<b>I</b> Apron and Taxilanes 22,23	Apron Air Carrier Access and Taxilanes 22 and 23 closed.	04/09/2020 to 08/31/2020	Complete	<b>G</b>	
<b>J</b> Apron Areas 7,8,9,10	Apron Air Carrier Access 7,8,9 and 10 closed.	05/04/2020 to 07/20/2020	Complete	<b>T</b>	
<b>K</b> 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	Complete	<b>Y</b>	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.



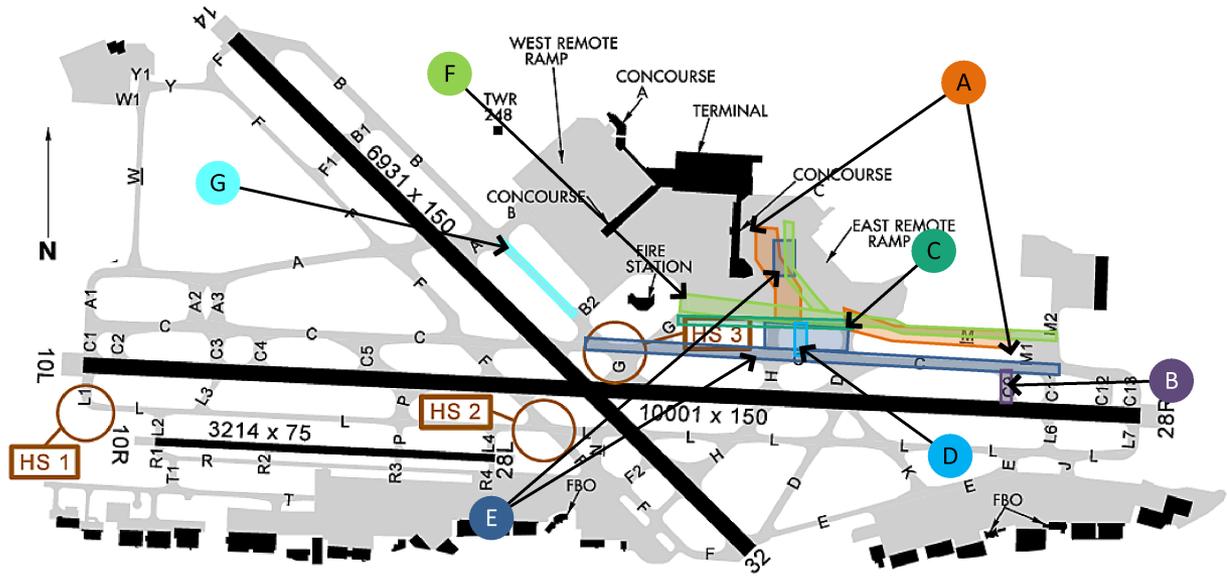
Project	2020						2021						2022						2023																	
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A	T	T	T																																	
B	Y	Y	Y																																	
C	G	G																																		
D							G	G	G	G	G	G	G	G	G	G	G	G																		

Project	Description of Work	Estimated Dates	Status	Impact	Notes
A	RWY Maintenance	Seasonal runway maintenance.	05/11/2020 to 09/15/2020	Complete	T 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	Y
C	RWY 25R Safety Area	RWY 25R Runway Safety Area (RSA) construction at the approach end.	06/20/2020 to 08/20/2020	Complete	G 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	G Project includes road alignments parallel and South of TWY Z.



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
<b>A</b> TWY and Apron Areas	G	G	G	G	G	G																														
<b>B</b> NE Field Improvement Project -TWY C9	G	G	G																																	
<b>C</b> TWY M Restricted	T	T	T	T	T																															
<b>D</b> NE Field Improvement Project -TWY C8			G	G																																

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>A</b> 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	<b>G</b>	The category IV air carrier aircraft park on western gates on Concourse C.
<b>B</b> NE Field Improvement Project -TWY C9	Taxiway C9 Closed.	04/08/2020 to 09/30/2020	In Progress	<b>G</b>	Unexpected failure of concrete at Taxiway C9.
<b>C</b> TWY M Restricted	TWY M closed between TWY C7 to TWY D to aircraft with wingspans greater than 118 feet.	06/24/2020 to 11/06/2020	In Progress	<b>T</b>	
<b>D</b> NE Field Improvement Project -TWY C8	Taxiway C-8 opens this fall. Delays due to drainage pipe, contractors and COVID 19.	Sep 2020 TBD to Oct 2020 TBD	In Progress	<b>G</b>	Eliminates older taxi route that gave direct access to the main runway.



Project	2020						2021						2022						2023																	
	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	APR	MAY	JUN
<b>E</b> TWY C	T	T																																		
<b>F</b> TWY M	T	T	T																																	
<b>G</b> NE Field Improvement Project - TWY B			G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G																		

Project	Description of Work	Estimated Dates	Status	Impact	Notes
<b>E</b> 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	Complete	<b>T</b>	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.
<b>F</b> 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 09/18/2020	Complete	<b>T</b>	TWY M limited to aircraft with wingspans less than 118 feet. Dates are tentative.
<b>G</b> NE Field Improvement Project - TWY B	Taxiway B closed as part of Northeast Airfield Construction Project. TWY B closed between B2 and TWY A. Taxiway B between B-2 and A Closed until further notice. DOA and contractor working on engineering solutions.	Sep 2020 TBD to 2021 TBD	In Progress	<b>G</b>	Dates are tentative. non-movement area has ongoing repavement. Multiple delays due to Covid-19 reported by DOA.