

Blue Grass Airport (LEX) - Airport Master Plan Facility Recommendation Sizing Considerations						
Study Area	Facility Recommendation	Base (464,169 Enplanements)	PAL 1 (961,994 Enplanements)	PAL 2 (1,093,451 Enplanements)	PAL 3 (1,225,263 Enplanements)	PAL 4 (1,366,059 Enplanements)
Terminal Facility Requirements						
Gates						
Preferred Gate Demand Summary (Existing)	-	12 Gates	12 Gates	12 Gates	12 Gates	
Preferred Gate Demand Summary (Recommendation) - Gate Expansion	Provide 1 additional gate (PAL 3)				13 Gates	13 Gates
Preferred Gate Demand Summary (Recommendation) - Gate Expansion	Provide 1 more additional gate (PAL 4)					14 Gates
Narrow-body Equivalent Gates (NBEG) (Existing)	-	10 Gates	10 Gates			
Narrow-body Equivalent Gates (NBEG) (Recommendation) - Gate Expansion	Provide 1 additional gate (PAL 1)		11 Gates	11 Gates	11 Gates	
Narrow-body Equivalent Gates (NBEG) (Recommendation) - Gate Expansion	Provide 1 more additional gate (PAL 3)				12 Gates	
Narrow-body Equivalent Gates (NBEG) (Recommendation) - Gate Expansion	Provide 1 more additional gate (PAL 4)					13 Gates
Concourse Hold Rooms						
Single NBEG Hold Room Area (Existing)	*Existing Average	*1,957 SF	*1,957 SF			
Single NBEG Hold Room Area (Recommendation) - Holdroom Expansion	Expand each holdroom to 3,023 SF (PAL 1)		3,023 SF	3,023 SF	3,023 SF	3,023 SF
Total Inclusive Hold Room Space (Existing)	-	23,500 SF	23,500 SF			
Total Inclusive Hold Room Space (Recommendation) - Holdroom Expansion	Expand hold room space by approximately 8,975 SF (PAL 1)		32,475 SF	32,475 SF	32,475 SF	
Total Inclusive Hold Room Space (Recommendation) - Holdroom Expansion	Expand hold room again by approximately 2,335 SF (PAL 3)				34,810 SF	34,810 SF
Total Inclusive Hold Room Space (Recommendation) - Holdroom Expansion	Expand hold room again by approximately 3,884 SF (PAL 4)					38,694 SF
Pre-Security Concessions – Food and Beverage, Gift and News						
Food and Beverage (Existing)	-	3,873	3,873	3,873	3,873	3,873
Gift and News (Existing)	-	4,045	4,045	4,045	4,045	4,045
Services	-	42	42	42	42	42
SUBTOTAL PRE-SECURITY CONCESSIONS (Existing)	-	7,960	7,960	7,960	7,960	7,960
Post Security Concessions – Food and Beverage, Gift and News						
Food and Beverage (Existing)	-	5,670 SF	5,670 SF			
Food and Beverage (Recommendation) - Concession Expansion	Expand concession area by approximately 4,927 SF (PAL 1)		10,597 SF	10,597 SF		
Food and Beverage (Recommendation) - Concession Expansion	Expand concession area again by approximately 1,448 SF (PAL 2)			12,045 SF	12,045 SF	
Food and Beverage (Recommendation) - Concession Expansion	Expand concession area again by approximately 1,452 SF (PAL 3)				13,497 SF	13,497 SF
Food and Beverage (Recommendation) - Concession Expansion	Expand concession area again by approximately 1,552 SF (PAL 4)					15,049 SF
Gift and News (Existing)	-	2,913 SF	2,913 SF			
Gift and News (Recommendation) - Concession Expansion	Expand concession area by approximately 1,918 SF (PAL 1)		4,831 SF	4,831 SF		
Gift and News (Recommendation) - Concession Expansion	Expand concession area again by approximately 1,322 SF (PAL 2)			6,153 SF	6,153 SF	6,153 SF
Gift and News (Recommendation) - Concession Expansion	Expand concession area again by approximately 707 SF (PAL 4)					6,860 SF
Services (Existing)	-	42 SF	42 SF			
Services (Recommendation) - Concourse Services Expansion	Expand concession service area by approximately 114 SF (PAL 1)		156	156		
Services (Recommendation) - Concourse Services Expansion	Expand concession service area again by approximately 42 SF (PAL 2)			198	198	198
Services (Recommendation) - Concourse Services Expansion	Expand concession service area again by approximately 23 SF (PAL 4)					221
SUBTOTAL POST SECURITY CONCESSIONS (EXISTING)	-	8,625 SF	8,625 SF			
SUBTOTAL POST SECURITY CONCESSIONS (Recommendation) - Expansion	Expand concession area by approximately 6,959 SF (PAL 1)		15,584 SF	15,584 SF		
SUBTOTAL POST SECURITY CONCESSIONS (Recommendation) - Expansion	Expand concession area again by approximately 2,812 SF (PAL 2)			18,396 SF	18,396 SF	
SUBTOTAL POST SECURITY CONCESSIONS (Recommendation) - Expansion	Expand concession area again by approximately 1,452 SF (PAL 3)				19,848 SF	19,848 SF
SUBTOTAL POST SECURITY CONCESSIONS (Recommendation) - Expansion	Expand concession area again by approximately 2,282 SF (PAL 4)					22,130 SF
Rental Car Concessions						
Rental Car Retail Modules (Existing)	-	4 Modules	4 Modules	4 Modules	4 Modules	
Rental Car Retail Modules (Recommendation) - Additional Module	Provide 1 additional module (PAL 3)				5 Modules	5 Modules
Total Rental Car Concessionaires (Existing)	-	1,632 SF	1,632 SF			
Total Rental Car Concessionaires (Recommendation) - Expansion	Expand rental car concession area by approximately 648 SF (PAL 1)		2,280 SF	2,280 SF	2,280 SF	2,280 SF
Passenger Security Screening Checkpoint (SSCP) Processors: Security Screening Area Required (10-Minute Queue Wait Used)						
Number of Lanes (Existing)	-	3 Lanes	3 Lanes			
Number of Lanes (Recommendation) - SSCP Expansion	Provide 1 additional screening lane (PAL 1)		4 Lanes	4 Lanes		
Number of Lanes (Recommendation) - SSCP Expansion	Provide 2 more additional screening lanes (PAL 2)			6 Lanes	6 Lanes	6 Lanes
10-Minute Queue Security Screening Area (Existing)	-	3,703 SF	3,703 SF			
10-Minute Queue Security Screening Area (Recommendation) - SSCP Expansion	Expand SSCP area by 5,117 SF (PAL 1)		8,820 SF	8,820 SF		
10-Minute Queue Security Screening Area (Recommendation) - SSCP Expansion	Expand SSCP area by an additional 4,410 SF (PAL 2)			13,230 SF	13,230 SF	13,230 SF
Circulation/Exit Lane (Existing)	-	3,967 SF	3,967 SF	3,967 SF		

Circulation/Exit Lane (Recommendation)	Expand SSCP Circulation/Exit Lane by an additional 2 SF (PAL 2)	3,969 SF	3,969 SF	3,969 SF
<b>Baggage – CBIS, Outbound, and Inbound</b>				
Outbound Baggage Screening (CBIS) (Existing)	*Existing square footage represents pending CBIS Project once completed	*10,230 SF	*10,230 SF	*10,230 SF
Outbound Baggage Screening (CBIS) (Recommendation) - Expansion	Expand outbound baggage screening by 4,940 SF (PAL 3)		15,170 SF	15,170 SF
Outbound (Inbound) Bag Make-up (BHS) (Existing)	-	14,896 SF	14,896 SF	
Outbound (Inbound) Bag Make-up (BHS) (Recommendation) - Expansion	Expand outbound (inbound) bag make-up (BHS) by 704 SF (PAL 1)		15,600 SF	15,600 SF
Outbound (Inbound) Bag Make-up (BHS) (Recommendation) - Expansion	Expand outbound (inbound) bag make-up (BHS) by 2,300 SF (PAL 3)		17,900 SF	17,900 SF
Outbound (Inbound) Bag Make-up (BHS) (Recommendation) - Expansion	Expand outbound (inbound) bag make-up (BHS) by 1,100 SF (PAL )			19,000 SF
Inbound Sort Make-up and Feed (Existing)	-	4,281 SF	4,281 SF	4,281 SF
Inbound Sort Make-up and Feed (Recommendation) - Expansion	Expand inbound sort make-up and feed by 590 SF (PAL 4)			4,871 SF
Baggage Claim Carousels (68’ x 18’) (Existing)	-	2 Carousels	2 Carousels	
Baggage Claim Carousels (68’ x 18’) (Recommendation) - Additional Carousels	Provide 1 additional carousel (PAL 1)		3 Carousels	3 Carousels
Baggage Claim Carousels (68’ x 18’) (Recommendation) - Additional Carousel	Provide 1 more additional carousel (PAL 4)			4 Carousels
Inbound Baggage Claim (Existing)	-	7,768 SF	7,768 SF	7,768 SF
Inbound Baggage Claim (Recommendation) - Baggage Claim Expansion	Expand inbound baggage claim by 476 SF (PAL 3)		8,244 SF	8,244 SF
Inbound Baggage Claim (Recommendation) - Baggage Claim Expansion	Expand inbound baggage claim by an additional 1,612 SF (PAL 4)			9,856 SF
Airline Baggage Service Offices (BSO) (Existing)	-	580 SF	580 SF	
Airline Baggage Service Offices (BSO) (Recommendation) - Expand Office Area	Expand Airline BSO by 420 SF (PAL 1)		1,000 SF	1,000 SF
Airline Baggage Service Offices (BSO) (Recommendation) - Expand Office Area	Expand Airline BSO by 250 SF (PAL 2)		1,250 SF	1,250 SF
Circulation – Baggage Claim (Existing)	-	5,212 SF	5,212 SF	5,212 SF
<b>Airline – Check-in, ATO &amp; Operations Processors</b>				
Check-in Processes (Ticketing) (Existing)	-	5,000 SF	5,000 SF	
Check-in Processes (Ticketing) (Recommendation) - Expand Ticketing Area	Expand ticking area by 940 SF (PAL 1)		5,940 SF	5,940 SF
Check-in Processes (Ticketing) (Recommendation) - Expand Ticketing Area	Expand ticking area by 324 SF (PAL 2)		6,264 SF	6,264 SF
Check-in Processes (Ticketing) (Recommendation) - Expand Ticketing Area	Expand ticking area by 240 SF (PAL 3)		6,504 SF	6,504 SF
Check-in Processes (Ticketing) (Recommendation) - Expand Ticketing Area	Expand ticking area by 480 SF (PAL 4)			6,984 SF
Circulation – Check-in (Existing)	-	1,222 SF	1,222 SF	
Circulation – Check-in (Recommendation)	Expand circulation - check-in by 1,748 SF (PAL 1)		2,970 SF	2,970 SF
Circulation – Check-in (Recommendation)	Expand circulation - check-in by 212 SF (PAL 2)		3,182 SF	3,182 SF
Circulation – Check-in (Recommendation)	Expand circulation - check-in by 70 SF (PAL 3)		3,252 SF	3,252 SF
Circulation – Check-in (Recommendation)	Expand circulation - check-in by 240 SF (PAL 4)			3,492 SF
<b>Airport Areas</b>				
Total Airport Administration (Existing)	-	16,936 SF	16,936 SF	
Total Airport Administration (Recommendation) - Expand Admin. Area	Expand Airport Administration area by 992 SF (PAL 1)		17,928 SF	17,928 SF
Total Airport Administration (Recommendation) - Expand Admin. Area	Expand Airport Administration area by 1,660 SF (PAL 3)		19,588 SF	19,588 SF
Total Airport Administration (Recommendation) - Expand Admin. Area	Expand Airport Administration area by an additional 1,660 SF (PAL 4)			21,248 SF
Total Airport Terminal Operations Area (Existing)	-	5,930 SF	5,930 SF	
Total Airport Terminal Operations Area (Recommendation) - Expand Airport Terminal Ops. Area	Expand Airport Terminal Ops. Area by 345 SF (PAL 1)		6,275 SF	6,275 SF
Total Airport Terminal Operations Area (Recommendation) - Expand Airport Terminal Ops. Area	Expand Airport Terminal Ops. Area by 581 SF (PAL 3)		6,856 SF	6,856 SF
Total Airport Terminal Operations Area (Recommendation) - Expand Airport Terminal Ops. Area	Expand Airport Terminal Ops. Area by an additional 581 SF (PAL 4)			7,437 SF
<b>TSA Administration Areas</b>				
TSA Administration Area (Existing)	-	2,390 SF	2,390 SF	
TSA Administration Area (Recommendation) - Expand TSA Admin. Area	Expand TSA Admin area by 120 SF (PAL 1)		2,510 SF	2,510 SF
TSA Administration Area (Recommendation) - Expand TSA Admin. Area	Expand TSA Admin area by an additional 125 SF (PAL 2)		2,635 SF	2,635 SF
TSA Administration Area (Recommendation) - Expand TSA Admin. Area	Expand TSA Admin area by an additional 132 SF (PAL 3)		2,767 SF	2,767 SF
TSA Administration Area (Recommendation) - Expand TSA Admin. Area	Expand TSA Admin area by an additional 138 SF (PAL 4)			2,905 SF
<b>Public Restroom Facilities: Concourse – Secure Airside (Assumed Calculated Module Total)</b>				
Total Concourse Restroom Area—M & W (Existing)	-	3,331 SF	3,331 SF	3,331 SF
Total Concourse Restroom Area—M & W (Recommendation) - Restroom Expansion	Expand restrooms by 479 SF (PAL 3)		3,810 SF	3,810 SF
<b>Public Restroom Facilities: Check-in Restrooms – Non-Secure Landside</b>				
Total Check-in Restroom Area - M & W (Existing)	-	2,099 SF	2,099 SF	2,099 SF
Total Check-in Restroom Area - M & W (Recommendation) - Restroom Expansion	Expand restrooms by 161 SF (PAL 3)		2,260 SF	2,260 SF
Total Check-in Restroom Area - M & W (Recommendation) - Restroom Expansion	Expand restrooms by an additional 95 SF (PAL 5)			2,355 SF
<b>Public Restroom Facilities: Baggage Claim Restrooms – Non-Secure Landside</b>				
Total Bag Claim Restroom Area – M & W (Existing)	-	1,137 SF		
Total Bag Claim Restroom Area – M & W (Recommendation) - Restroom Expansion	Expand restrooms by 668 SF (PAL 1)		1,805 SF	
Total Bag Claim Restroom Area – M & W (Recommendation) - Restroom Expansion	Expand restrooms by an additional 455 SF (PAL 2)		2,260 SF	2,260 SF

Total Bag Claim Restroom Area – M & W (Recommendation) - Restroom Expansion	Expand restrooms by an additional 180 SF (PAL 4)					2,440 SF
Other Considerations						
Service Animal Relief Areas (SARAs) (Existing)	-	204 SF	204 SF			
Service Animal Relief Areas (SARAs) (Recommendation) - Expand SARA	Expand SARA by 21 SF (PAL 1)		225 SF	225 SF	225 SF	225 SF
Total Storage Area (Existing)	-	2,487 SF	2,487 SF			
Total Storage Area (Recommendation) - Expand Storage Area	Expand storage area by 124 SF (PAL 1)		2,611 SF	2,611 SF		
Total Storage Area (Recommendation) - Expand Storage Area	Expand storage area by an additional 131 SF (PAL 2)			2,742 SF	2,742 SF	
Total Storage Area (Recommendation) - Expand Storage Area	Expand storage area by an additional 137 SF (PAL 3)				2,879 SF	2,879 SF
Total Storage Area (Recommendation) - Expand Storage Area	Expand storage area by an additional 144 SF (PAL 4)					3,023 SF
Mechanical, Electrical, Information Technologies and Distribution Chases						
Total MEP & IT Area (Existing)	-	13,597 SF	13,597 SF			
Total MEP & IT Area (Recommendation) - Expand MEP & IT Area	Expand MEP & IT area by 1,360 SF (PAL 1)		14,957 SF	14,957 SF		
Total MEP & IT Area (Recommendation) - Expand MEP & IT Area	Expand MEP & IT area by an additional 1,495 SF (PAL 2)			16,452 SF	16,452 SF	
Total MEP & IT Area (Recommendation) - Expand MEP & IT Area	Expand MEP & IT area by an additional 1,646 SF (PAL 3)				18,098 SF	18,098 SF
Total MEP & IT Area (Recommendation) - Expand MEP & IT Area	Expand MEP & IT area by an additional 1,809 SF (PAL 4)					19,907 SF
Study Area	Facility Recommendation	Base (76,165 Total Ops)	PAL 1 (82,336 Total Ops)	PAL 2 (86,876 Total Ops)	PAL 3 (90,261 Total Ops)	PAL 4 (93,412 Total Ops)
Airfield Facility Recommendations						
Airfield Capacity						
Airfield Capacity Projections	-	332,935 Ops	317,431 Ops	316,980 Ops	314.596Ops	323,815 Ops
Runway-to-Runway Offsets	-					
Airfield Lighting (i.e., Runway & Taxiway Lights, Beacon, Apron)	-					
Navigational Aids / Instrument Approaches [Runway 4/22 (ILS, GPS)] [Runway 9/27 (GPS,VOR/DME)]	-					
Runway 04-22						
Runway Length (Existing)	A320-200 aircraft departures to LAS on a hot day (86° F) are required to reduce their payload lower than 90 percent to safely operate on Runway 04/22	7,004 Ft.				
Runway Length (Recommendation) - Runway Extension	Extend Runway 04/22 to 7,700 feet to allow for unrestricted operations	7,700 Ft.	7,700 Ft.	7,700 Ft.	7,700 Ft.	7,700 Ft.
Runway Width (Existing)	-	150 Ft.	150 Ft.	150 Ft.	150 Ft.	150 Ft.
Runway Shoulders (Existing)	Not Required	0 Ft.	0 Ft.	0 Ft.	0 Ft.	0 Ft.
Runway Shoulders (Recommendation)	Add 25-foot-wide paved shoulders to each side of the runway	25 Ft.	25 Ft.	25 Ft.	25 Ft.	25 Ft.
Runway Safety Area (Existing)	-					
Runway Safety Area (Recommendation) - EMAS* *Has sense been constructed	304-foot long by 170-foot wide rectangular Engineered Materials Arresting System (EMAS) - RSA dimensions of 320 feet by 500 feet. (Still not meeting the standard 600 feet) - Approved by FAA per the RSAD Study, January 1, 2016.			See RSAD Study, Approved by FAA		
Runway Object Free Zone (Existing)	-	D-III OFA Standards	D-III OFA Standards	D-III OFA Standards	D-III OFA Standards	D-III OFA Standards
Runway 4 Blast Pad (Existing)	-	200 Ft. X 600 Ft.	200 Ft. X 600 Ft.	200 Ft. X 600 Ft.	200 Ft. X 600 Ft.	200 Ft. X 600 Ft.
Runway 22 Blast Pad (Existing)	Required to be 200 Feet Wide	150 Ft. X 415 Ft.				
Runway 22 Blast Pad (Recommendation) - Widen Blast Pad	Widen the first 200 linear feet of Runway 22’s approach end blast pad by 50 feet (25 feet on either side)	200 Ft. X 415 Ft.	200 Ft. X 415 Ft.	200 Ft. X 415 Ft.	200 Ft. X 415 Ft.	200 Ft. X 415 Ft.
Runway 22 EMAS (Existing)	Not Required	N/A				
Runway 22 EMAS (Recommendation) - Install EMAS* *Has sense been constructed	Add a 304’ long EMAS bed over the blast pad on Runway 22’s approach end, per FAA approval of the RSAD Study, approval date January 1, 2016	304 Ft. EMAS	304 Ft. EMAS	304 Ft. EMAS	304 Ft. EMAS	304 Ft. EMAS
Traverse Slope (Existing)	Required to be between 1.0 to 1.5 percent	< 1.0% to 1.5%				
Traverse Slope (Recommendation) - Grading	Grade to be between 1.0 to 1.5 percent	1.0% to 1.5%	1.0% to 1.5%	1.0% to 1.5%	1.0% to 1.5%	1.0% to 1.5%
Longitudinal Runway Gradients (Existing)	Slope change in first 2,500 feet required to be less than 0.8 percent	1.2% Change in Slope				
Longitudinal Runway Gradients (Recommendation) - Grading	Grade Runway to be within proper slope	+/- 0.8%	+/- 0.8%	+/- 0.8%	+/- 0.8%	+/- 0.8%
Runway to Parallel Taxiway A Centerline Separation (Existing)	Centerline-to-Centerline between exit taxiways A2 and A5 (or approximately 3,762 linear feet) does not meet the 400-foot separation	309 Ft.				
Runway to Parallel Taxiway A Centerline Separation (Recommendation) - Taxiway Reconstruction	Realign taxiway to provide adequate separation	400 Ft	400 Ft	400 Ft	400 Ft	400 Ft
Runway to Parallel Taxiway B Centerline Separation (Existing)	Centerline-to-Centerline does not meet the 400-foot separation	309 Ft.				
Runway to Parallel Taxiway B Centerline Separation (Recommendation) - Taxiway Reconstruction	Realign taxiway to provide adequate separation	400 Ft.	400 Ft.	400 Ft.	400 Ft.	400 Ft.
Runway 04 & Runway 22 Runway Protection Zones (Existing)	Incompatible Land Use					
Runway 04 & Runway 22 Runway Protection Zones (Recommendation) - Mitigation	Mitigate Incompatible Land Use					
Runway 09-27						
Runway Length (Existing)	Begin planning in PAL 4 for an ultimate extension to 4,500 feet, which would occur beyond the planning horizon.	4,000 Ft.	4,000 Ft.	4,000 Ft.	4,000 Ft.	4,000 Ft.
Runway Visibility Minimum (Existing)	-	1 Mile				
Runway Visibility Minimum (Recommendation) - Lower Visibility Minima	Recommend lower than ¾ mile instrument approach visibility minima.	< 3/4 Mile	< 3/4 Mile	< 3/4 Mile	< 3/4 Mile	< 3/4 Mile

Runway Width (Existing)	-	75 Ft.				
Runway Width (Recommendation) - Widen Runway	Widen Runway 9/27 from 75 to 100 feet to accommodate potential lower than ¼ mile instrument approach visibility minima	100 Ft.	100 Ft.	100 Ft.	100 Ft.	100 Ft.
Runway Safety Area (Existing)	-	B-II RSA Standards	B-II RSA Standards	B-II RSA Standards	B-II RSA Standards	B-II RSA Standards
Runway Object Free Zone (Existing)	-	B-II OFA Standards	B-II OFA Standards	B-II OFA Standards	B-II OFA Standards	B-II OFA Standards
Traverse Slope (Existing)	Required to be between 1.0 to 2.0 percent	+ or - 3%				
Traverse Slope (Recommendation) - Grading	Grade to be between 1.0 to 2.0 percent	1.0% to 2.0%	1.0% to 2.0%	1.0% to 2.0%	1.0% to 2.0%	1.0% to 2.0%
Longitudinal Runway Gradients (Existing)	-	B-II Standards	B-II Standards	B-II Standards	B-II Standards	B-II Standards
Runway to Parallel Taxiway F Centerline Separation (Existing)	(240 Ft. Required when at 1 mile visibility minimum) / (300 Ft. Required if providing lower than 3/4 mile visibility minima)	300 Ft.	300 Ft.	300 Ft.	300 Ft.	300 Ft.
Runway 04 & Runway 22 Runway Protection Zones (Existing)	Land Use					
Taxiways						
Taxiway Width - Taxiways B/F (Existing)	TDG 2B (Requirement: 35 feet wide)	TDG 2B Standards	TDG 2B Standards	TDG 2B Standards	TDG 2B Standards	TDG 2B Standards
Taxiway Width - Taxiways A/C/G (Existing)	TDG 5 (Requirement: 75 feet wide)	TDG 5 Standards	TDG 5 Standards	TDG 5 Standards	TDG 5 Standards	TDG 5 Standards
Taxiway Safety Areas - ADG II or ADG III (Existing)	-	ADG II / ADG III Standards	ADG II / ADG III Standards	ADG II / ADG III Standards	ADG II / ADG III Standards	ADG II / ADG III Standards
Taxiway Object Free Areas - ADG II or ADG III (Existing)	-	ADG II / ADG III Standards	ADG II / ADG III Standards	ADG II / ADG III Standards	ADG II / ADG III Standards	ADG II / ADG III Standards
Taxiway Fillets - Taxiway F & Connectors F1/F2/F4/F5/F6/F7 (Existing)	Does not meet TDG 2B fillet standards					
Taxiway Fillets - Taxiway B & Connectors B3/B4/B5 (Existing)	Does not meet TDG 2B fillet standards					
Taxiway Fillets - Taxiway A & Connectors A1/A3/A4/A5/A /A(Existing)	Does not meet TDG 3 fillet standards					
Taxiway Fillets - Taxiway G (Existing)	Does not meet TDG 3 fillet standards					
Taxiway Fillets - All Taxiways with Non-Standard Fillets (Recommendation) - Rehab./Recon. Taxiways	Rehabilitate or Reconstruct Taxiways to appropriate fillet standards					
Support Facility Requirements						
Study Area	Facility Recommendation	Base (165 Based Aircraft)	PAL 1 (170 Based Aircraft)	PAL 2 (176 Based Aircraft)	PAL 3 (181 Based Aircraft)	PAL 4 (186 Based Aircraft)
General Aviation Hangar Facilities						
Based Aircraft Hangar Space (Existing)	-	365,714 SF	365,714 SF			
Based Aircraft Hangar Space (Recommendation) - Construct Additional Hangar Space	Construct approximately 20,200 SF of additional Hangar Space (PAL 1)		385,914 SF	385,914 SF		
Based Aircraft Hangar Space (Recommendation) - Construct Additional Hangar Space	Construct approximately 16,000 SF of additional Hangar Space (PAL 2)			401,914 SF	401,914 SF	
Based Aircraft Hangar Space (Recommendation) - Construct Additional Hangar Space	Construct approximately 20,200 SF of additional Hangar Space (PAL 3)				422,114 SF	422,114 SF
Based Aircraft Hangar Space (Recommendation) - Construct Additional Hangar Space	Construct approximately 17,700 SF of additional Hangar Space (PAL 4)					439,814 SF
Study Area	Facility Recommendation	Base (56,887 GA Ops)	PAL 1 (58,611 GA Ops)	PAL 2 (60,679 GA Ops)	PAL 3 (62,403 GA Ops)	PAL 4 (64,127 GA Ops)
General Aviation Apron & Tie-Down Spaces						
GA Apron Space (Existing) - WestLEX	Existing GA Apron: 70,000 SY; however, 47,000 SY reserved for future corporate activity. Thus, 23,000 SY Available	23,000 SY				
GA Apron Space - WestLEX (Recommendation) - Apron Expansion	Apron currently at capacity. Immediate need for 23,979 SY (Base Year)	46,979 SY	46,979 SY			
GA Apron Space - WestLEX (Recommendation) - Apron Expansion	Expand Apron approximately by approx. 21,560 SY (PAL 1)		68,539 SY	68,539 SY		
GA Apron Space - WestLEX (Recommendation) - Apron Expansion	Expand Apron approximately by approx. 1,474 SY (PAL 2)			70,013 SY	70,013 SY	
GA Apron Space - WestLEX (Recommendation) - Apron Expansion	Expand Apron approximately by approx. 396 SY (PAL 3)				70,409 SY	70,409 SY
GA Apron Space - WestLEX (Recommendation) - Apron Expansion	Expand Apron approximately by approx. 1,474 SY (PAL 4)					71,883 SY
GA Apron Space - East GA Apron (Existing)	-	Adequate				
GA Apron Space - East GA Apron (Recommendation) - Additional aircraft parking (itinerant)	Approx. 7,300 SY of existing apron space that is currently used for itinerant aircraft in the East GA area will be leased out to a private tenant (PAL 1). It is recommended that an additional 7,300 SY be provided elsewhere in the short-term.		7,300 SY	7,300 SY	7,300 SY	7,300 SY
Study Area	Facility Recommendation	Base	PAL 1	PAL 2	PAL 3	PAL 4
Advanced Air Mobility						
	TBD					
Cargo						
Air Freight Facility (Existing)	-	Adequate	Adequate	Adequate	Adequate	Adequate
Aircraft Fueling						
Jet-A Fuel Tanks (Recommendation) - Media blast & recoat, as necessary	Need media blast & recoat	Needing media blast & recoat				
Avgas Fuel Tanks (Recommendation) - Recoating	Needing recoat	Needing recoat				
Supply Chain (Existing)	-	Reliable				
Aircraft Rescue and Firefighting (ARFF) & Public Safety						
ARFF Station (Existing)	-	23,200 SF	23,200 SF	23,200 SF	23,200 SF	23,200 SF
ARFF Equipment	Maintain ARFF Index C Equipment Requirements & Monitor Useful Life			May need vehicle replacement		

ARFF Training Facility - Simulators (Existing)	Monitor the integrity of existing simulators during the forecast horizon to determine when replacement may be necessary	2 Simulators	2 Simulators	2 Simulators	2 Simulators	2 Simulators
ARFF Training Facility - Building (Existing)	Constructed in 1997, Useful life of approximately 40 years	ARFF Training Center (Const. 1997)	ARFF Training Center (Const. 1997)	ARFF Training Center (Const. 1997)	ARFF Training Center (Const. 1997)	
ARFF Training Facility - Building (Recommendation) - Construct New ARFF Training Center	Construct New ARFF Training Center (PAL 3)				New ARFF Training Center	New ARFF Training Center
Public Safety Area [I.e., Training Room / Emergency Operations Center (EOC)]		Adequate	Adequate	Adequate	Adequate	Adequate
Landside Facility Requirements						
Terminal Curbside - Departures & Arrival Curb (Existing)	-	LOS A				
Terminal Curbside - Departures & Arrival Curb (Recommendation) - Improve terminal roadway	LOS is projected to decrease from existing LOS A to LOS B/C in PAL 1, with LOS C in PAL 2, and potentially lower than LOS C beyond PAL 2. Recommended to improve terminal roadway to reduce dwell times.		LOS B/C	LOS C	LOS C or <	LOS C or <