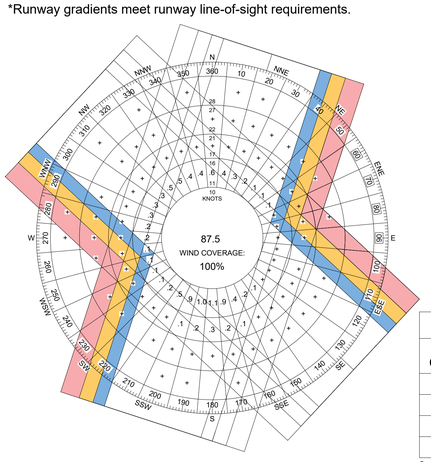
Runway Data Table

Description	Runway 2L		Runway 20R		Runway 2C		Runway 20C		Runway 2R		Runway 20L		Runway 13		Runway 31	
	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed
Runway Design Code	D-V-1200	D-V-1200	D-V-4000	D-V-4000	D-IV-2400	D-IV-2400	D-IV-5000	D-IV-5000	D-V-1200	D-V-1200	D-IV-2400	D-IV-2400	D-V-5000	D-V-5000	D-V-4000	D-V-4000
Approach Reference Code	D/IV/1600 D/V/2400	D/IV/1600 D/V/2400	D/IV/1600 D/V/2400	D/IV/1600 D/V/2400	D/V/2400	D/V/2400	D/V/5000	D/V/5000	D/V/600	D/V/600	D/V/2400	D/V/2400	D/IV/5000 D/V/5000	D/IV/5000 D/V/5000	D/IV/4000 D/V/4000	D/IV/4000 D/V/4000
Departure Reference Code	D/IV D/V	D/IV D/V	D/IV D/V	D/IV D/V	D/IV D/V	D/IV D/V	D/IV D/V	D/IV D/V	D/IV D/V	D/IV D/V	D/IV D/V	D/IV D/V	D/IV D/V	D/IV D/V	D/IV D/V	D/IV D/V
Pavement Type	Concrete - Grooved	Concrete - Grooved	Concrete - Grooved	Concrete - Grooved	Concrete - Grooved	Concrete - Grooved	Concrete - Grooved	Concrete - Grooved	Concrete - Grooved	Concrete - Grooved	Concrete - Grooved	Concrete - Grooved	Concrete - Grooved	Concrete - Grooved	Concrete - Grooved	Concrete - Grooved
Pavement Strength (Single Wheel)	100,000 lbs.	100,000 lbs.	100,000 lbs.	100,000 lbs.	75,000 lbs.	75,000 lbs.	75,000 lbs.	75,000 lbs.	75,000 lbs.	75,000 lbs.	75,000 lbs.	75,000 lbs.	75,000 lbs.	75,000 lbs.	75,000 lbs.	75,000 lbs.
Pavement Strength (Double Wheel)	200,000 lbs.	200,000 lbs.	200,000 lbs.	200,000 lbs.	209,000 lbs.	209,000 lbs.	209,000 lbs.	209,000 lbs.	209,000 lbs.	209,000 lbs.	209,000 lbs.	209,000 lbs.	175,000 lbs.	175,000 lbs.	175,000 lbs.	175,000 lbs.
Pavement Strength (Double Tandem)	390,000 lbs.	390,000 lbs.	390,000 lbs.	390,000 lbs.	350,000 lbs.	350,000 lbs.	350,000 lbs.	350,000 lbs.	350,000 lbs.	350,000 lbs.	350,000 lbs.	350,000 lbs.	250,000 lbs.	250,000 lbs.	250,000 lbs.	250,000 lbs.
Pavement Strength (Dual Double Tandem)	875,000 lbs.	875,000 lbs.	875,000 lbs.	875,000 lbs.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	875,000 lbs.	875,000 lbs.	875,000 lbs.	875,000 lbs.
Pavement Strength PCN	70/R/B/W/T	70/R/B/W/T	70/R/B/W/T	70/R/B/W/T	56/R/B/W/T	56/R/B/W/T	56/R/B/W/T	56/R/B/W/T	59/R/B/W/T	59/R/B/W/T	59/R/B/W/T	59/R/B/W/T	70/R/C/W/T	70/R/C/W/T	70/R/C/W/T	70/R/C/W/T
Effective Runway Gradient*	-0.6%	-0.6%	+0.6%	-0.6%	+0.5%	+0.5%	+0.4%	+0.4%	-0.7%	-0.7%	+0.5%	+0.5%	+0.7%	+0.7%	(-0.4%)	(-0.4%)
Runway Length	7,704'	12,000'	7,704'	12,000'	8,000'	8,000'	8,000'	8,000'	8,000'	8,000'	8,000'	8,000'	11,029'	11,029'	11,029'	11,029'
Runway Width	150'	150'	150'	150'	150'	150'	150'	150'	150'	150'	150'	150'	150'	150'	150'	150'
Runway End Coordinate Point - Latitude	36° 07' 03.641" N	36° 06' 23.149" N	36° 08' 16.230" N	36° 08' 16.230" N	36° 06' 11.991" N	36° 06' 11.991" N	36° 07' 27.239" N	36° 07' 27.239" N	36° 06' 45.767" N	36° 06' 45.767" N	36° 08' 01.011" N	36° 08' 01.011" N	36° 08' 28.598" N	36° 08' 28.598" N	36° 07' 13.785" N	36° 07' 13.785" N
Runway End Coordinate Point - Longitude	86° 41' 11.309" W	86° 41' 27.181" W	86° 40' 42.837" W	86° 40' 42.837" W	86° 41' 16.660" W	86° 41' 16.660" W	86° 40' 46.552" W	86° 40' 46.552" W	86° 40' 03.515" W	86° 40' 03.515" W	86° 39' 33.398" W	86° 39' 33.398" W	86° 41' 43.278" W	86° 41' 43.278" W	86° 40' 05.441" W	86° 40' 05.441" W
Runway End Point - Elevation	598.7'	609.1'	555.6'	555.6'	569.1'	569.1'	571.8'	571.8'	589.8'	589.8'	540.0'	540.0'	535.9'	535.9'	582.3'	582.3'
Displaced Threshold	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	800.0'	800.0'	741.0'	741.0'
Displaced Threshold Coordinate Point - Latitude	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	36° 08' 23.165" N	36° 08' 23.165" N	36° 07' 18.813" N	36° 07' 18.813" N
Displaced Threshold Coordinate Point - Longitude	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	86° 41' 36.170" W	86° 41' 36.170" W	86° 40' 12.014" W	86° 40' 12.014" W
Displaced Threshold Point - Elevation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	543.4'	543.4'	577.5'	577.5'
Runway Lighting	HIRL, TDZ, CL	HIRL, TDZ, CL	HIRL, CL	HIRL, CL	HIRL	HIRL	HIRL	HIRL	HIRL, TDZ, CL	HIRL, TDZ, CL	HIRL, CL	HIRL, CL	HIRL	HIRL	HIRL	HIRL
Runway Marking	Precision	Precision	Precision	Precision	Precision	Precision	Precision	Precision	Precision	Precision	Precision	Precision	Precision	Precision	Precision	Precision
RSA - Length Beyond End of Runway	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	200	200	259'	259'
RSA - Width	500'	500'	500'	500'	500'	500'	600'	600'	500'	500'	500'	500'	500'	500'	500'	500'
ROFA - Length Beyond End of Runway	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	200	200	259'	259'
ROFA - Width	800'	800'	800'	800'	800'	800'	800'	800'	800'	800'	800'	800'	800'	800'	800'	800'
ROFZ - Length Beyond End of Runway	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'
ROFZ - Width	400'	400'	400'	400'	400'	400'	400'	400'	400'	400'	400'	400'	400'	400'	400'	400'
POFZ - Distance from Threshold	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'
POFZ - Width	800'	800'	800'	800'	800'	800'	N/A	N/A	800'	800'	800'	800'	N/A	N/A	800'	800'
RPZ Dimensions	1,000' x 1,750' x 2,500'	1,000' x 1,750' x 2,500'	1,000' x 1,510' x 1,700'	1,000' x 1,510' x 1,700'	1,000' x 1,750' x 2,500'	1,000' x 1,750' x 2,500'	500' x 1,010' x 1,700'	500' x 1,010' x 1,700'	1,000' x 1,750' x 2,500'	1,000' x 1,750' x 2,500'	1,000' x 1,750' x 2,500'	1,000' x 1,750' x 2,500'	500' x 1,010' x 1,700'	500' x 1,010' x 1,700'	1,000' x 1,510' x 1,700'	1,000' x 1,510' x 1,700'
14 CFR Part 77 Approach Type	Precision	Precision	Precision	Precision	Precision	Precision	Non-Precision	Non-Precision	Precision	Precision	Precision	Precision	Non-Precision	Non-Precision	Precision	Precision
14 CFR Part 77 Approach Slope	50:1	50:1	50:1	50:1	50:1	50:1	34:1	34:1	50:1	50:1	50:1	50:1	34:1	34:1	50:1	50:1
14 CFR Part 77 Approach Dimensions	1,000' x 16,000' x 50,000'	1,000' x 16,000' x 50,000'	1,000' x 16,000' x 50,000'	1,000' x 16,000' x 50,000'	1,000' x 16,000' x 50,000'	1,000' x 16,000' x 50,000'	500' x 3,500' x 10,000'	500' x 3,500' x 10,000'	1,000' x 16,000' x 50,000'	1,000' x 16,000' x 50,000'	1,000' x 16,000' x 50,000'	1,000' x 16,000' x 50,000'	500' x 3,500' x 10,000'	500' x 3,500' x 10,000'	1,000' x 16,000' x 50,000'	1,000' x 16,000' x 50,000'
TSS Runway Type	5 / 6	5 / 6	4 / 6	4 / 6	5 / 6	5 / 6	4 / 6	4 / 6	5 / 6	5 / 6	5 / 6	5 / 6	4 / 6	4 / 6	4 / 6	4 / 6
TSS Slope	34:1	34:1	20:1	20:1	34:1	34:1	20:1	20:1	34:1	34:1	34:1	34:1	20:1	20:1	20:1	20:1
TSS Dimensions	800' x 3,800' x 10,000'	800' x 3,800' x 10,000'	800' x 3,800' x 10,000'	800' x 3,800' x 10,000'	800' x 3,800' x 10,000'	800' x 3,800' x 10,000'	400' x 1,000' x 1,500' x 8,500'	400' x 1,000' x 1,500' x 8,500'	800' x 3,800' x 10,000'	800' x 3,800' x 10,000'	800' x 3,800' x 10,000'	800' x 3,800' x 10,000'	400' x 1,000' x 1,500' x 8,500'	400' x 1,000' x 1,500' x 8,500'	800' x 3,800' x 10,000'	800' x 3,800' x 10,000'
40:1 Runway Departure Surface	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Visibility Minimum	600 RVR	600 RVR	3/4-Mile	3/4-Mile	1/2-Mile	1/2-Mile	1-Mile	1-Mile	600 RVR	600 RVR	1/2-Mile	1/2-Mile	1-Mile	1-Mile	3/4-Mile	3/4-Mile
Aeronautical Survey Required for Approach	Vertically Guided	Vertically Guided	Vertically Guided	Vertically Guided	Vertically Guided	Vertically Guided	Vertically Guided	Vertically Guided	Vertically Guided	Vertically Guided	Vertically Guided	Vertically Guided	Vertically Guided	Vertically Guided	Vertically Guided	Vertically Guided
Visual and Instrument NAVAIDs	IM, GS, LOC, GPS, DME	IM, GS, LOC, GPS, DME	IM, GS, LOC, GPS, DME	IM, GS, LOC, GPS, DME	GS, LOC, GPS, DME	GS, LOC, GPS, DME	GPS, PAPI-4, REIL	GPS, PAPI-4, REIL	MM, IM, GS, LOC, GPS, DME, PAPI-4	MM, IM, GS, LOC, GPS, DME, PAPI-4	GS, LOC, GPS, DME	GS, LOC, GPS, DME	GPS, VORTAC, VASI-6, REIL	GPS, VORTAC, VASI-6, REIL	GS, LOC, GPS, DME, REIL	GS, LOC, GPS, DME, REIL
Touchdown Zone Elevation	598.7'	609.1'	578.3'	578.3'	586.9'	586.9'	587.8'	587.8'	582.2'	582.2'	550.5'	550.5'	563.4'	563.4'	582.2'	582.2'
Approach Lighting	ALSF-2	ALSF-2	MALSF	MALSF	MALSR	MALSR	REIL	REIL	ALSF-2	ALSF-2	MALSR	MALSR	REIL, Threshold	REIL, Threshold	REIL, Threshold	REIL, Threshold
Horizontal Datum	NAV 83	NAV 83	NAV 83	NAV 83	NAV 83	NAV 83	NAV 83	NAV 83	NAV 83	NAV 83	NAV 83	NAV 83	NAV 83	NAV 83	NAV 83	NAV 83
Vertical Datum	NAVD 88	NAVD 88	NAVD 88	NAVD 88	NAVD 88	NAVD 88	NAVD 88	NAVD 88	NAVD 88	NAVD 88	NAVD 88	NAVD 88	NAVD 88	NAVD 88	NAVD 88	NAVD 88

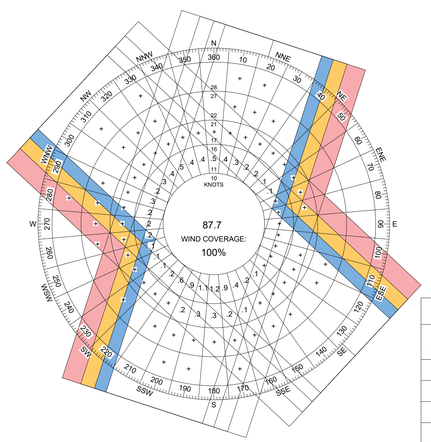
*Runway gradients meet runway line-of-sight requirements.



All Weather Wind Coverage

Crosswind Component	02/20	13/31	Total
10.5 kts	96.99	93.91	99.61
13 kts	98.55	97.03	99.93
16 kts	99.68	99.36	99.99
20 kts	99.94	99.90	100

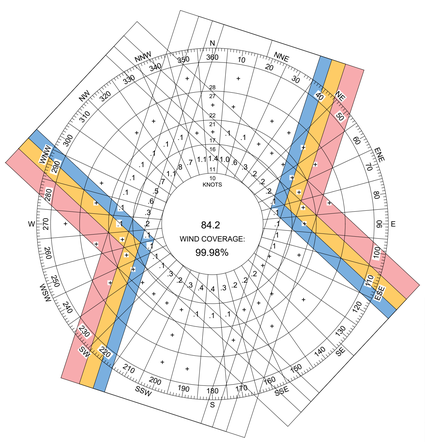
Source: 723270 Nashville International Airport Annual Period Record 2008-2017, FAA



VFR Wind Coverage

Crosswind Component	02/20	13/31	Total
10.5 kts	97.20	93.89	99.62
13 kts	98.67	97.01	99.94
16 kts	99.72	99.37	99.99
20 kts	99.95	99.91	100

Source: 723270 Nashville International Airport Annual Period Record 2008-2017, FAA



IFR Wind Coverage

Crosswind Component	02/20	13/31	Total
10.5 kts	94.05	93.99	94.05
13 kts	96.81	97.14	96.81
16 kts	99.08	99.20	99.08
20 kts	99.77	99.77	100

Source: 723270 Nashville International Airport Annual Period Record 2008-2017, FAA

Abbreviations

Abbreviation	Description	Abbreviation	Description	Abbreviation	Description	Abbreviation	Description	Abbreviation	Description	Abbreviation	Description
ADG	Airplane Design Group	BRL	Building Restriction Line	IFR	Instrument Flight Rules	N/A	Not Applicable	ROFA	Runway Object Free Area	TORA	Takeoff Run Available
ALSF	High Intensity Approach Lighting System with Sequenced Flashers	CAT	Category	ILS	Instrument Landing System	NAD	North American Datum	ROFZ	Runway Obstacle Free Zone	TSA	Taxiway Safety Area
APRC	Approach Reference Code	CFR	Code of Federal Regulations	IM	Inner Marker	NAVD	North American Vertical Datum	RPZ	Runway Protection Zone	TSS	Threshold Siting Surface
ARC	Airport Reference Code	CL	Centerline	LDA	Landing Distance Available	NAVAID	Navigational Aid	RSA	Runway Safety Area	VASI	Visual Approach Slope Indicator
ARP	Airport Reference Point	DME	Distance Measuring Equipment	LOC	Localizer	NOAA	National Oceanic and Atmospheric Administration	RVR	Runway Visual Range	VFR	Visual Flight Rules
ASDA	Accelerate-Stop Distance Available	DPRC	Departure Reference Code	MALSF	Medium Intensity Approach Lighting System with Sequenced Flashers	NPIAS	National Plan of Integrated Airports Systems	RVZ	Runway Visibility Zone	VIS	Visibility
ASOS	Automated Surface Observing System	FAA	Federal Aviation Administration	MALSR	Medium Intensity Approach Lighting System with Runway Alignment Indicator Lights	PAPI	Precision Approach Path Indicator	TDG	Taxiway Design Group	VORTAC	Very High Frequency Omnidirectional Range/Tactical Air Navigation
ASR	Airport Surveillance Radar	GPS	Global Positioning System	MITL	Medium Intensity Taxiway Lights	PCN	Pavement Classification Number	TDZ	Touchdown Zone		
ATCT	Air Traffic Control Tower	GSCA	Glide Slope Antenna Critical Area	MM	Middle Marker	RDC	Runway Design Code	TODA	Takeoff Distance Available		
AWOS	Automated Weather Observing System	HIRL	High Intensity Runway Lights	MSL	Mean Sea Level	REIL	Runway End Identifier Lights	TOFA	Taxiway Object Free Area		

PROJECT

Nashville Int'l. Airport
Airport Layout Plan

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REVISIONS

No.	Revision Description	Done By	Approved By	Date

PROJECT NUMBER

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PL-001
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22-February-2021