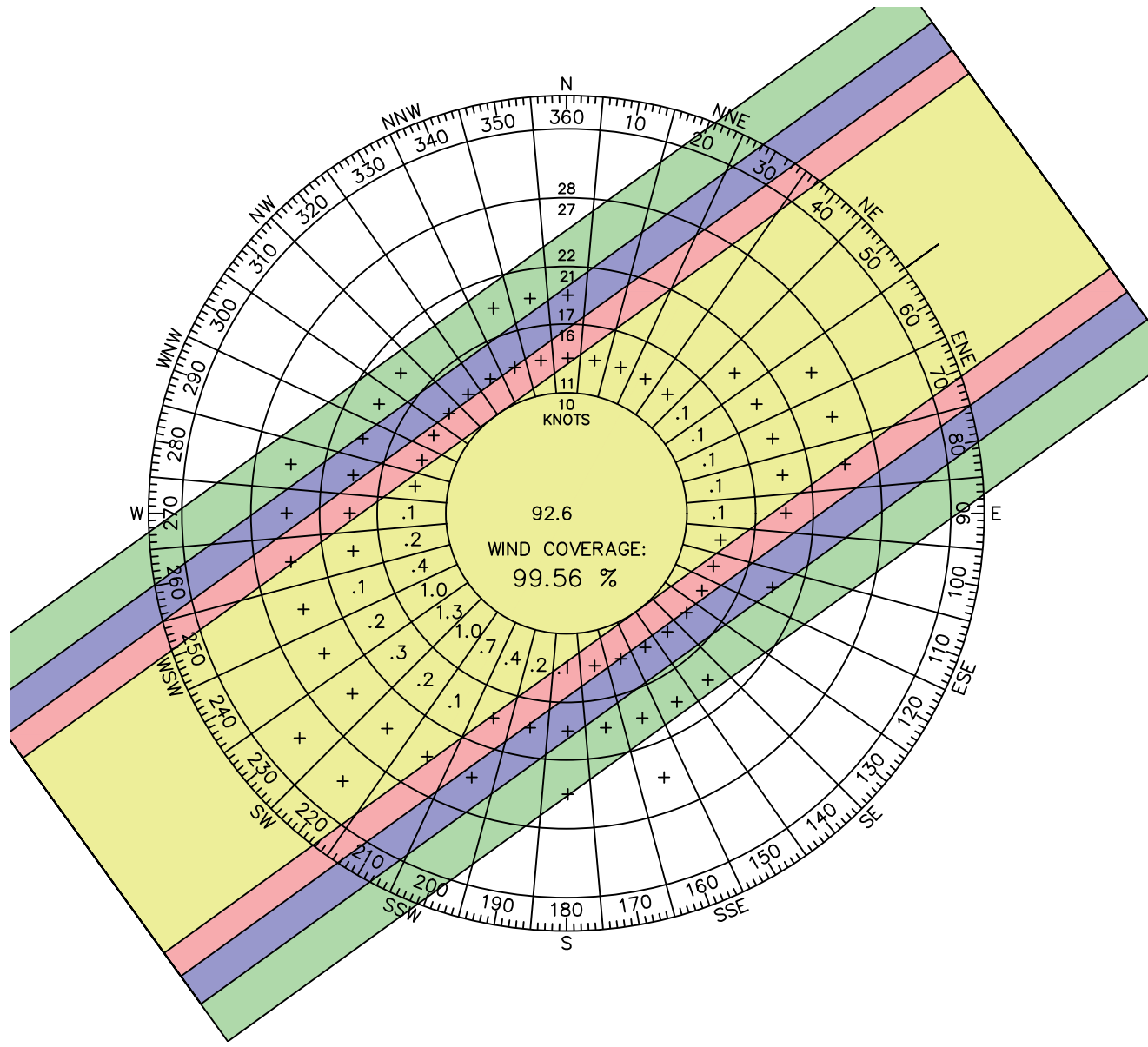


N:\1701003_ACA\DWG\04SHEETS\ALP-BE1170103 - AIRPORT LAYOUT PLAN.DWG, 1/10/2022

RUNWAY DATA TABLE													
ITEM		EXISTING				FUTURE				ULTIMATE			
RUNWAY IDENTIFICATION		4L	22R	4R	22L	4L	22R	4R	22L	4L	22R	4R	22L
RUNWAY DESIGN CODE		B-II		B-I-SMALL		SAME		SAME		C/II		SAME	
APPROACH REFERENCE CODE		B/II/5000		B/II/4000		SAME		SAME		C/II/5000		C/II/2400	
DEPARTURE REFERENCE CODE		B/II		B/II(S)		SAME		SAME		C/II		SAME	
PAVEMENT STRENGTH & MATERIAL TYPE		CONCRETE		ASPHALT		SAME		SAME		SAME		SAME	
WHEEL LOAD STRENGTH		SW - 30,000 LBS		SW - 30,000 LBS		SAME		SAME		SAME		SAME	
PCN		UNDETERMINED		UNDETERMINED		SAME		SAME		SAME		SAME	
PCI		92/53		60		SAME		SAME		SAME		SAME	
SURFACE TREATMENT		NONE		NONE		SAME		SAME		SAME		SAME	
RUNWAY GRADIENT		0.23%		0.10%		SAME		SAME		SAME		SAME	
WIND COVERAGE		SEE WIND ROSES											
RUNWAY DIMENSIONS (LENGTH/WIDTH)		4,498' X 140'		2,650' X 75'		5,000' X 100'		SAME		5,500' X 100'		SAME	
RUNWAY SHOULDER DIMENSIONS (WIDTH)		5' LEFT AND RIGHT		N/A		N/A		N/A		N/A		N/A	
DISPLACED RUNWAY DIMENSION		N/A		N/A		N/A		SAME		5,078' X 100'		SAME	
DISPLACED THRESHOLD ELEVATION		N/A		N/A		N/A		SAME		N/A		1958'	
RUNWAY SAFETY AREA DIMENSIONS													
LENGTH BEYOND RUNWAY END		300'		240'		SAME		SAME		1000'		SAME	
WIDTH		150'		120'		SAME		SAME		500'		SAME	
LENGTH PRIOR TO THRESHOLD		NONE		NONE		NONE		SAME		NONE		422'	
RUNWAY END COORDINATES		N047° 40' 45.12" W117° 19' 52.99"	N047° 41' 11.09" W117° 18' 59.67"	N047° 40' 51.74" W117° 19' 26.93"	N047° 41' 07.04" W117° 18' 55.52"	N047° 40' 45.12" W117° 19' 52.99"	N047° 41' 13.99" W117° 18' 53.72"	SAME		N047° 40' 45.12" W117° 19' 52.99"	N047° 41' 16.88" W117° 18' 47.80"	SAME	
RUNWAY END ELEVATION		1,946.41'	1,956.66'	1,950.31	1,953.66'	1,946.41'	1,958.02'	SAME		1,946.41'	1,959.37'	SAME	
DISPLACED THRESHOLD COORDINATES & ELEVATION		N/A		N/A		N/A		SAME		N/A	N047° 41' 14.41" W117° 18' 52.77" ELEV. 1,958.18'	SAME	
RUNWAY LIGHTING TYPE		MIRL		NONE		SAME		SAME		MIRL		SAME	
RUNWAY PROTECTION ZONE DIMENSIONS													
LENGTH		1,700'		1,700'		1000'		SAME		1,700'		2,500'	
INNER WIDTH		500'		1,000'		250'		SAME		500'		1,000'	
OUTER WIDTH		700'		1,510'		450'		SAME		1,010'		1,700'	
RUNWAY MARKING TYPE		NON-PRECISION		PRECISION		VISUAL		SAME		NON-PRECISION		PRECISION	
14 CFR PART 77 APPROACH CATEGORY		34:1		50:1 / 40:1		20:1		SAME		34:1		50:1 / 40:1	
APPROACH TYPE		NON-PRECISION		PRECISION		VISUAL		SAME		NON-PRECISION		PRECISION	
VISIBILITY MINIMUMS		NOT LOWER THAN 1 MILE		NOT LOWER THAN 3/4 MILE		VISUAL		SAME		NOT LOWER THAN 3/4		NOT LESS THAN 1/2	
TYPE OF AERONAUTICAL SURVEY REQUIRED FOR APPROACH		18B SURVEY CONDUCTED 10/2017		18B SURVEY CONDUCTED 10/2017		MUST BE UPDATED WHEN RUNWAY EXT.		SAME		MUST BE UPDATED WHEN RUNWAY EXT.		SAME	
RUNWAY DEPARTURE SURFACE		40:1		40:1		SAME		SAME		SAME		SAME	
RUNWAY OBJECT FREE AREA													
LENGTH		300'		240'		SAME		SAME		1,000'		SAME	
WIDTH		500'		250'		SAME		SAME		800'		SAME	
OBSTACLE FREE ZONE													
LENGTH BEYOND RUNWAY END		200'		200'		SAME		SAME		SAME		SAME	
WIDTH		300'		250'		SAME		SAME		SAME		SAME	
THRESHOLD SITING SURFACE (Note 1)		20:1 (TYPE 4)		20:1 (TYPE 4)		20:1 (TYPE 3)		SAME		SAME		SAME	
VISUAL AND INSTRUMENT NAVAIDS		MALSR, VASI, REIL, ILS, GLIDE SLOPE, LOCALIZER		PAPI-4		SAME		SAME		SAME BUT CHANGE VASI TO PAPI-4		SAME	
TOUCHDOWN ZONE ELEVATION		1,949.03'		1,956.50'		1,954.01'		1,954.01'		SAME		1,959.37'	
TAXIWAY													
WIDTH		TAXIWAY A=35', C,D=50' (TDG 3 &4)		TAXIWAY B=40', E=35' (TDG 2)		SAME		SAME		SAME PLUS NEW PARALLEL TAXIWAYS		SAME	
SAFETY AREA DIMENSIONS		79'		79'		SAME		SAME		SAME		SAME	
OBJECT FREE AREA		131'		131'		SAME		SAME		SAME		SAME	
TAXIWAY EDGE SAFETY MARGIN		10'		7.5'		SAME		SAME		SAME		SAME	
LIGHTING		MITL		NONE		SAME		SAME		SAME		SAME	
TAXILANE													
WIDTH		25'		25'		SAME		SAME		SAME		SAME	
SAFETY AREA DIMENSIONS		49'		49'		SAME		SAME		SAME		SAME	
OBJECT FREE AREA		79'		79'		SAME		SAME		SAME		SAME	
LIGHTING		NONE		NONE		SAME		SAME		MITL		SAME	
TAXIWAY/TAXILANE SEPARATION		250		700		200		SAME		300'		SAME	
NON-STANDARD CONDITION		NON-STANDARD 140' RUNWAY WIDTH RESULTS IN NON-STANDARD SHOULDER, MARKING, & EDGE LIGHT CONFIGURATIONS		NONE		WIDER RUNWAY WIDTH TO ACCOMMODATE ULTIMATE RDC OF C-II		NONE		DISPLACED THRESHOLD & DECLARED DISTANCES TO BE EVALUATED IN FUTURE BY THE FAA		NONE	
HORIZONTAL DATUM		NAD 83											
VERTICAL DATUM		NAVD 88											
1 ENGINEERING BRIEF #99 (9/20/2018)													
BASED ON AC 5300-13A													

DECLARED DISTANCES TABLE												
ITEM	EXISTING				FUTURE				ULTIMATE			
	4L	22R	4R	22L	4L	22R	4R	22L	4L	22R	4R	22L
TAKE OFF RUN AVAILABLE (TORA)	4,499	4,499	2,650	2,650	5,000	5,000	SAME	SAME	5,500	5,500	SAME	SAME
TAKE OFF DISTANCE AVAILABLE (TODA)	4,499	4,499	2,650	2,650	5,000	5,000	SAME	SAME	5,500	5,500	SAME	SAME
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	4,499	4,499	2,650	2,650	5,000	5,000	SAME	SAME	5,500	5,500	SAME	SAME
LANDING DISTANCE AVAILABLE (LDA)	4,499	4,499	2,650	2,650	5,000	5,000	SAME	SAME	5,500	5,078	SAME	SAME

WIND COVERAGE - ALL WEATHER



WIND COVERAGE - ALL WEATHER				
RUNWAY	CROSSWIND COMPONENT: 10.5KTS	CROSSWIND COMPONENT: 13KTS	CROSSWIND COMPONENT: 16KTS	CROSSWIND COMPONENT: 20KTS
4L-22R	99.56%	99.84%	99.97%	100.00%
4R-22L	99.56%	99.84%	99.97%	100.00%
COMBINED	99.56%	99.84%	99.97%	100.00%

WIND DATA FROM 2009 TO 2018 WERE COLLECTED FROM THE ASOS LOCATED ON THE AIRPORT. TOTAL NUMBER OF OBSERVATIONS 101,855.