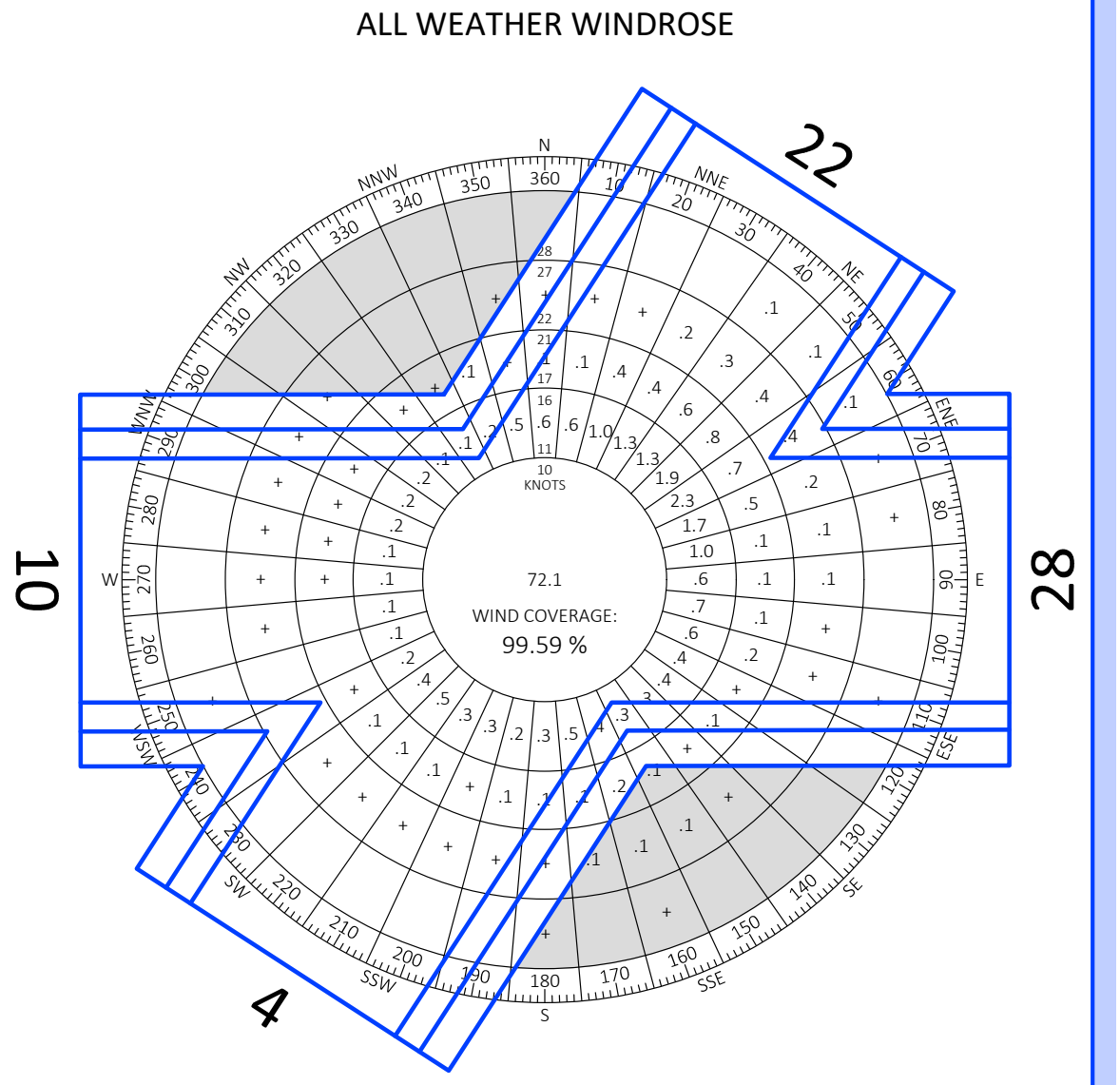
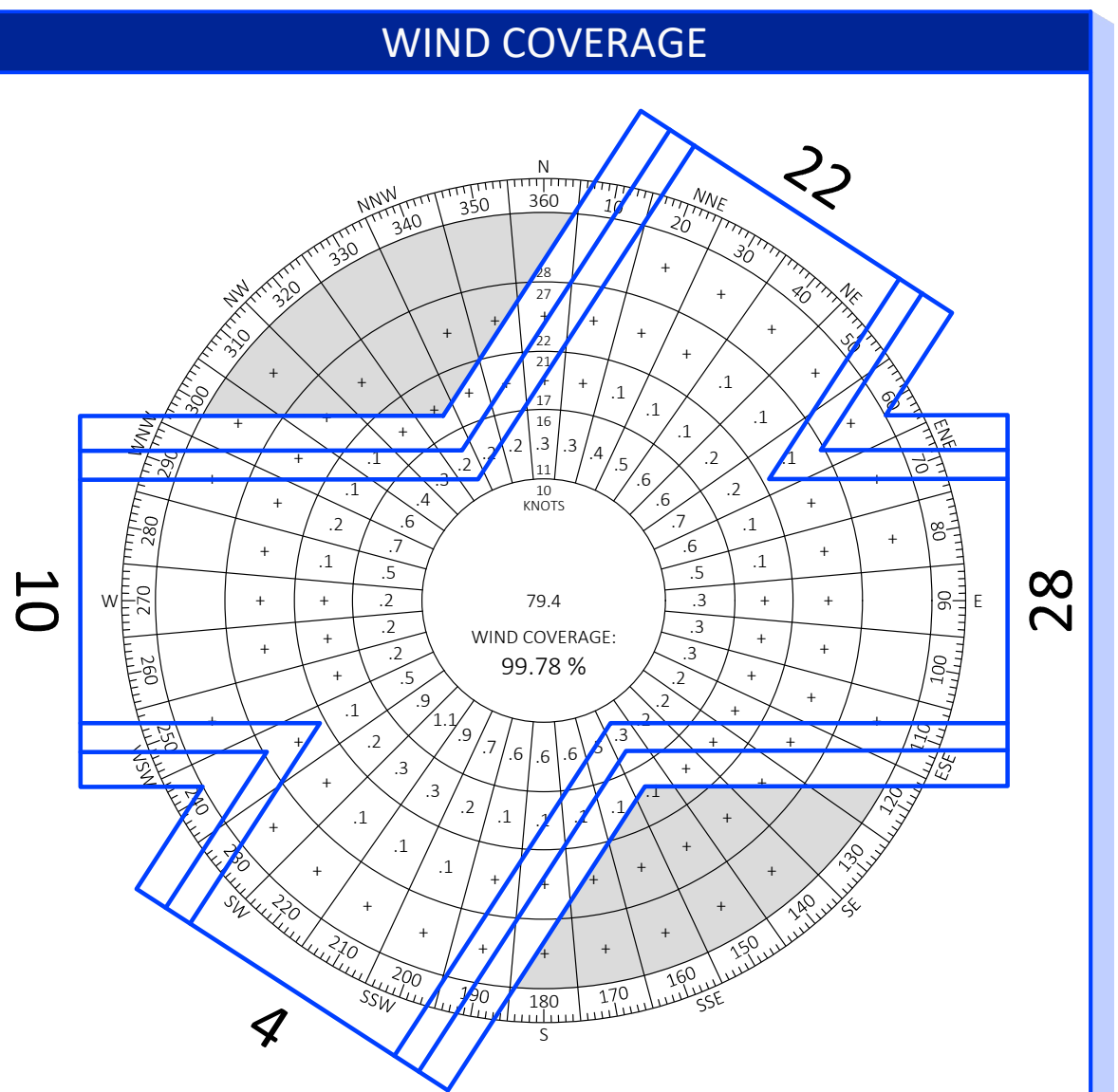


RUNWAY DATA TABLE						
ITEM	RUNWAY 4-22			RUNWAY 10-28		
	EXISTING	PROPOSED	ULTIMATE	EXISTING	PROPOSED	
RUNWAY END	4 / 22	SAME	SAME	10 / 28	SAME	
RUNWAY DESIGN CODE (RDC)	B-II-5000	SAME	C-II-5000	B-I-VIS	B-I-5000	
APPROACH REFERENCE CODE (APRC)	D/IV/4000 / D/V/4000	SAME	SAME	B/II/4000	SAME	
DEPARTURE REFERENCE CODE (DPRC)	D/IV / D/V	SAME	SAME	B/II	SAME	
CRITICAL AIRCRAFT	CESSNA CITATION EXCEL/XLS	SAME	BOMBARDIER CHALLENGER 600 GULFSTREAM IV	EMBRAER PHENOM 100	SAME	
PAVEMENT STRENGTH	SINGLE WHEEL	50,000 LBS	SAME	50,000 LBS	SAME	
	DUAL WHEEL	175,000 LBS	SAME	91,000 LBS	SAME	
	PCN	43 / F/A/X/T	SAME	36 / F/A/X/T	SAME	
SURFACE TYPE	ASPHALT	SAME	ASPHALT	ASPHALT	SAME	
EFFECTIVE RUNWAY GRADIENT	0.01%	SAME	SAME	0.14%	0.13%	
MAXIMUM GRADE CHANGE	0.44%	SAME	SAME	0.22%	SAME	
WIND COVERAGE (%)	ALL WEATHER	13 KNOT - 96.20%	SAME	10.5 KNOT - 89.97%	SAME	
	IFR	13 KNOT - 95.90%	SAME	10.5 KNOT - 87.57%	SAME	
RUNWAY LENGTH	5,500'	SAME	6,123'	3,109'	3,200'	
RUNWAY WIDTH	150'	SAME	75'	SAME	SAME	
DISPLACED THRESHOLD	370' / 169'	NONE	SAME	NONE	SAME	
RUNWAY END COORDINATES	LATITUDE	4 - N38°40'58.45"	SAME	4 - N38°40'51.76"	10 - N38°41'05.21"	
	LONGITUDE	4 - W75°21'56.95"	SAME	4 - W75°22'02.47"	10 - W75°21'44.03"	
	LATITUDE	22 - N38°41'44.08"	SAME	22 - N38°41'42.57"	28 - N38°41'05.21"	
	LONGITUDE	22 - W75°21'19.26"	SAME	22 - W75°21'20.51"	28 - W75°21'03.68"	
RUNWAY LIGHTING	MIRL	SAME	SAME	MIRL	SAME	
RUNWAY MARKING	NON-PRECISION	SAME	SAME	BASIC	NON-PRECISION	
CFR PART 77 APPROACH TYPE	NPI / NPI	SAME	SAME	VISUAL / VISUAL	NPI / NPI	
CFR PART 77 APPROACH CATEGORY	D / C	SAME	SAME	B / B	C / C	
CFR PART 77 APPROACH SLOPE	34:1 / 34:1	SAME	SAME	20:1 / 20:1	34:1 / 34:1	
VISIBILITY MINIMUMS	3/4 MILE / 7/8 MILE	SAME	SAME	VISUAL / VISUAL	1 MILE / 1 MILE	
TYPE OF AERONAUTICAL SURVEY	VERTICALLY GUIDED	SAME	SAME	VERTICALLY GUIDED	SAME	
RUNWAY DEPARTURE SURFACE	YES / YES	SAME	SAME	NO / NO	SAME	
AIRPORT DESIGN APPROACH SURFACE FROM TABLE 3-2 IN EB #99A	#4, #6 / #4, #6	SAME	SAME	#2 / #2	#4, #6 / #4, #6	
RUNWAY PROTECTION ZONE (RPZ)	INNER WIDTH	1,000' / 1,000'	SAME	500' / 500'	SAME	
	OUTER WIDTH	1,510' / 1,510'	SAME	700' / 700'	SAME	
	LENGTH	1,700' / 1,700'	SAME	1,000' / 1,000'	SAME	
RUNWAY OBJECT FREE AREA (ROFA)	LENGTH BEYOND RUNWAY	300' / 300'	SAME	1,000' / 1,000'	240' / 240'	
	WIDTH	500'	SAME	800'	400'	
RUNWAY SAFETY AREA (RSA)	LENGTH BEYOND RUNWAY	300' / 300'	SAME	1,000' / 1,000'	240' / 240'	
	WIDTH	150'	SAME	500'	120'	
OBSTACLE FREE ZONE (OFZ)	LENGTH BEYOND RUNWAY	200' / 200'	SAME	200' / 200'	SAME	
	WIDTH	400'	SAME	250'	SAME	
RUNWAY TO PARALLEL TAXIWAY	240'	SAME	SAME	225'	SAME	
RUNWAY TO AIRCRAFT PARKING AREA	250'	SAME	SAME	200'	SAME	
VISUAL APPROACH AIDS	MALS, REIL, PAPI / REIL, PAPI	SAME	SAME	REIL, PAPI / REIL, PAPI	SAME	
INSTRUMENT APPROACH AIDS	NONE	SAME	SAME	NONE	SAME	
MAXIMUM ELEVATION	50.7'	SAME	SAME	53.4'	SAME	
RUNWAY END ELEVATIONS	48.9' / 48.5'	SAME	48.9' / 49.2'	49.0' / 53.3'	49.1' / 53.3'	
DISPLACED THRESHOLD ELEVATION	48.7' / 49.1'	NONE	SAME	NONE	SAME	
TOUCH DOWN ZONE (TDZ) ELEVATION	50.7' / 50.7'	SAME	50.2' / 50.7'	53.2' / 53.4'	53.3' / 53.4'	
LINE OF SIGHT VIOLATIONS	NONE	SAME	SAME	NONE	SAME	

AIRPORT DATA TABLE				
ITEM	EXISTING	PROPOSED	ULTIMATE	
AIRPORT REFERENCE CODE (ARC)	B-II	SAME	C-II	
MEAN MAXIMUM TEMPERATURE OF HOTTEST MONTH	87° F	SAME	90° F	
AIRPORT ELEVATION	53.4'	SAME	SAME	
AIRPORT NAVIGATIONAL AIDS	BEACON	SAME	SAME	
AIRPORT REFERENCE POINT	LATITUDE	N38°41'15.47"	N38°41'15.36"	N38°41'13.06"
	LONGITUDE	W75°21'33.51"	W75°21'32.87"	W75°21'35.44"
MISCELLANEOUS FACILITIES	ASOS, WIND CONE	SAME	SAME	
CRITICAL AIRCRAFT	CESSNA CITATION EXCEL/XLS	SAME	BOMBARDIER CHALLENGER 600 GULFSTREAM IV	
MAGNETIC VARIATION (SOURCE: NGS, 2023)	11.6° W	SAME	SAME	
NPIAS SERVICE LEVEL	GENERAL AVIATION	SAME	SAME	
STATE SERVICE LEVEL	REGIONAL	SAME	SAME	
COMBINED WIND COVERAGE (%)	ALL WEATHER	99.30%	SAME	SAME
	IFR	98.95%	SAME	SAME
AIRCRAFT APPROACH CATEGORY (AAC)	B	SAME	C	
AIRPLANE DESIGN GROUP (ADG)	II	SAME	SAME	
TAXIWAY DESIGN GROUP (TDG)	2	SAME	SAME	
TAXIWAY SAFETY AREA (TSA) WIDTH	79'	SAME	SAME	
TAXIWAY OBJECT FREE AREA (TOFA) WIDTH	124'	SAME	SAME	
TAXILANE OBJECT FREE AREA (TLOFA) WIDTH	110'	SAME	SAME	
TAXIWAY EDGE SAFETY MARGIN (TESM)	7.5'	SAME	SAME	
TAXIWAY TO PARALLEL TAXIWAY SEPARATION	101.5'	SAME	SAME	
TAXIWAY TO FIXED OR MOVABLE OBJECT	62'	SAME	SAME	
TAXILANE TO PARALLEL TAXILANE SEPARATION	94.5'	SAME	SAME	
TAXILANE TO FIXED OR MOVABLE OBJECT	55'	SAME	SAME	
TAXIWAY LIGHTING	MITL	SAME	SAME	
TAXIWAY MARKING	ENHANCED	SAME	SAME	
TAXIWAY SURFACE TYPE	ASPHALT	SAME	SAME	
TAXIWAY SHOULDER WIDTH	15'	SAME	SAME	

MODIFICATION TO DESIGN STANDARDS					
NO.	STANDARD MODIFIED	FAA STANDARDS	EXISTING CONDITION	PROPOSED ACTION	DATE APPROVED
			NONE		



WIND COVERAGE			
	10.5 KNOTS	13 KNOTS	16 KNOTS
ALL WEATHER			
RUNWAY 4-22	93.16%	96.20%	98.86%
RUNWAY 10-28	89.97%	94.34%	98.02%
COMBINED	97.95%	99.30%	99.78%
IFR			
RUNWAY 4-22	92.54%	95.90%	98.47%
RUNWAY 10-28	87.57%	92.55%	96.93%
COMBINED	97.45%	98.95%	99.59%

DECLARED DISTANCES								
APPROACH END ID	TORA	TODA	ASDA	LDA	LDA		ASDA RSA LENGTH	DATE APPROVED
					APPROACH END RSA LENGTH	STOP END RSA LENGTH		
EXISTING								
4	5,500'	5,500'	5,500'	5,130'	300'	300'	300'	N/A
22	5,500'	5,500'	5,500'	5,331'	300'	300'	300'	N/A
10	3,109'	3,109'	3,109'	3,109'	240'	240'	240'	N/A
28	3,109'	3,109'	3,109'	3,109'	240'	240'	240'	N/A
PROPOSED								
4	5,500'	5,500'	5,500'	5,500'	300'	300'	300'	N/A
22	5,500'	5,500'	5,500'	5,500'	300'	300'	300'	N/A
10	3,200'	3,200'	3,200'	3,200'	240'	240'	240'	N/A
28	3,200'	3,200'	3,200'	3,200'	240'	240'	240'	N/A
ULTIMATE								
4	6,123'	6,123'	6,123'	6,123'	600'	1,000'	1,000'	N/A
22	6,123'	6,123'	6,123'	6,123'	600'	1,000'	1,000'	N/A
10	3,200'	3,200'	3,200'	3,200'	240'	240'	240'	N/A
28	3,200'	3,200'	3,200'	3,200'	240'	240'	240'	N/A

RUNWAY SAFETY AREA DETERMINATION					
RUNWAY ID	STANDARD RSA LENGTH BEYOND RUNWAY END	ACTUAL RSA		RSA DETERMINATION	DATE APPROVED
		LENGTH BEYOND RUNWAY END	VIOLATIONS TO RSA ALONG SIDE OF RUNWAY		
EXISTING					
4	300'	300'	NONE	NO	N/A
22	300'	300'	NONE	NO	N/A
10	240'	240'	NONE	NO	N/A
28	240'	240'	NONE	NO	N/A
PROPOSED					
4	300'	300'	NONE	PENDING	N/A
22	300'	300'	NONE	PENDING	N/A
10	240'	240'	NONE	PENDING	N/A
28	240'	240'	NONE	PENDING	N/A
ULTIMATE					
4	1,000'	1,000'	NONE	PENDING	N/A
22	1,000'	1,000'	NONE	PENDING	N/A
10	240'	240'	NONE	PENDING	N/A
28	240'	240'	NONE	PENDING	N/A

				SCALE: NONE DRAWN: RGT CHECKED: ZAS	DESIGN: SRB PROJECT: 18517.00 DATE: DECEMBER 2023	SHEET: 4 OF 23
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