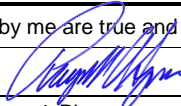


## NOTICE FOR CONSTRUCTION, ALTERATION AND DEACTIVATION OF AIRPORTS

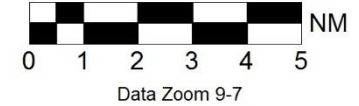
<b>A. Airport Owner</b> <input checked="" type="checkbox"/> Check if this is also the Property Owner		<b>B. Airport Manager</b> (Complete if different than the Airport Owner)		
1. Name and Address <input checked="" type="checkbox"/> Check if this is the Airport's Physical Address Maine Medical Center 22 Bramhall Street Portland, ME 04102		1. Name and Address <input type="checkbox"/> Check if this is the Airport's Physical Address HeliExperts 489 Broadway Long Branch, NJ 07740		
2. Phone (732) 870-8883	3. Email info@heliexp.com	2. Phone (732) 870-8883	3. Email info@heliexp.com	
<b>C. Purpose of Notification</b> (Answer all questions that apply)		<b>D. Name, Location, Use and Type of Landing Area</b>		
1. Construct or Establish as: <input type="checkbox"/> Airport <input type="checkbox"/> Ultralight Flightpark <input type="checkbox"/> Balloonport <input checked="" type="checkbox"/> Heliport <input type="checkbox"/> Seaplane Base <input type="checkbox"/> Other	2. Construct, Alter or Realign as: <input type="checkbox"/> Runway <input checked="" type="checkbox"/> Helipad(s) <input type="checkbox"/> Other <input type="checkbox"/> Taxiway (Public Use Airports only)	1. Name of Landing Area Maine Medical Center	2. Loc ID (for existing)	
3. Change Status From/To: <input type="checkbox"/> VFR to IFR <input type="checkbox"/> IFR to VFR <input type="checkbox"/> Private Use to Public Use <input type="checkbox"/> Public Use to Other	4. Change Traffic Pattern: <input type="checkbox"/> Direction _____ <input type="checkbox"/> Altitude _____ <input type="checkbox"/> Other (Describe Below)	3. Associated City and State Portland, ME	4. Distance from City 0 (nm)	
5. Deactivate: <input type="checkbox"/> Airport <input type="checkbox"/> RWY _____ <input type="checkbox"/> TWY _____	6. Description: Establishment of a new Hospital, Private, PPR rooftop heliport at the Maine Medical Center in Portland, Maine	5. County (Physical Location) Cumberland	6. Direction from City W	
		7. Latitude 43 ° 39 ' 14.3800 "	8. Longitude 70 ° 16 ' 32.6300 "	
		9. Elevation 240		
		10. Current Use: <input checked="" type="checkbox"/> Private <input type="checkbox"/> Public <input type="checkbox"/> Private Use of Public Lands		
		11. Ownership: <input checked="" type="checkbox"/> Private <input type="checkbox"/> Public <input type="checkbox"/> Military (Branch) _____		
		12. Airport Type: <input type="checkbox"/> Airport <input type="checkbox"/> Ultralight Flightpark <input type="checkbox"/> Balloonport <input checked="" type="checkbox"/> Heliport <input type="checkbox"/> Seaplane Base <input type="checkbox"/> Other		
<b>E. Landing Area Data</b> (List any Proposed, New or Unregistered Runways, Helipads etc.)				
1. Airport, Seaplane Base or Ultralight Flightpark (use second page if needed)		2. Helipad, Balloonport or other Landing Area (use second page if needed)		
RWY ID	/	/	Helipad ID	
Lat. & Long.	Show on attachment(s)	Show on attachment(s)	Lat. & Long.	
Surface Type			Surface Type	
Length (feet)			TLOF Dimensions	
Width (feet)			FATO Dimensions	
Lighting (if any)			Lighting (if any)	
Right Traffic (Y/N)	/	/	Ingress/Egress (Degrees)	
Elevation (AMSL)	Show on attachment(s)	Show on attachment(s)	Elevation (AMSL)	
VFR or IFR	/	/	Elevated Height (AGL)	
<b>F. Operational Data</b> (Indicate if the number provided is Actual or Estimated)				
	1. Number of Based Aircraft		2. Average Number of Monthly Landings	
	Present or Estimated	Estimated in 5 Years	Present or Estimated	Estimated in 5 Years
Single Engine	0	0	0	0
Multi Engine	0	0	0	0
Jet	0	0	0	0
Helicopter	0	0	450	750
Glider	0	0	0	0
Military	0	0	0	0
Ultralight	0	0	0	0
3. What is the Most Demanding Aircraft that operates or will operate at the Airport? (Provide approach speed, rotor diameter, etc. if known) Design Helicopter: Coast Guard MH-60 J-Hawk // Rotor Diameter = 53.8' // Overall Length = 64.8' // Max Gross Weight = 22,000 lbs.				
4. Are IFR Procedures for the Airport Anticipated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No if Yes, Within <u>2</u> Years				
<b>G. CERTIFICATION:</b> I hereby certify that all of the above statements made by me are true and complete to the best of my knowledge.				
1. Name, title of person filing this notice (type or print) Raymond A. Syms Authorized Agent		2. Signature (in ink): 		
3. Date 08/29/2017		4. Phone (732) 870-8883		5. Email info@heliexp.com

# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

## Proposed Site and Aviation Sectional Airspace Overlay

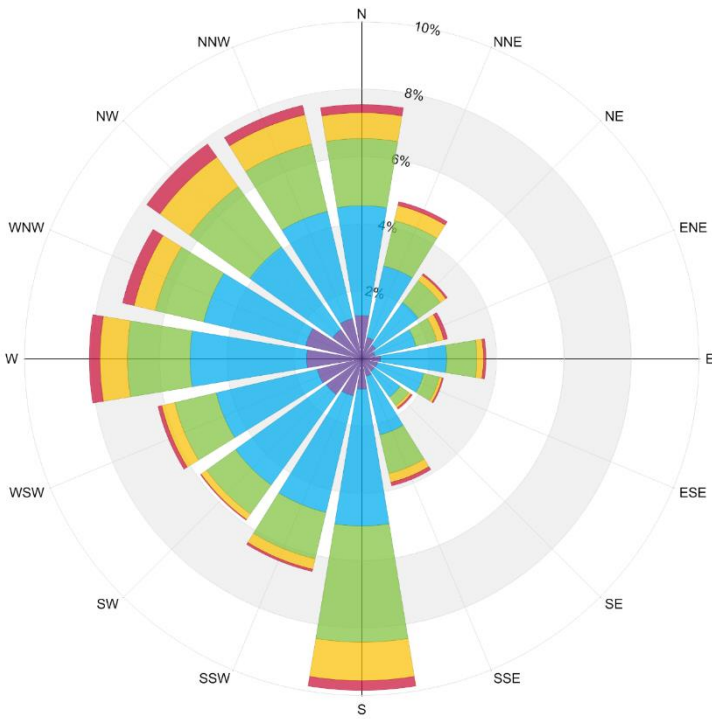


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 www.delorme.com

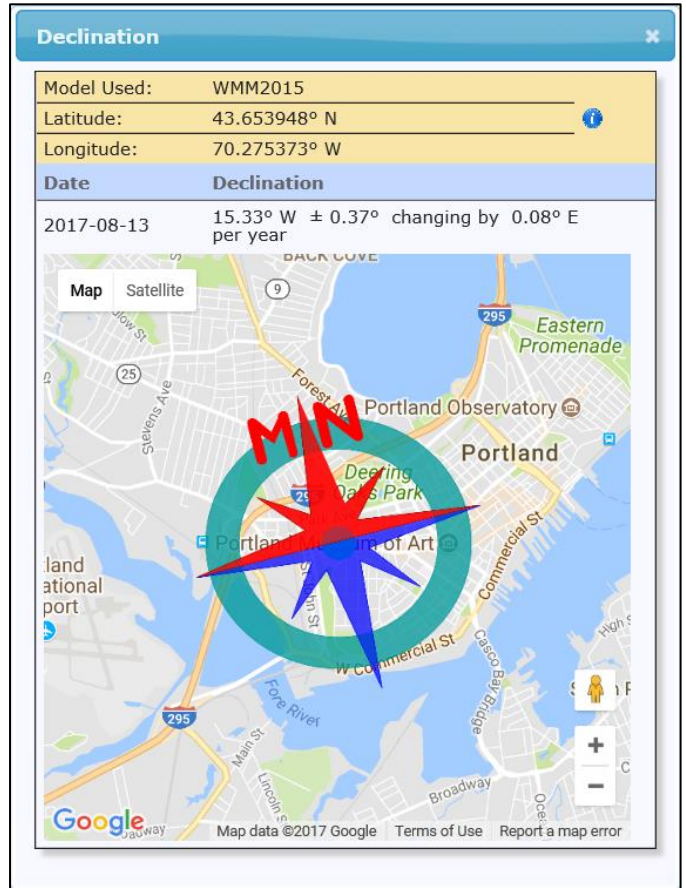


# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

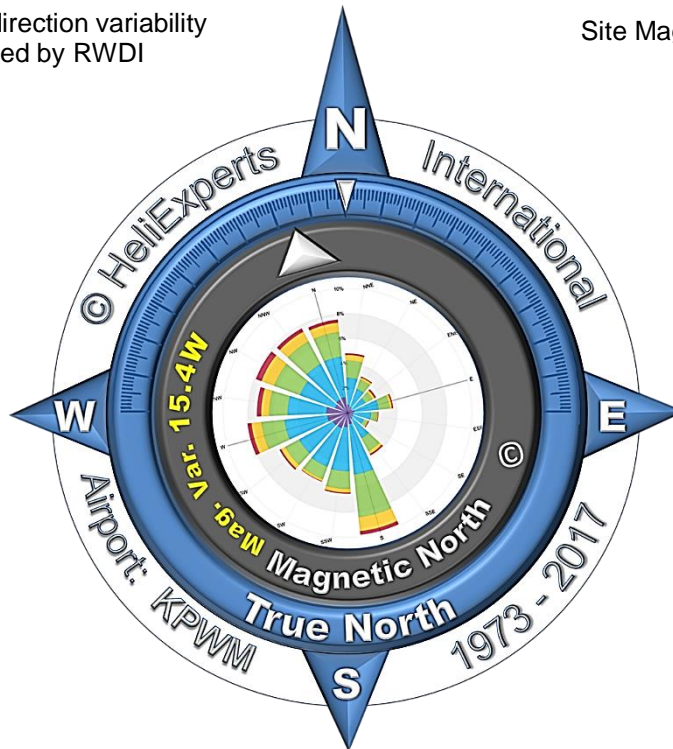
## Local Winds and Magnetic Declination



Local wind speed and direction variability  
For KPWM Provided by RWDI



Site Magnetic Declination



HeliExperts site specific Wind & Compass  
Rose for both Magnetic and True North

## Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

### Airports and Heliports within 10NM

There are 4-Heliports, 7-Airports and 1 Ultraflight Flightpark (Public, Private and Military) on record and listed in the FAA 5010 Airport Master Record database located within a 10-nautical mile radius of the proposed Maine Medical Center heliport site located at:

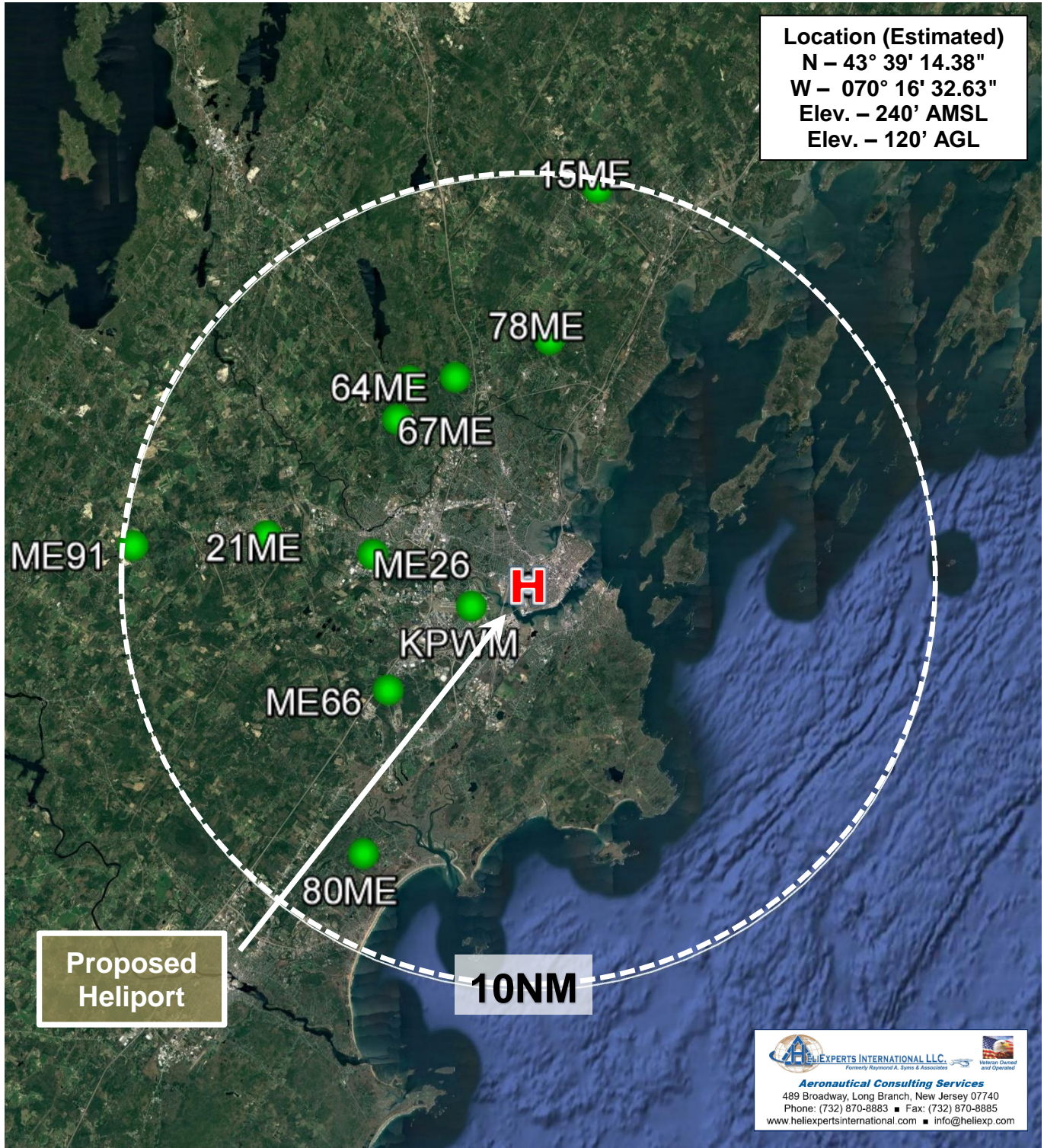
Address: Maine Medical Center  
22 Bramhall Street  
Portland, ME 04102

Coordinates: Latitude: N – 43° 39' 14.38"  
Longitude: W – 070° 16' 32.63"

ID	CITY	AIRPORT NAME	WHERE
PWM	Portland	Portland International Jetport Airport	1.5 nm W
ME26	Westbrook	Super Cub Field Airport	3.9 nm W
ME66	Scarborough	Scottow Bog Ultralight Flightpark	4.3 nm SW
67ME	Westbrook	Sta-Kel Heliport	5.2 nm NW
64ME	Falmouth	Dave Libby Heliport	5.4 nm NNW
07ME	Westbrook	Westbrook Heliport	5.8 nm NNW
78ME	Falmouth	Eric's Field Airport	6.0 nm N
21ME	Gorham	Moody Field Airport	6.5 nm WNW
80ME	Scarborough	Bayley's Field Airport	7.7 nm SSW
ME21	Chebeague Island	Chebeague Island Heliport	7.9 nm NE
ME91	Gorham	Webster Field Airport	9.6 nm W
15ME	North Yarmouth	Eagle Field Airport	9.9 nm NNE

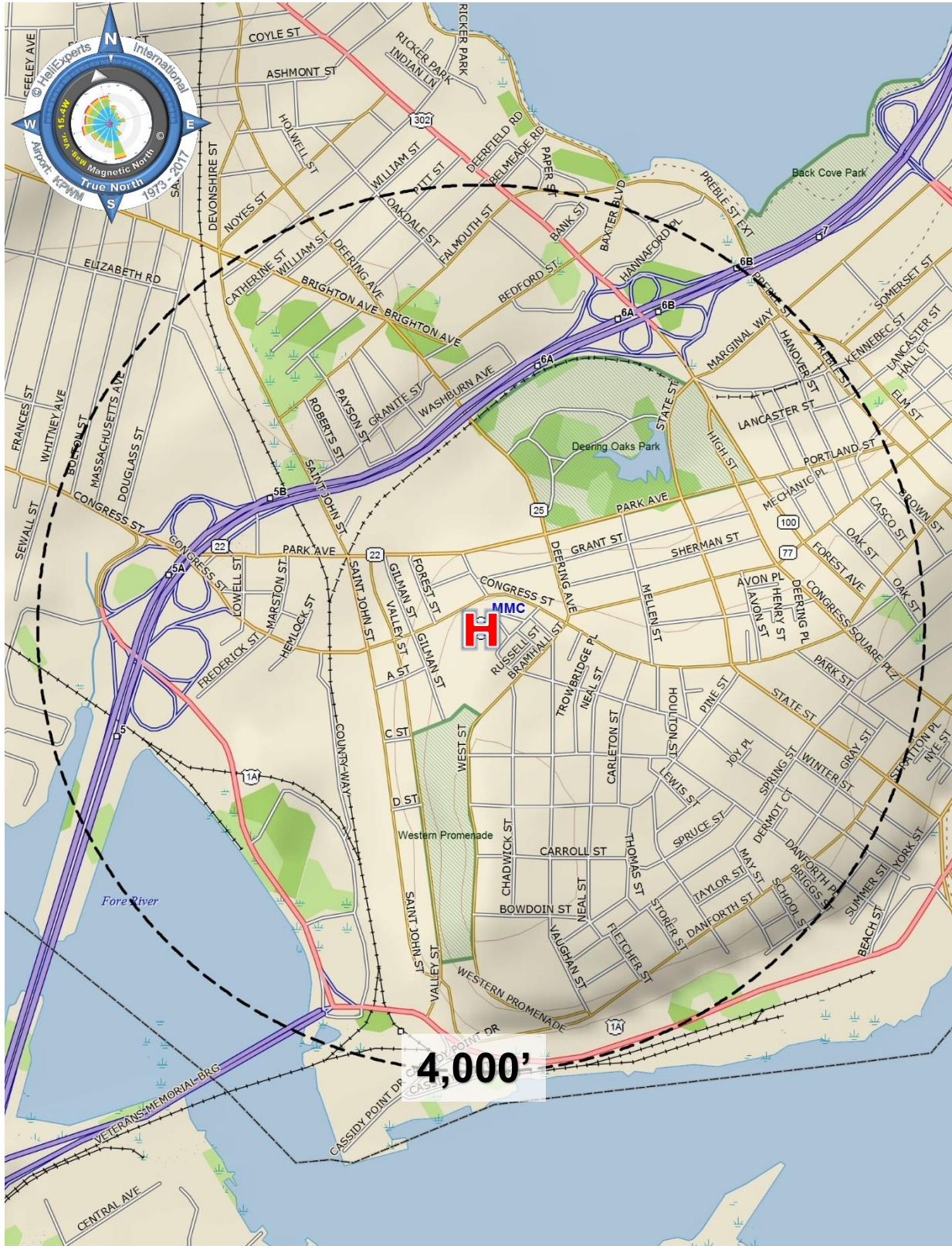
# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

## Plotted Airports & Heliports within 10NM



# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

## Site Location Topographical Airspace Considerations



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www.delorme.com

★  
MN (15.4° W)

0 400 800 1200 1600 2000 ft  
Data Zoom 13-7

# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

## Proposed Approach/Departure Paths (Satellite Overlay)

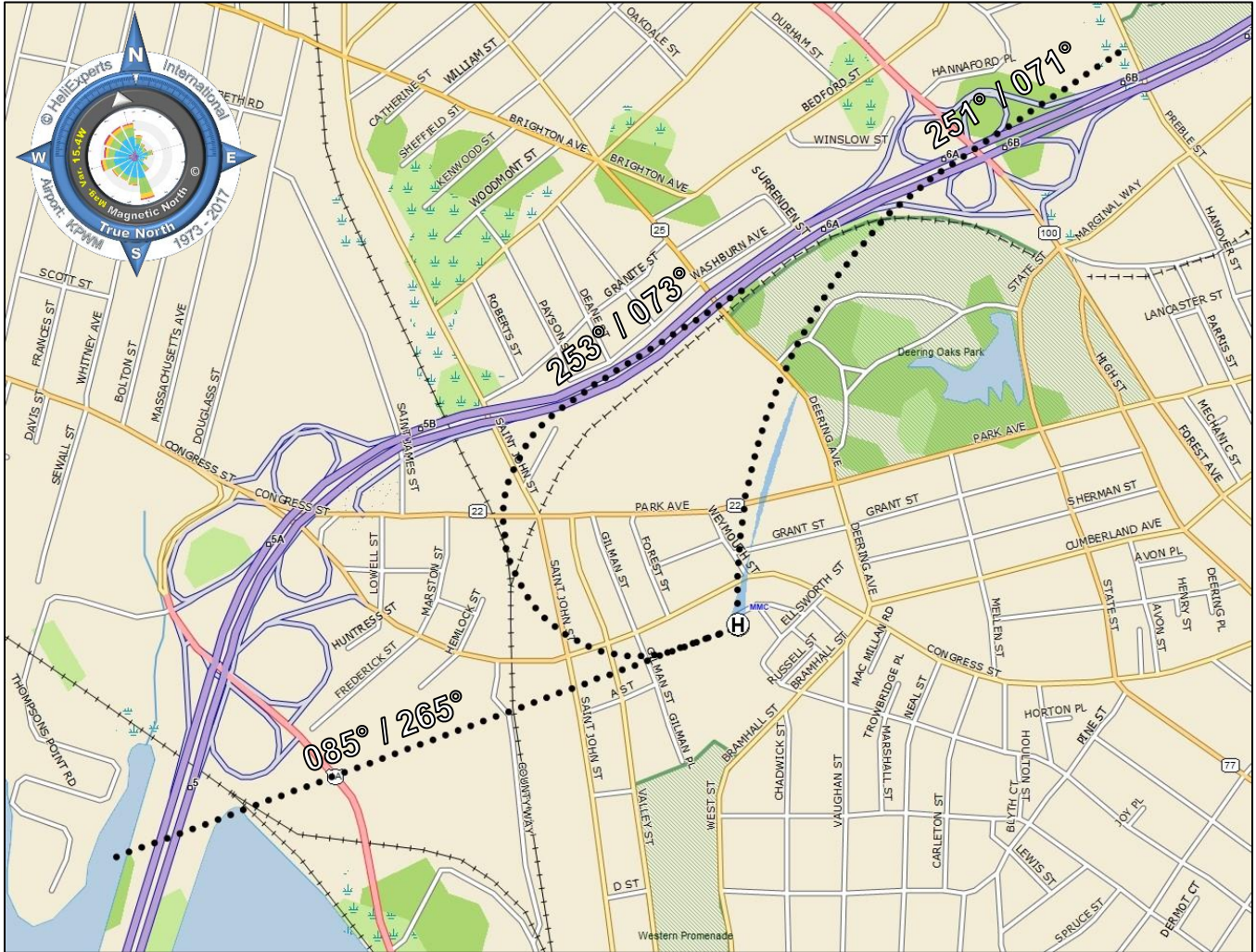


### Proposed Approach/Departure Paths:

- A. Straight Approach
  - 085° / 265° Magnetic // 070° / 250° True
- B. Curved Approach, alternate to A for noise abatement purposes
  - a. 253° / 073° Magnetic // 238° / 058° True
- C. Curved Approach
  - a. 251° / 071° Magnetic // 235° / 055° True

# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

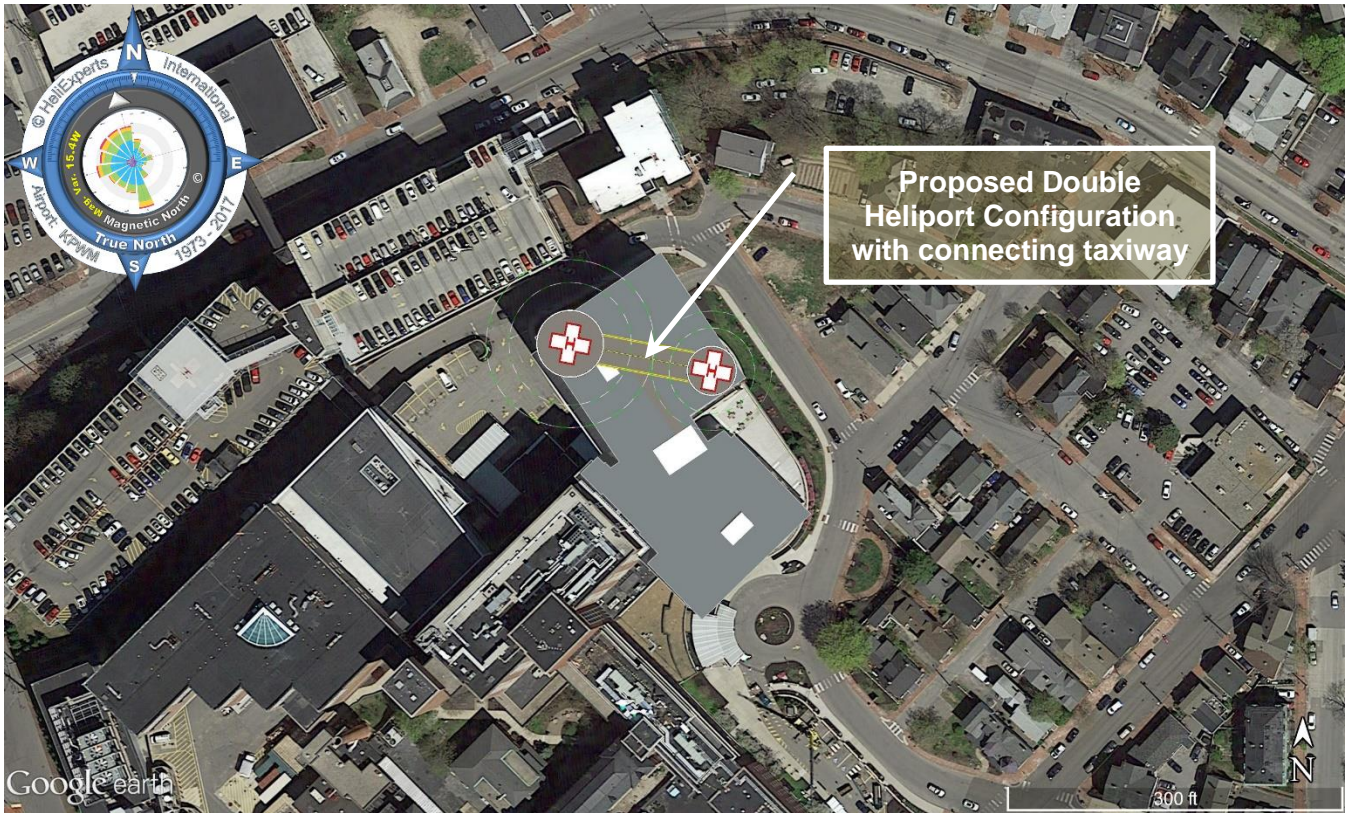
## Proposed Approach/Departure Paths (Topographical Overlay)



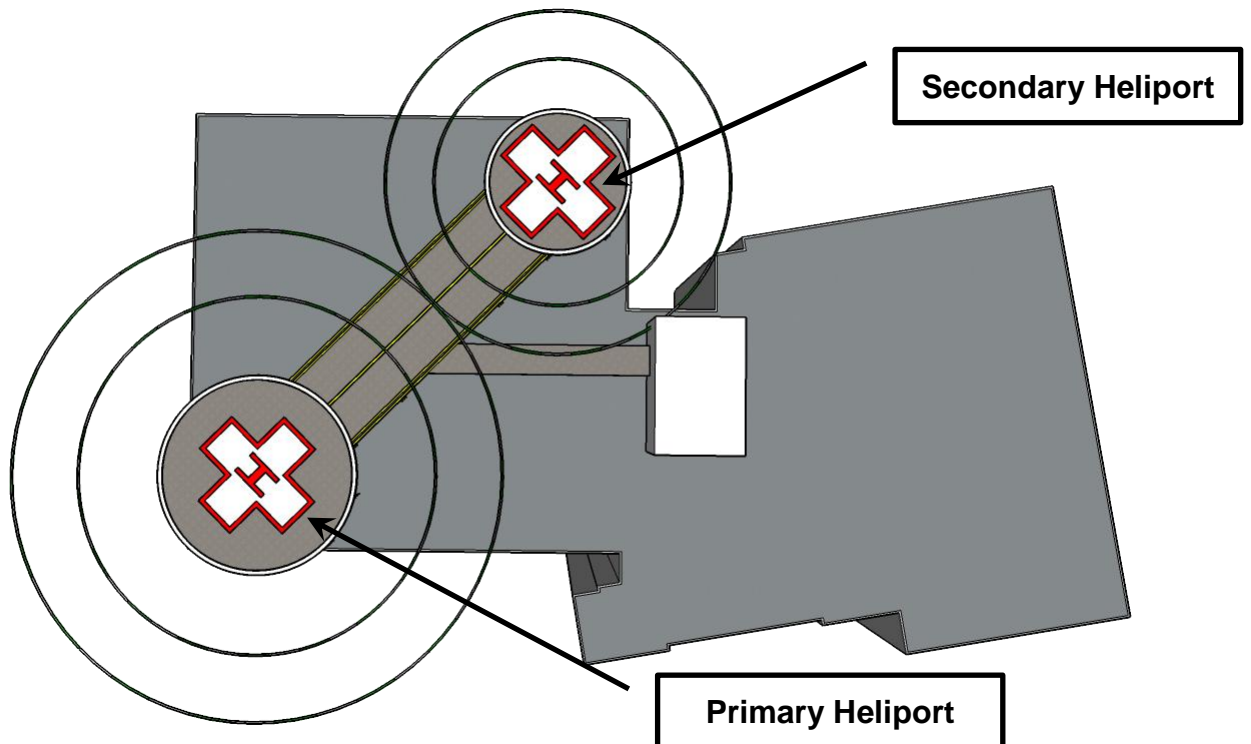


# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

## Proposed Heliport Site Location and Layout



### Double Heliport Configuration



# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

## PRIMARY HELIPORT DIMENSIONS

Based on the largest helicopter that will service this location being the Coast Guard MH-60/HH-60 Jayhawk helicopter. The primary heliport will also be the designated landing area for the S-76 as well.

- MH-60 Rotor Diameter: 53.8 feet
- MH-60 Overall Length: 64.8 feet
- MH-60 Maximum Gross Weight: 22,000 lbs.
- MH-60 Undercarriage: Length = 29' / Width = 9.7 feet

## Minimum Touchdown and Liftoff (TLOF) Dimensions

*The minimum TLOF dimension (length, width, or diameter) is equal to the rotor diameter (RD) of the design helicopter but not less than 40 feet (12 m).*

- 1 X Rotor Diameter = **53.8 feet** (rounded up to 54')

## Minimum Final Approach Departure Area (FATO) Dimensions

*Design the FATO so its minimum width, length, or diameter is 1½ times the overall length (D) of the design helicopter.*

- 1.5 X Overall Length (64.8) = **97.2 feet**

## Minimum Safety Area Width Dimensions

*Minimum VFR safety area width based on standard hospital heliport markings is 1/3 Rotor Diameter but not less than 10 feet*

- 1/3 RD (53.8) = 18'
- Overall safety area = 18' X 2 + FATO(97.2) = **133.2 feet**

# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

## SECONDARY HELIPORT DIMENSIONS

The secondary heliport is based on the smaller helicopters servicing this location which includes the; AW-109, EC-135 and the EC-145.

\*Special note for a hospital heliport the smallest allowable Touchdown and Liftoff Area is 40 feet.

The following is a composite helicopter representation for the secondary heliport made up of the largest dimensions and weights of the above three aircraft.

- AW-109 & EC-145 Rotor Diameter: 36.1 feet
- AW-109 Overall Length: 42.8 feet
- EC-145 Maximum Gross Weight: 7,904 lbs
- Undercarriage: Length (AW-109): 12.3 / Width (EC-145): 7.9

## Minimum Touchdown and Liftoff (TLOF) Dimensions

*The minimum TLOF dimension (length, width, or diameter) is equal to the rotor diameter (RD) of the design helicopter but not less than 40 feet (12 m).*

- 1 X Rotor Diameter = 36.1 feet / \*minimum = **40 feet**

## Minimum Final Approach Departure Area (FATO) Dimensions

*Design the FATO so its minimum width, length, or diameter is 1½ times the overall length (D) of the design helicopter.*

*\*Special Note: minimum separation between the perimeters of the FATO and TLOF are equal to:  $\frac{3}{4}$  OL –  $\frac{1}{2}$  RD*

- 1.5 X Overall Length (42.8) = 64.2 feet
- Minimum Perimeter between TLOF & FATO:  $\frac{3}{4}$  (42.8) –  $\frac{1}{2}$  (36.1) = 14.05
  - 14.05 X 2 + TLOF (40) = **68.1 feet**

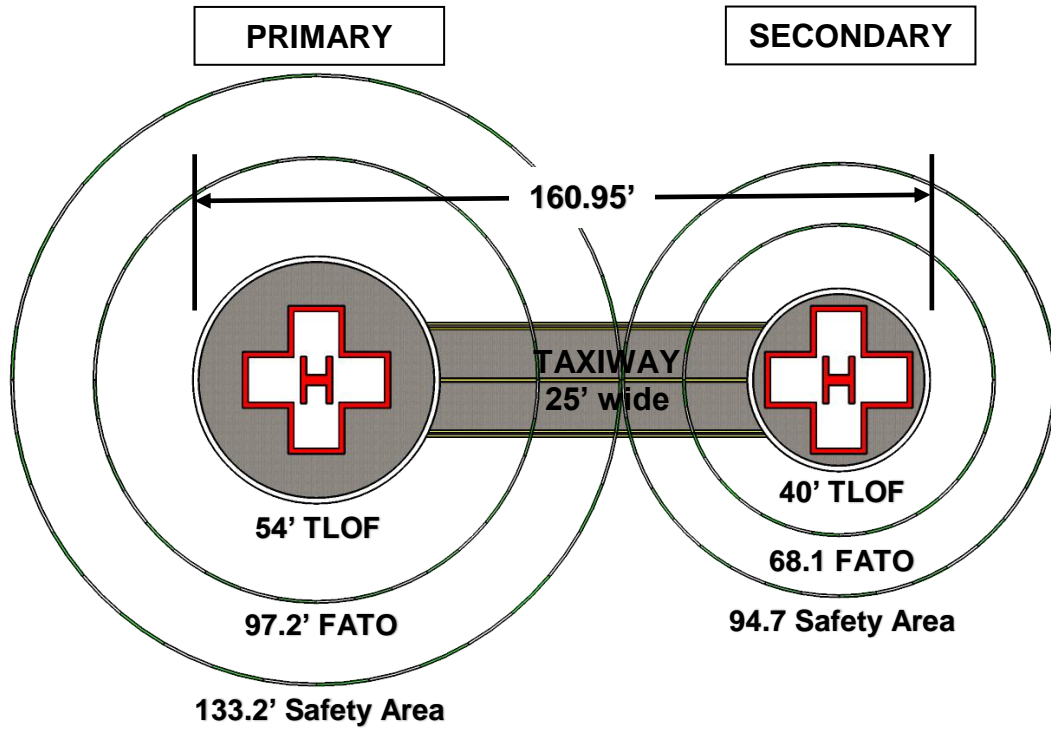
## Minimum Safety Area Width Dimensions

*Minimum VFR safety area width based on standard hospital heliport markings is 1/3 Rotor Diameter but not less than 10 feet*

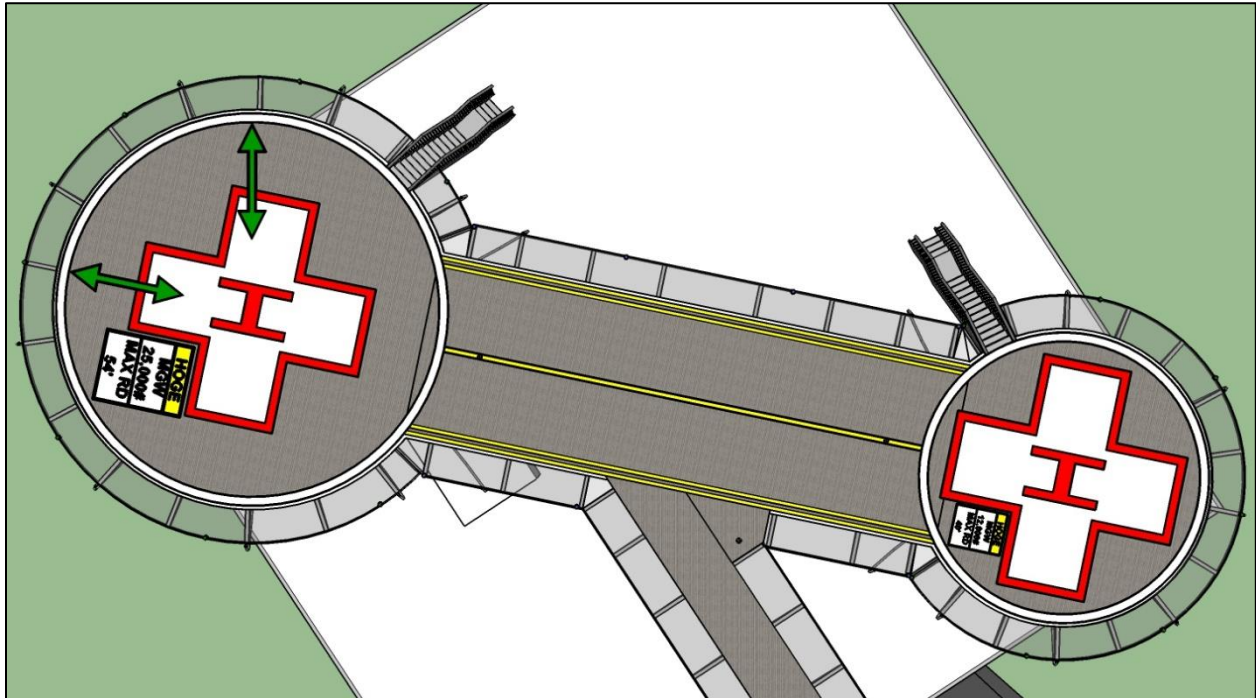
- 1/3 RD (40) = 13.3'
- Overall safety area = 13.3' X 2 + FATO(68.1) = **94.7 feet**

# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

## PROPOSED LAYOUT:

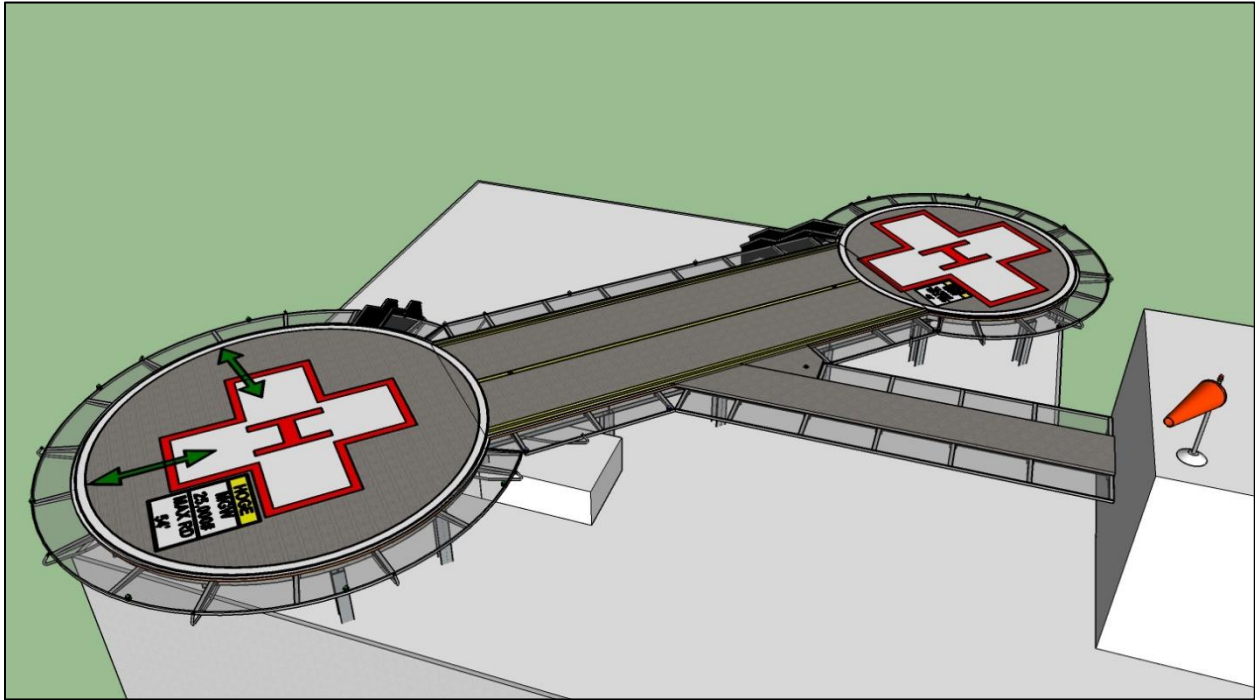


## CONCEPTUAL EAST WING OVERLAY:



# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

## CONCEPTUAL DESIGN



### WINDSOCK PLACEMENT

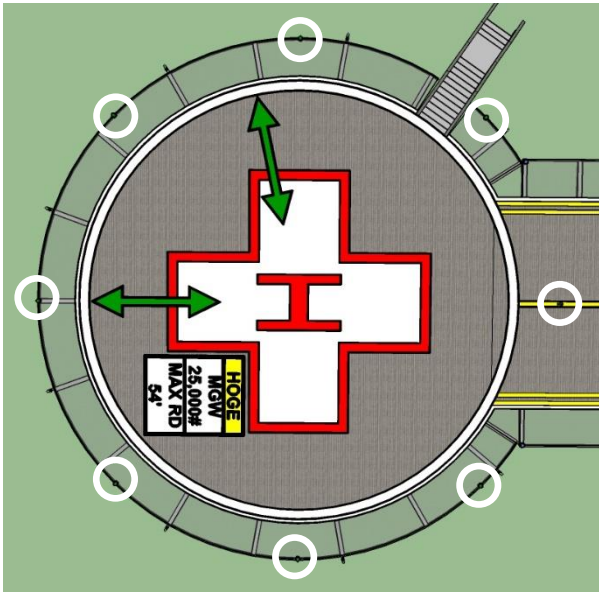
Primary windsock to be located on top of elevator tower. Secondary windsock placement yet to be determined.



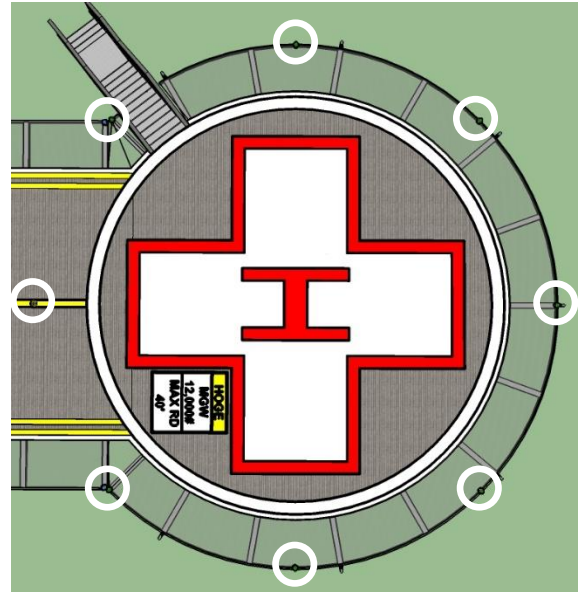
ADB WC 807  
LED Internally Lit  
Wind Cone

# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

## Heliport Lighting Arrangement

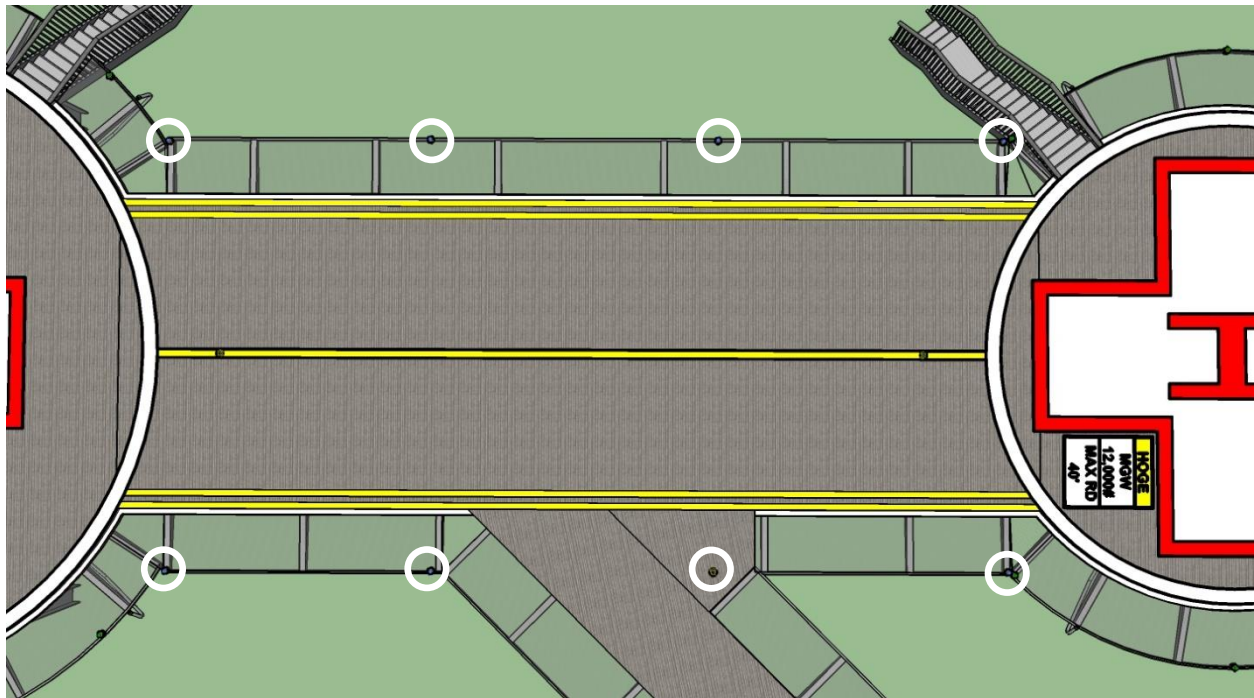


Primary TLOF Perimeter  
Lighting Layout



Secondary TLOF Perimeter  
Lighting Layout

### Taxiway Lighting



# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

## Heliport Lighting

ADB LED Elevated  
Heliport Perimeter Light  
EHP-L



*Installed on perimeter safety net*

ADB LED In-pavement  
Utility & Heliport  
Perimeter Light  
IUL-L



*Used in concrete taxiway 1 each*

## Taxiway Lighting

L-861T Elevated Taxiway  
Edge LED (ETES) Light



*Installed on perimeter safety net*

## Obstruction Lighting

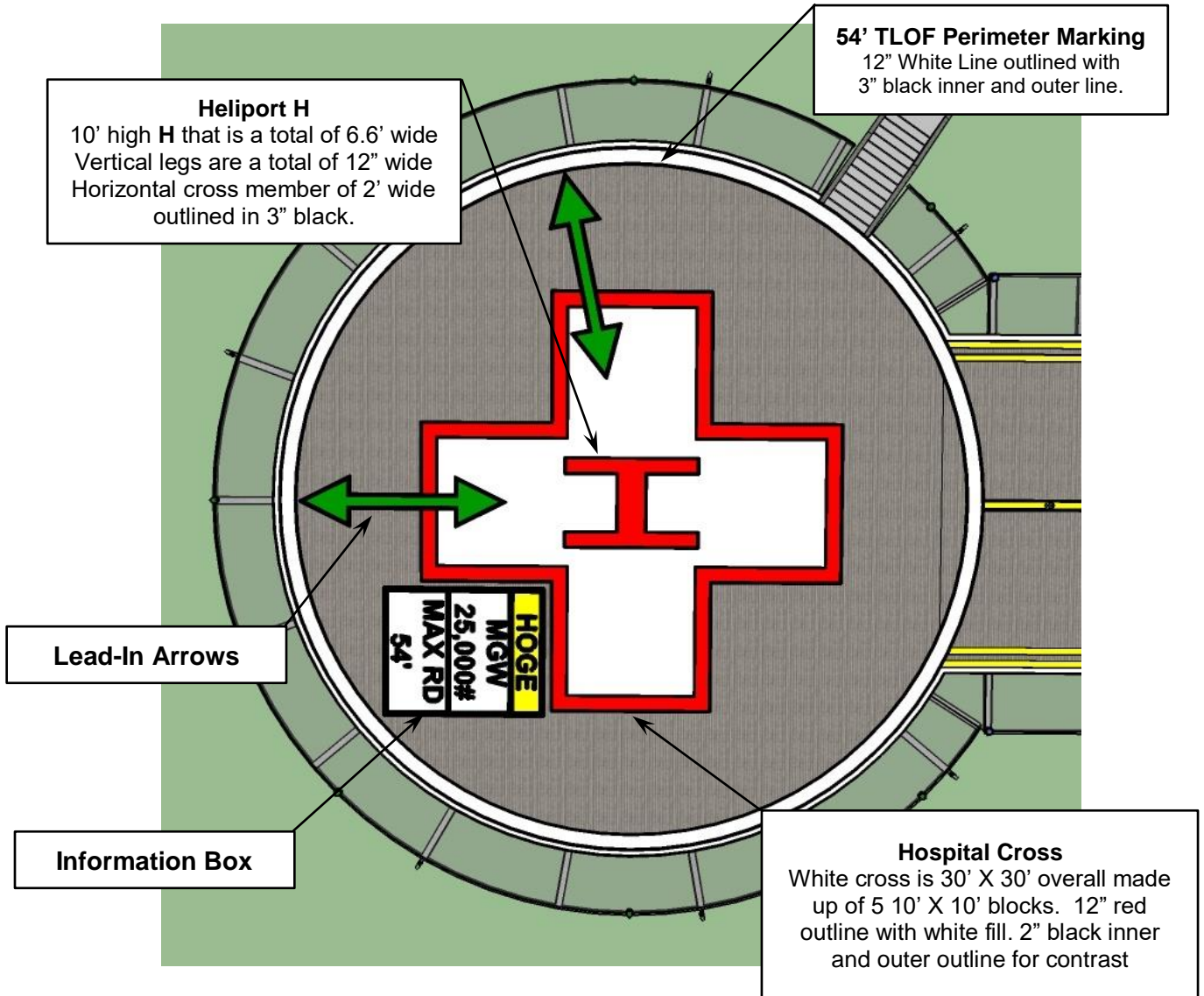
ADB LED LED Steady  
Burning Obstruction Light  
L-810(L)



*Installed on all applicable obstructions*

# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

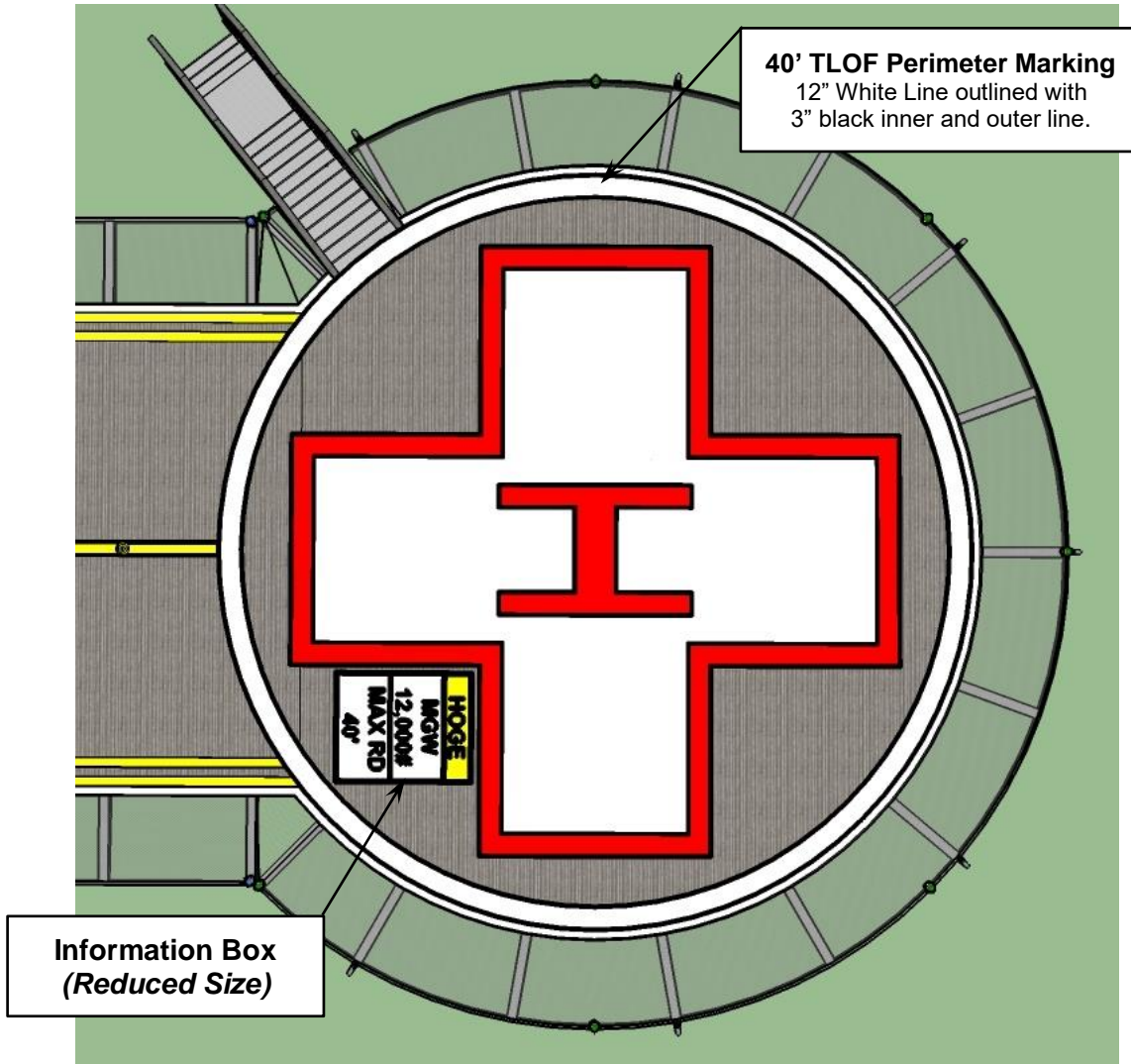
## Primary Heliport Markings





# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

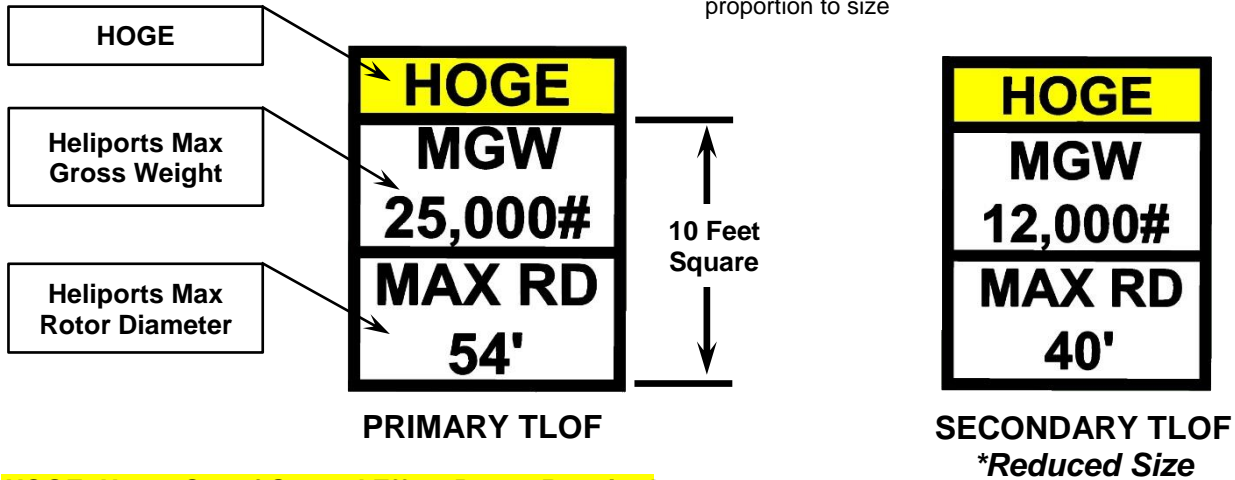
## Secondary Heliport Markings



# Maine Medical Center, Portland, ME / FAA 7480 Heliport Packet

## HELIPORT INFORMATION BOX

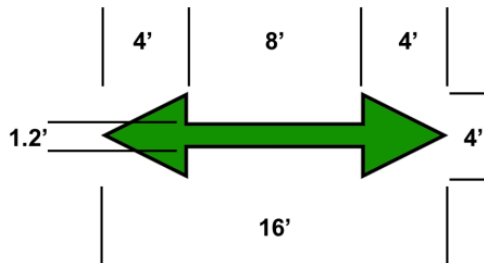
Heliport Information Box  
18" High Letters and Numbers  
5" Vertical Stroke with rest in  
proportion to size



**HOGE: Hover Out of Ground Effect Power Required**

## LEAD-IN ARROWS

Green Lead-In Arrows  
Outlined in 2" black



## TAXIWAY MARKINGS

