

State Aviation Board Meeting
May 12, 2015

Tall Tower Program

OREGON DEPARTMENT OF AVIATION

OAR 738 DIVISION 70

PHYSICAL HAZARDS TO AIR NAVIGATION

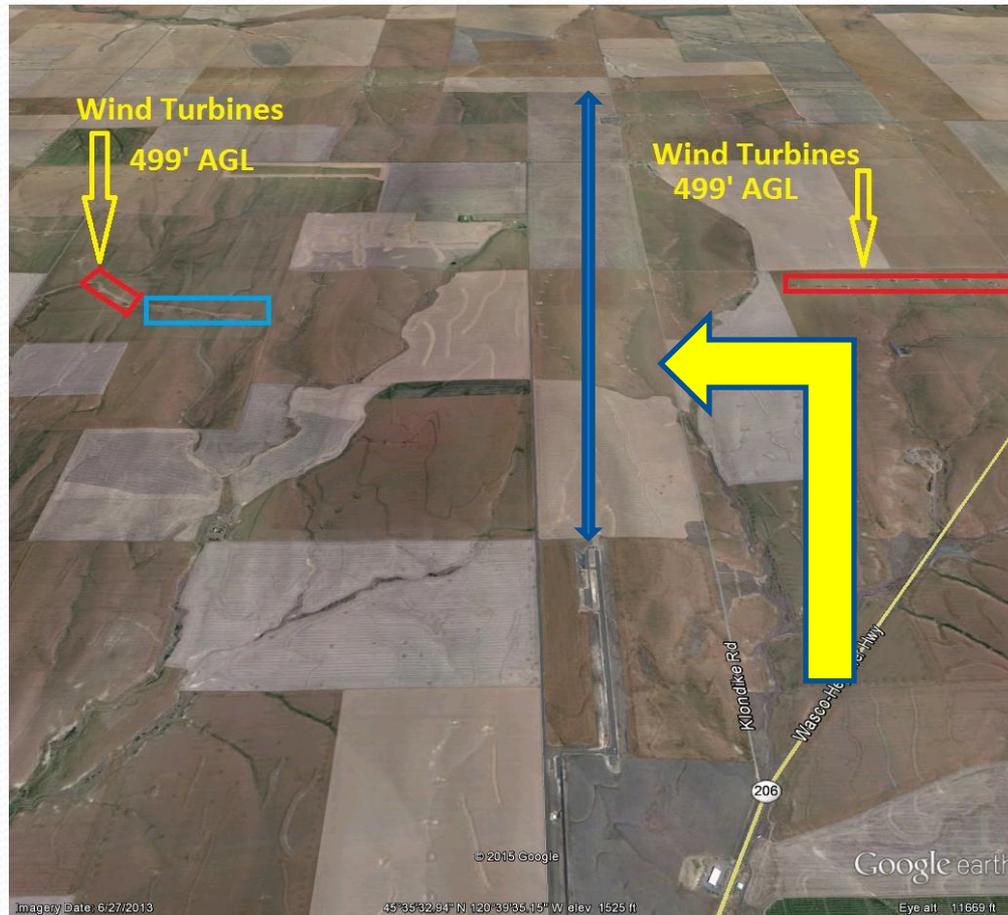
OAR 738-070-0010

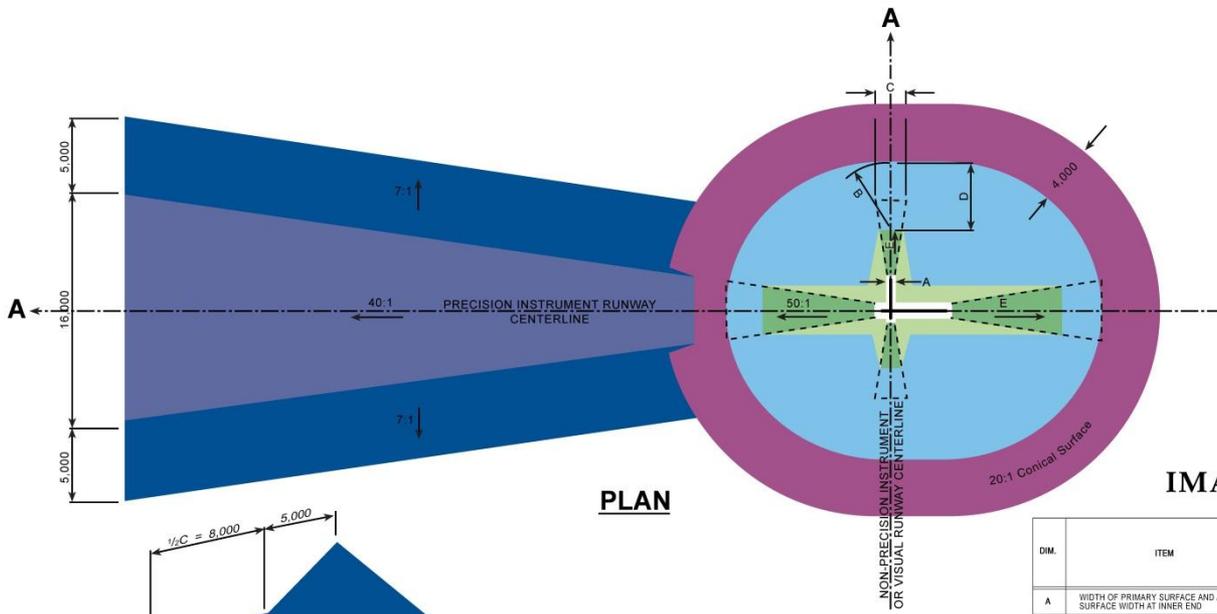
- General Information
- This authorizes the Director of the Department to adopt rules defining physical hazards to air navigation within Oregon and determine whether specific types or classes of objects or structures constitute hazards. It further authorizes the establishment of standards for lighting or marking objects or structures that constitute hazards to air navigation in this state.

OAR 738-070-0060

- Notice of Construction or Alteration
- (1) This rule requires each person proposing any kind of construction or alteration described in OAR 738-070-0070 to give adequate notice to the Director. It specifies the locations and dimensions of the construction or alteration for which notice is required and prescribes the form and manner of the notice.

Wasco State Airport (35S)



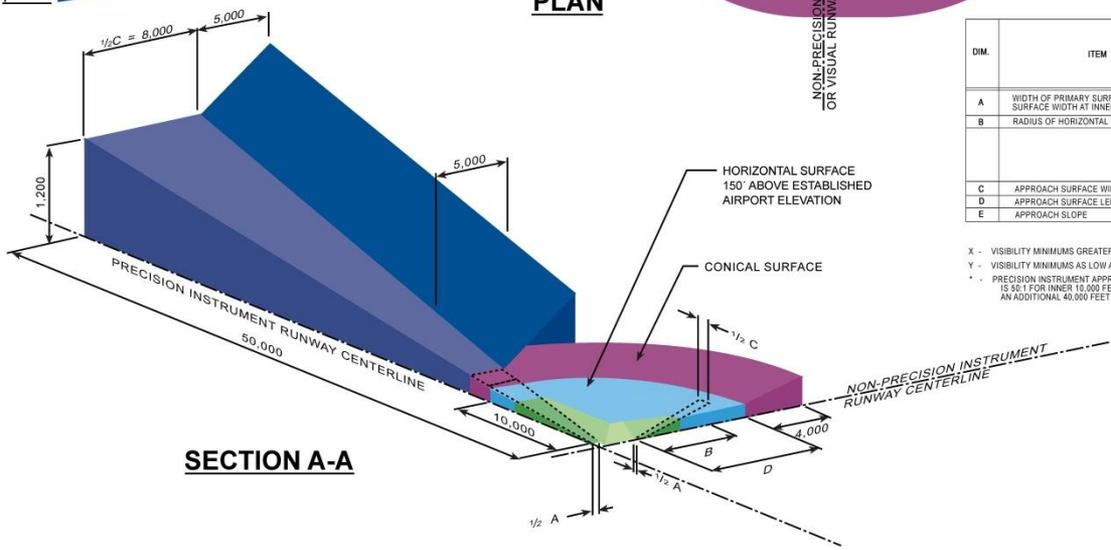


SURFACE SLOPE KEY

■	HORIZONTAL SURFACE
■	20:1
■	7:1
■	7:1
■	VARIES (SEE "E" VALUE IN TABLE BELOW)
■	40:1 (PRECISION INSTRUMENT RUNWAY ONLY)

CIVIL AIRPORT IMAGINARY SURFACES

PLAN



SECTION A-A

DIM.	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY		PRECISION INSTRUMENT RUNWAY	
		UTILITY	LARGER THAN UTILITY	UTILITY	LARGER THAN UTILITY		
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
C	APPROACH SURFACE WIDTH AT END	VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH		PRECISION INSTRUMENT APPROACH	
		UTILITY	LARGER THAN UTILITY	UTILITY	LARGER THAN UTILITY		
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*

X - VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
 Y - VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
 * - PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET

ODA Tall Tower Applications

Applications consist of Antenna Tower, Buildings, Power lines and poles, vessels, wind turbines and JDC LNG.

I took over the Tall Tower Program in 2013 since then ODA has evaluated in:

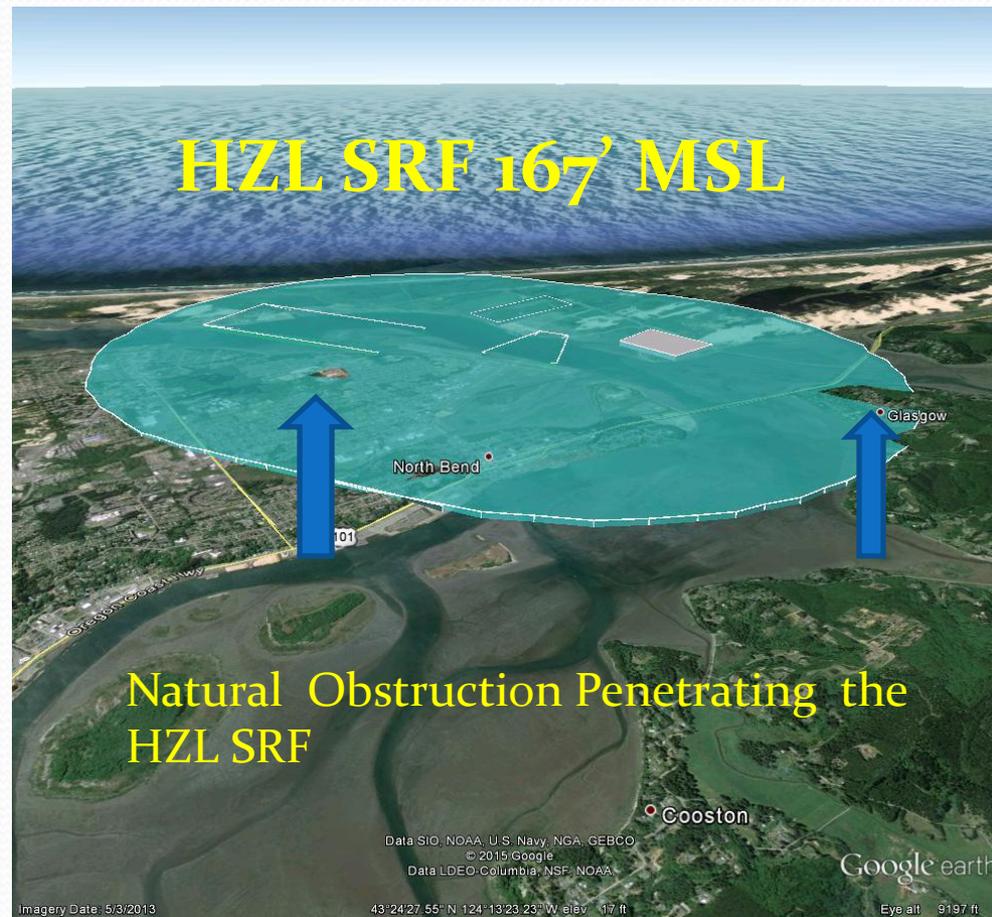
- 2013 335 applications
- 2014 370 applications
- 2015 115 applications as of today

At no cost to the companies requesting determinations.

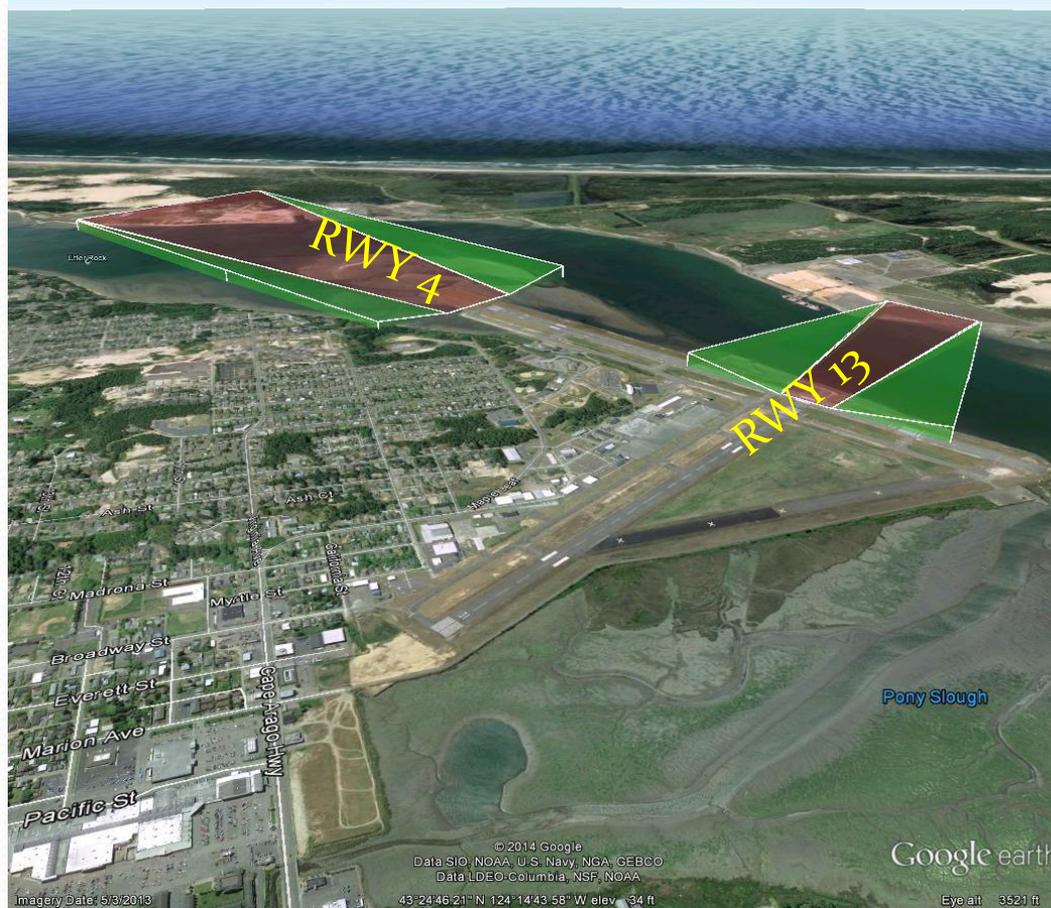
Southwest Oregon Regional Airport



OTH Horizontal Surface



RPZ FOR RWY 4 AND RWY 13



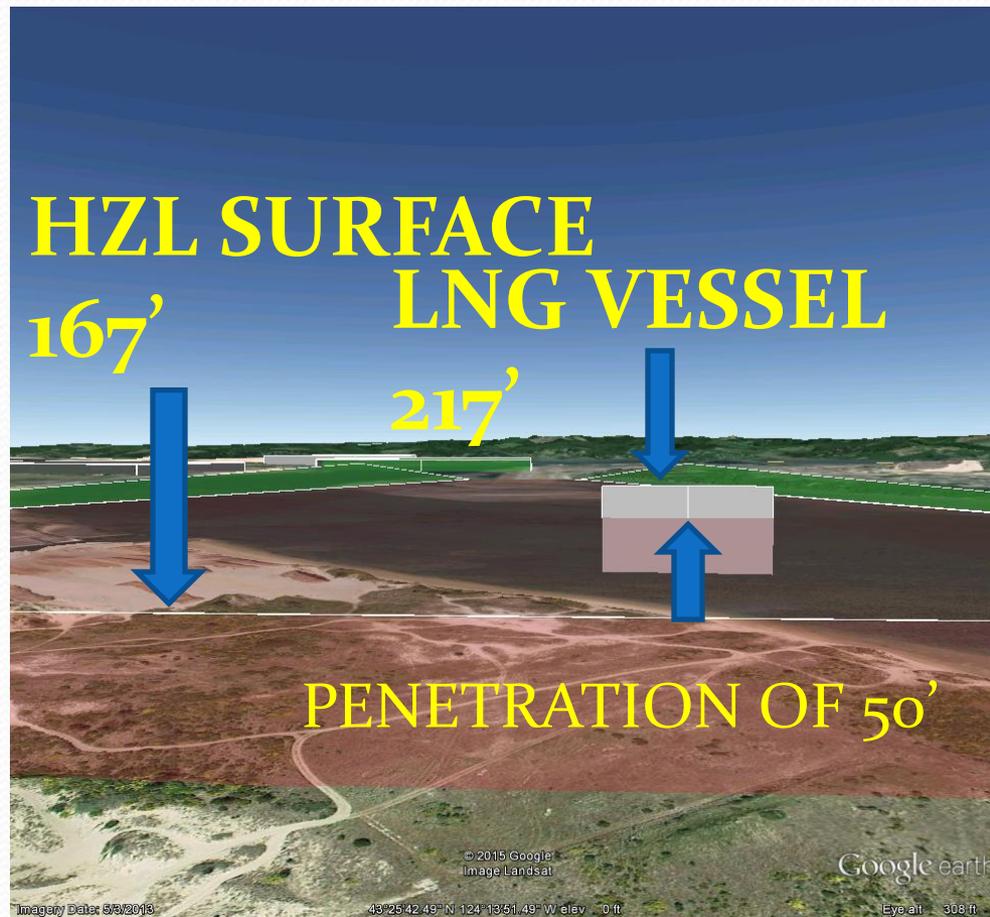
RWY 13 LNG TANKS AND ENGERGY PLANT



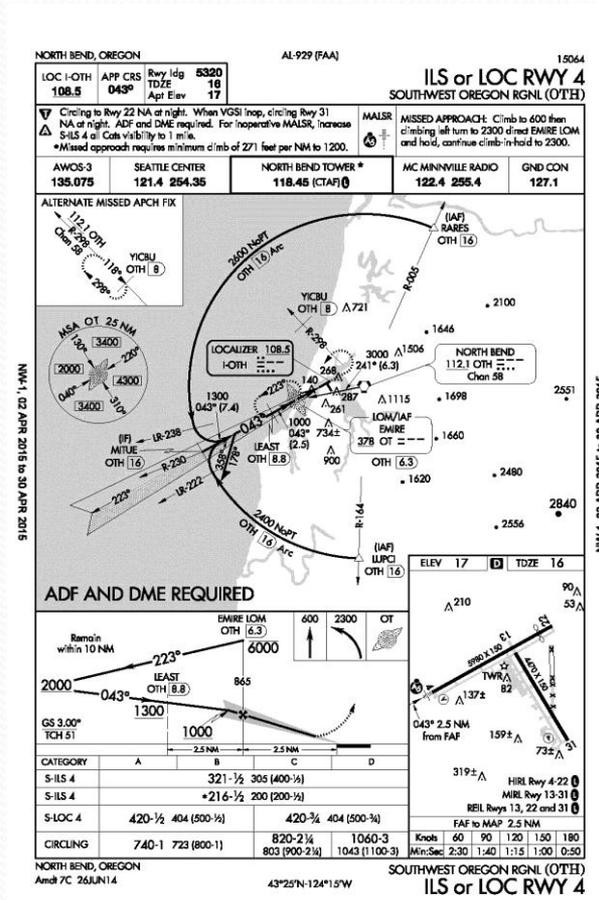
OTH APPROACH TO RWY 04



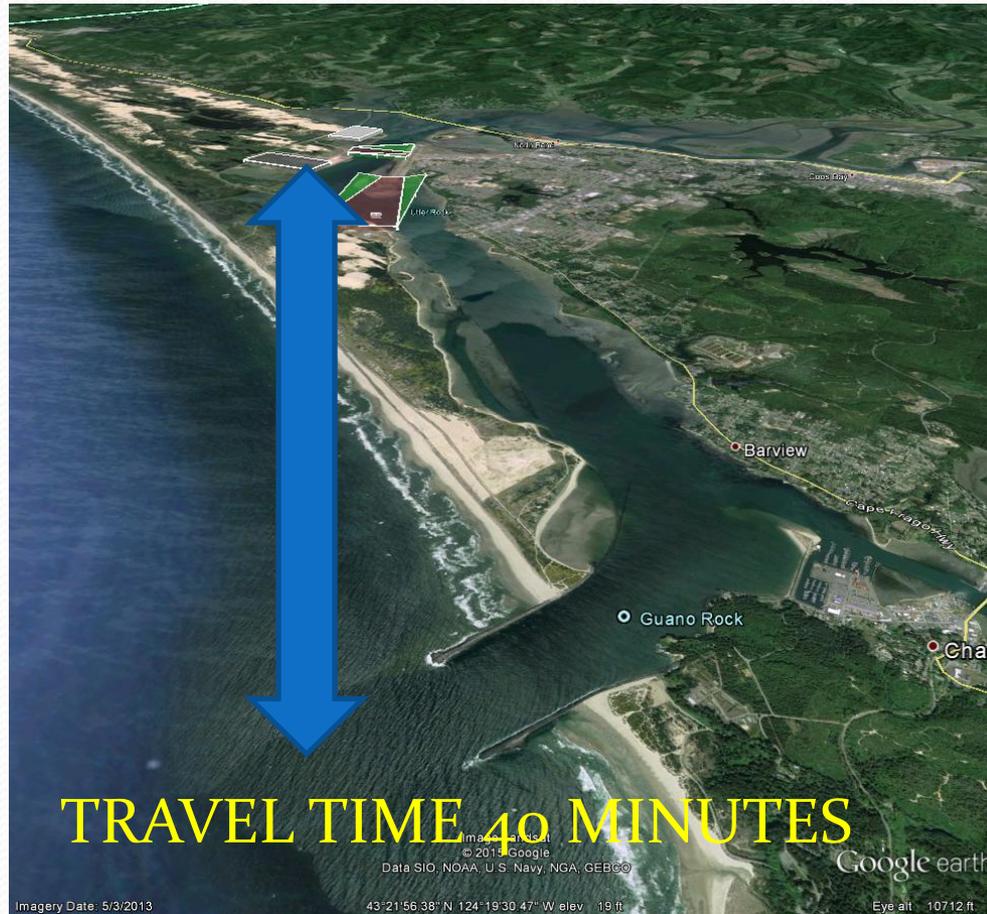
OTH RWY 4 LNG VESSEL 217'



OTH RWY 4 ILS



MOUTH OF THE COOS RIVER



RWY 4 ILS CRITICAL AREA



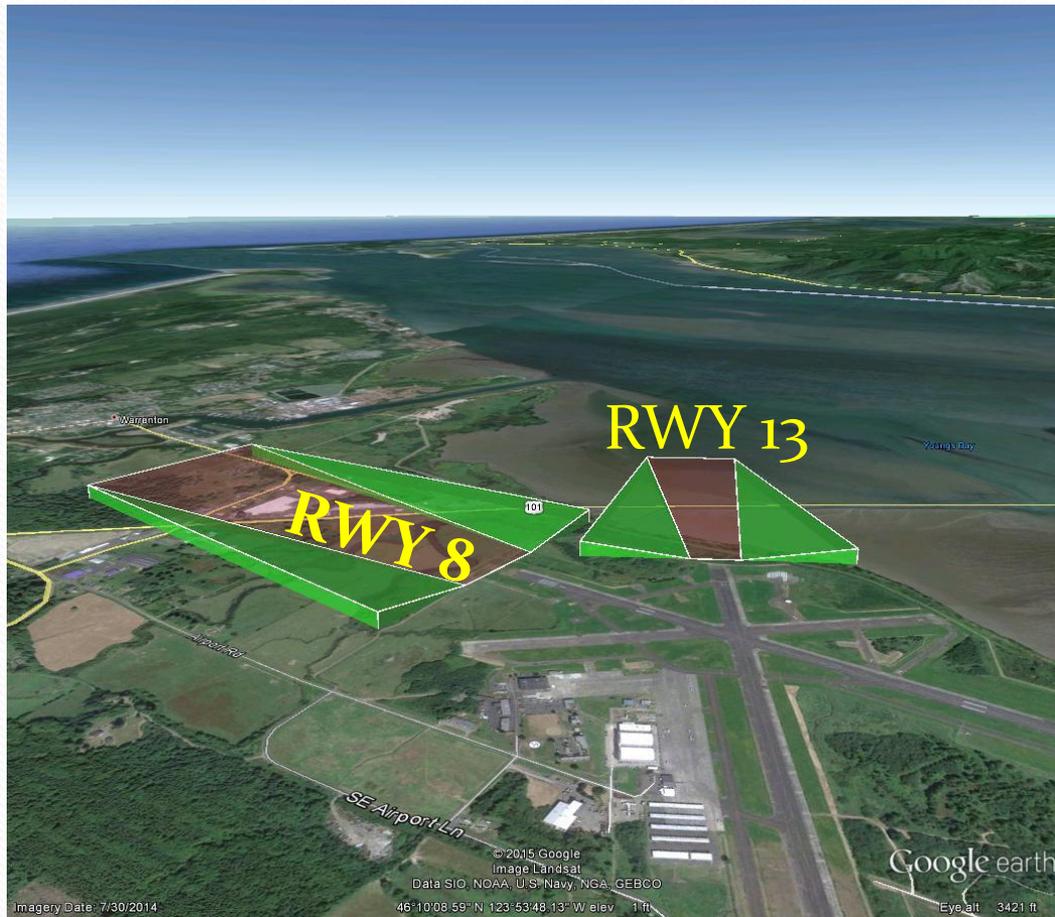
CURRENT ISSUES

- Developing a procedure when vessel traversing the ILS Critical Area
- Increase Rwy 4 ILS to 391' or 398' DH
- Proposing using a vessel that isn't as tall, 156'
- Current Obstruction height for ILS 4 is the river at 140' MSL

ASTORIA REGIONAL AIRPORT (AST)



RWY RPZ FOR AST RWY 8 & 13



OR LNG TANKS AND VESSEL





QUESTIONS????