

Technical Advisory Committee Meeting #3

NIRGEN

Aviation Planning Group

December 16, 2021



### Introductions

Leah Whitfield Project Manager

**Darren Murata, P.E.** Lead Engineer

**Renee Dowlin** Environmental Planner

# AIRPORT Airport Master Plan Update

### Participation

We will mute all participants during the presentation.

If you have a comment or question you can:

- Use the "Raise Hand" button under "Participants"
- Or under "Reactions"
- Type a comment in the chat box

| ~  |          | Participants (  | 3)         |          |
|----|----------|-----------------|------------|----------|
| JH | Justin H | Ŷ               | <b>1</b>   |          |
|    | Leah W   | hitfield (Host) | Ŷ          | □1       |
| H  | Haseeb   | Mirza           | ÷          | <b>1</b> |
|    |          |                 |            |          |
|    |          |                 |            |          |
|    |          |                 |            |          |
|    |          |                 |            |          |
|    |          |                 |            |          |
| Ir | nvite    | Mute Me         | Raise Hand |          |
| ~  |          | Chat            |            |          |





- **1.** Master Plan Focus Area & Goals
- **2.** Master Plan Schedule
- **3. Project Progress**
- **4.** Facility Requirements
- **5.** Alternatives Review & Discussion
- 5. Next Steps

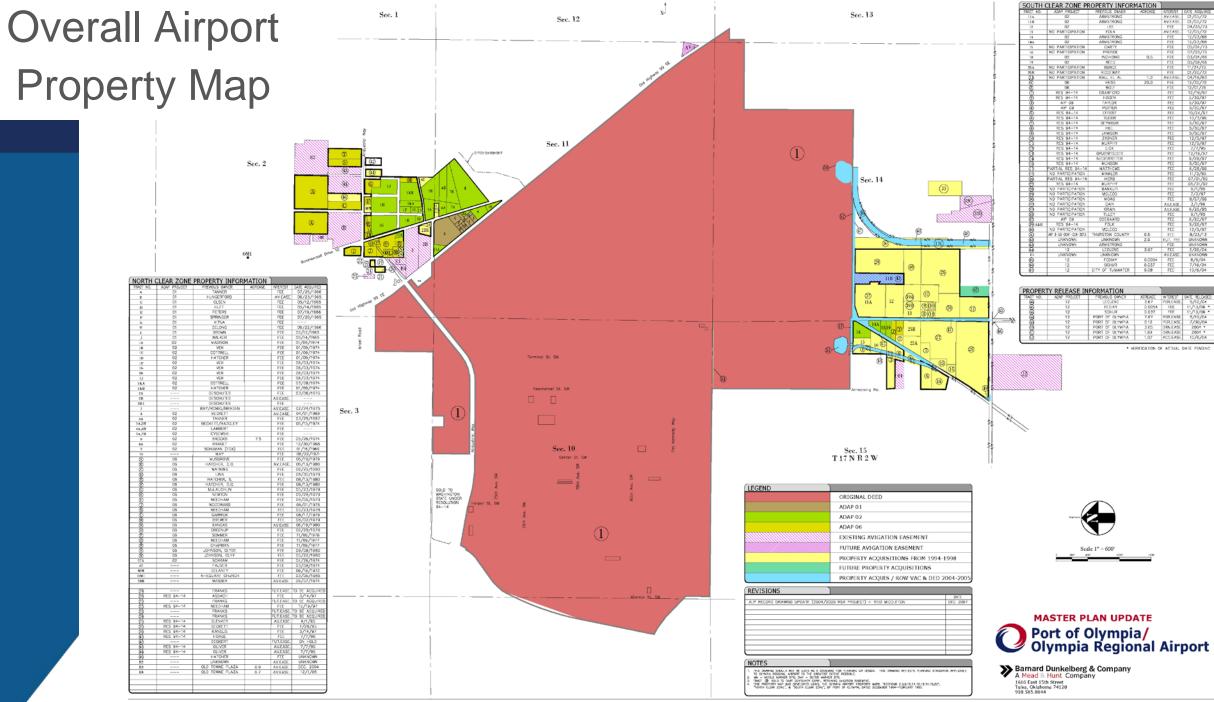
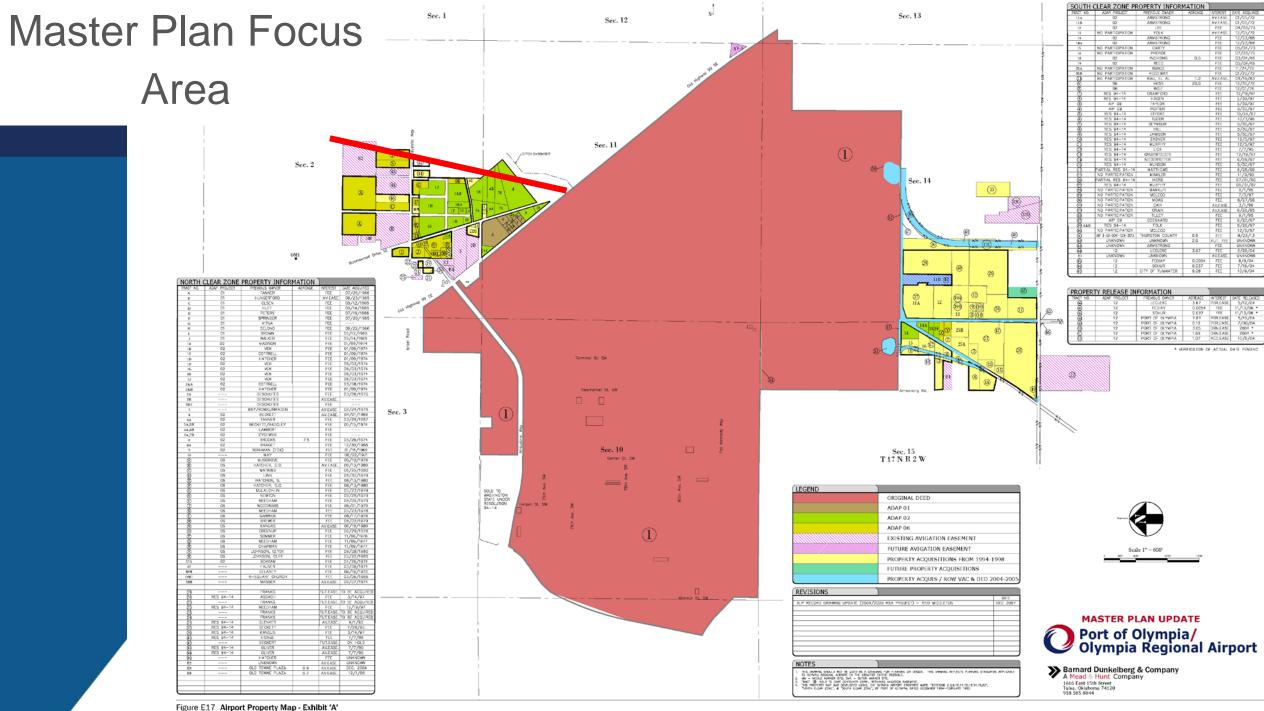
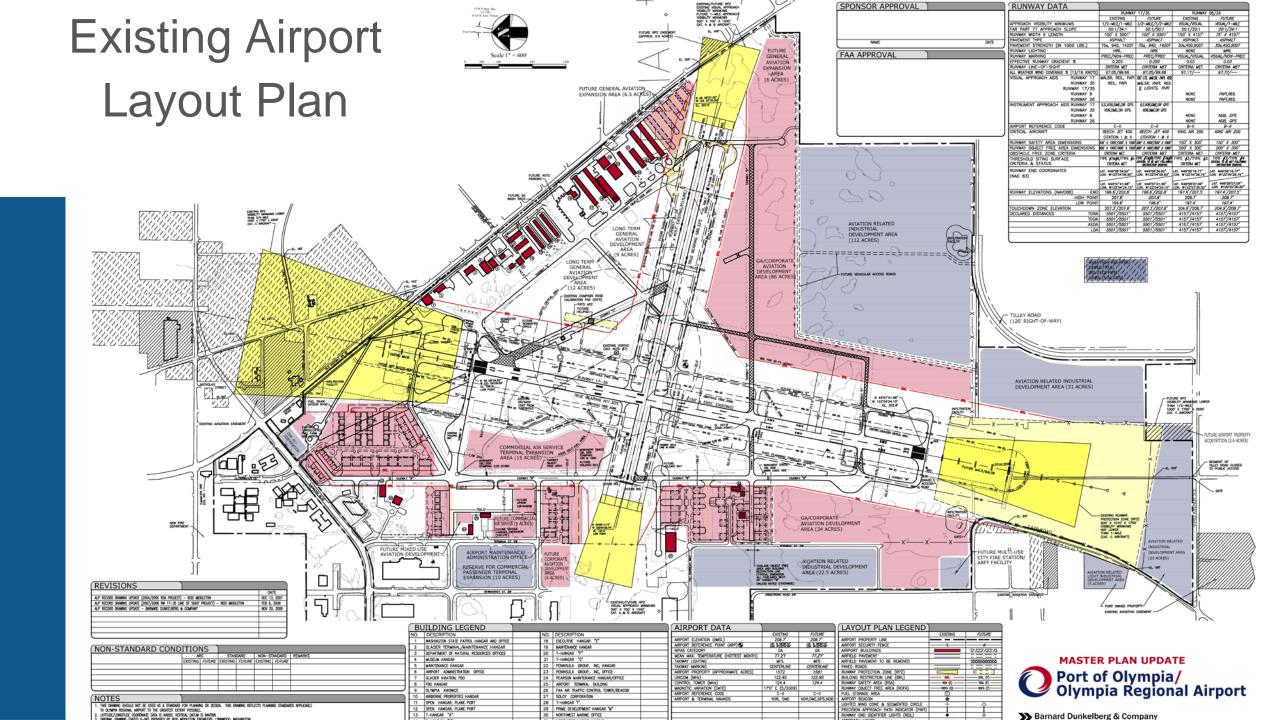


Figure E17 Airport Property Map - Exhibit 'A'





# AIRPORT Airport Master Plan Update



- Meet Aviation Demand
- Meet FAA design standards
- Prepare OLM for future development
- Prepare OLM for emerging aviation technologies
- Continued Airport self-sufficiency



### Airport Master Plan Update SCHEDULE (Draft)



Public Open House

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### **Project Update**

- Completed
  - Inventory
  - Forecast Approved by FAA
  - Facility Requirements
- Current focus areas
  - Coordination with the HCP Team
  - Alternatives
  - Airport Layout Plan
- Future Focus Areas
  - Implementation
  - Part 139 Commercial Service Feasibility Study

### Facility Requirements

- Meet based and transient aircraft demand
- Correct taxiway design to meet standards
- Maintain crosswind runway for smaller
  aircraft
- Terminal building
- Airport maintenance building
- Fuel storage expansion
- Integration of emerging trends

### **Alternatives**







- Runways
- Taxiways
- Development Areas
- Bio Fuels
- Electric Aviation

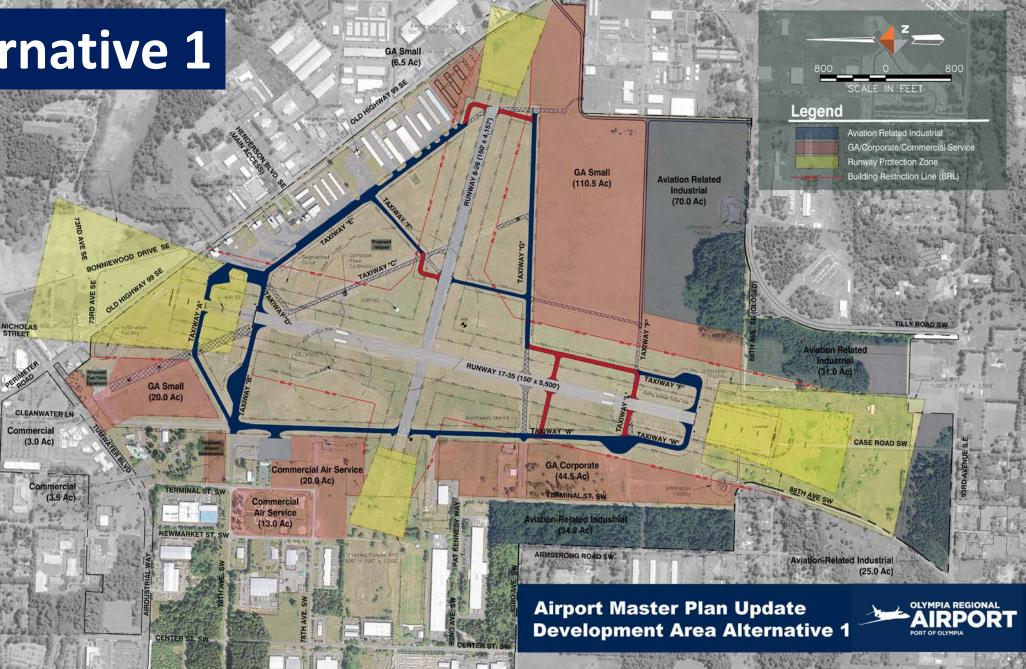


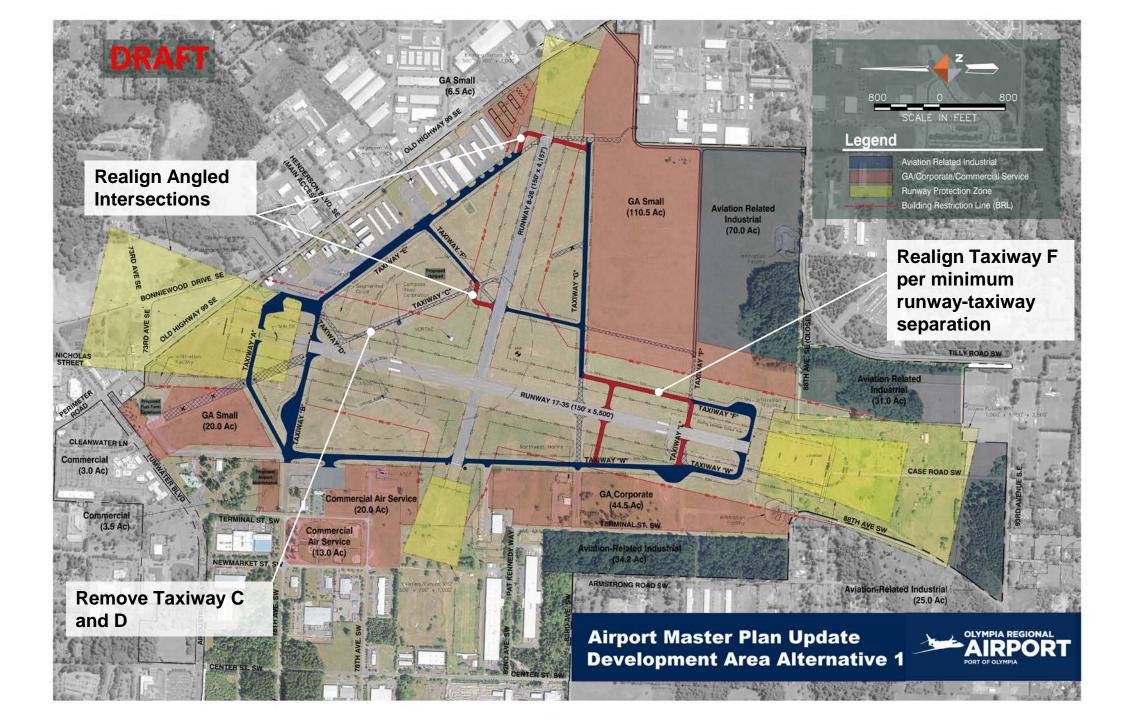
#### High Level Discussion Evaluation Criteria

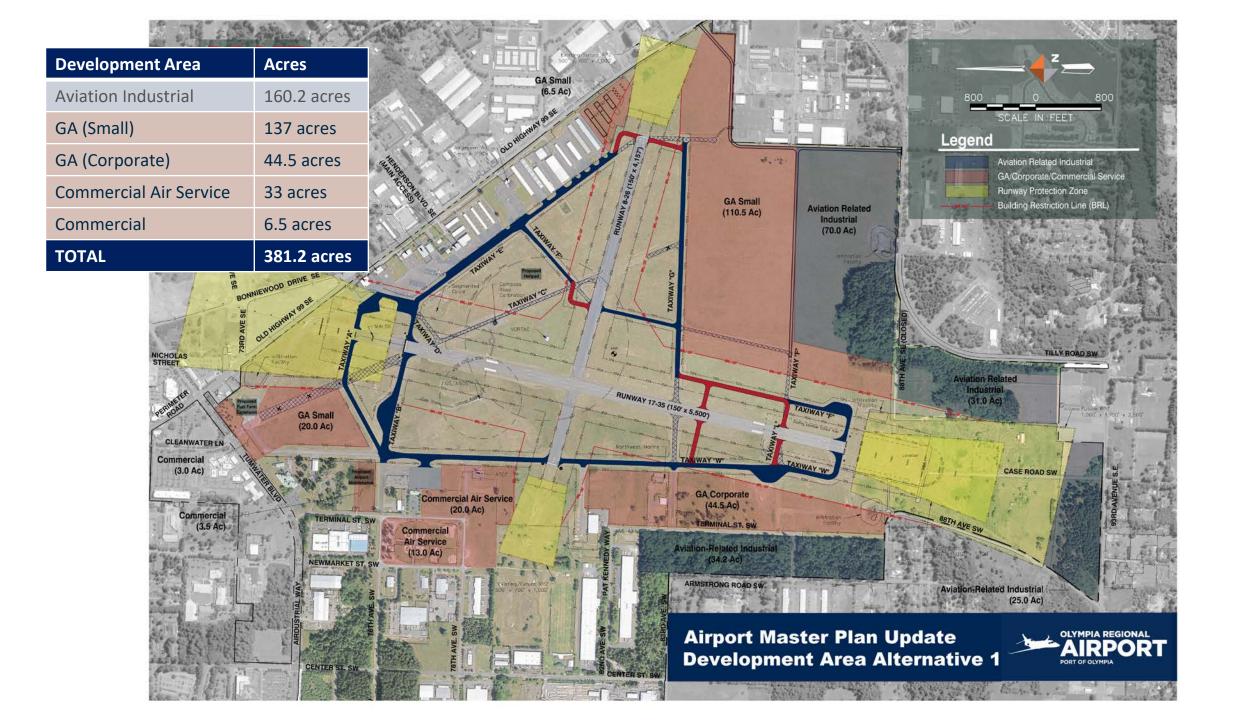
|                             | Rating |
|-----------------------------|--------|
| Strongly Meets/Less Impacts | +++    |
| Mostly Meets/More Impacts   | ++     |
| Greater Impacts             | +      |

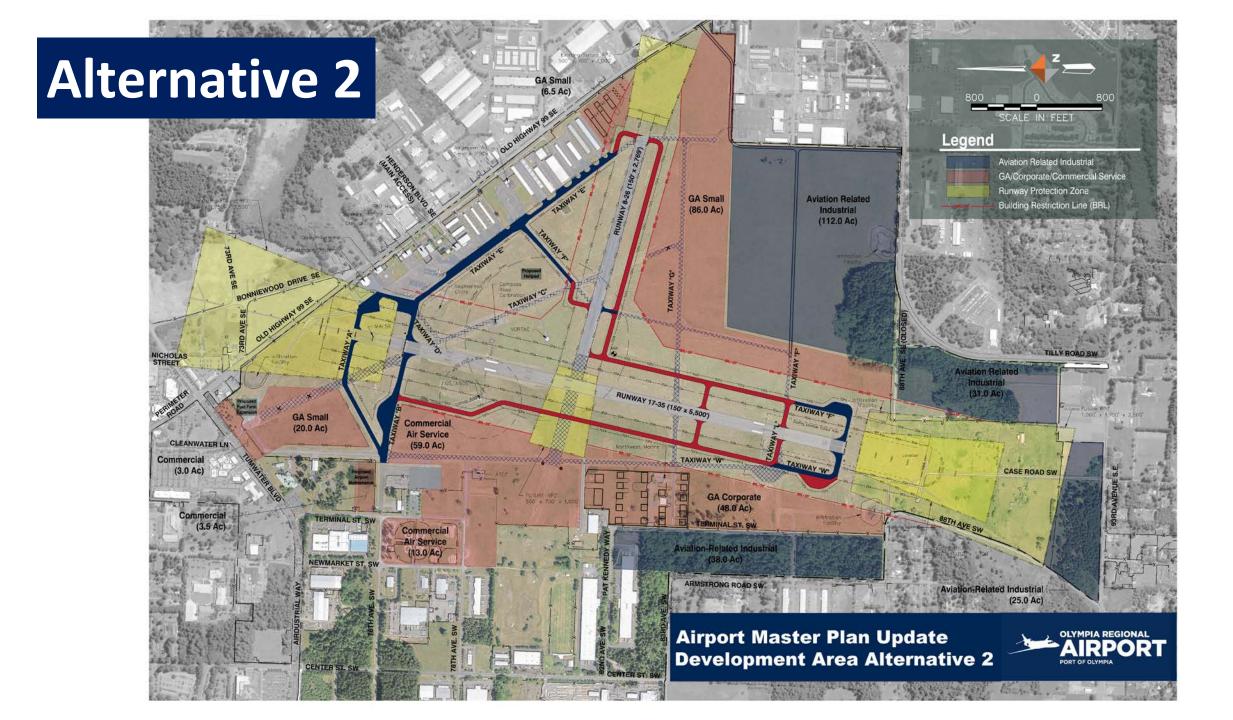
|               | Satisfies Facility<br>Requirements | Available<br>Developable<br>Land | Operational<br>and Airspace | Environmental | Roadways |
|---------------|------------------------------------|----------------------------------|-----------------------------|---------------|----------|
| Alternative 1 |                                    |                                  |                             |               |          |
| Alternative 2 |                                    |                                  |                             |               |          |
| Alternative 3 |                                    |                                  |                             |               |          |

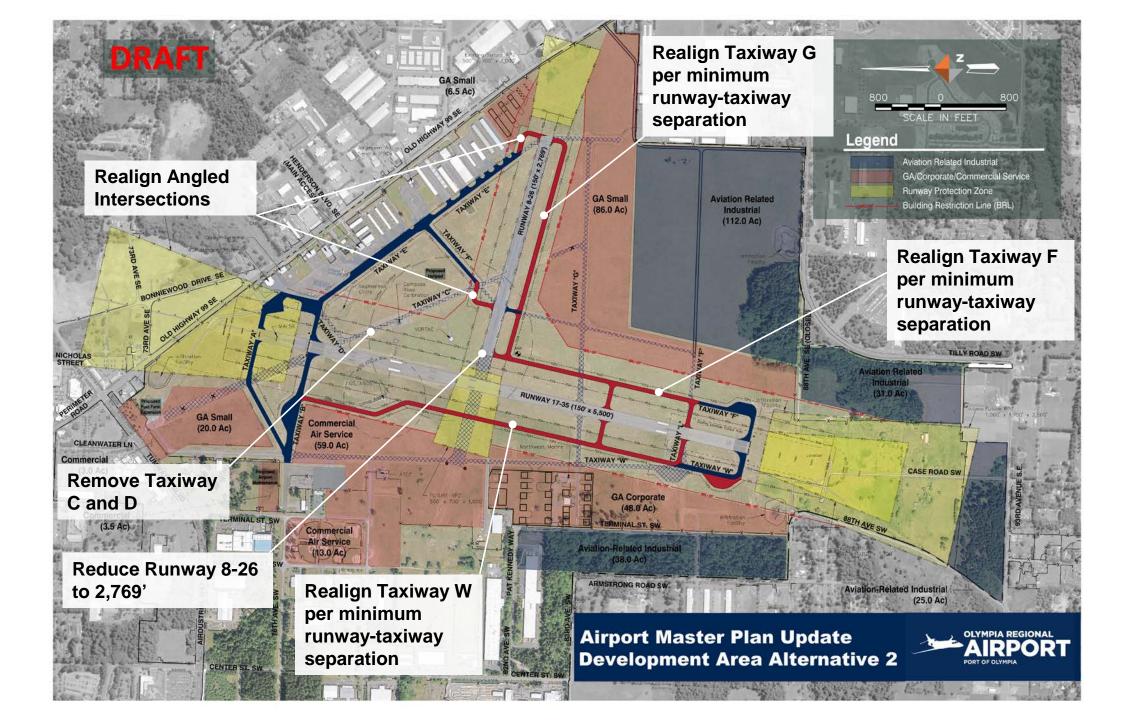


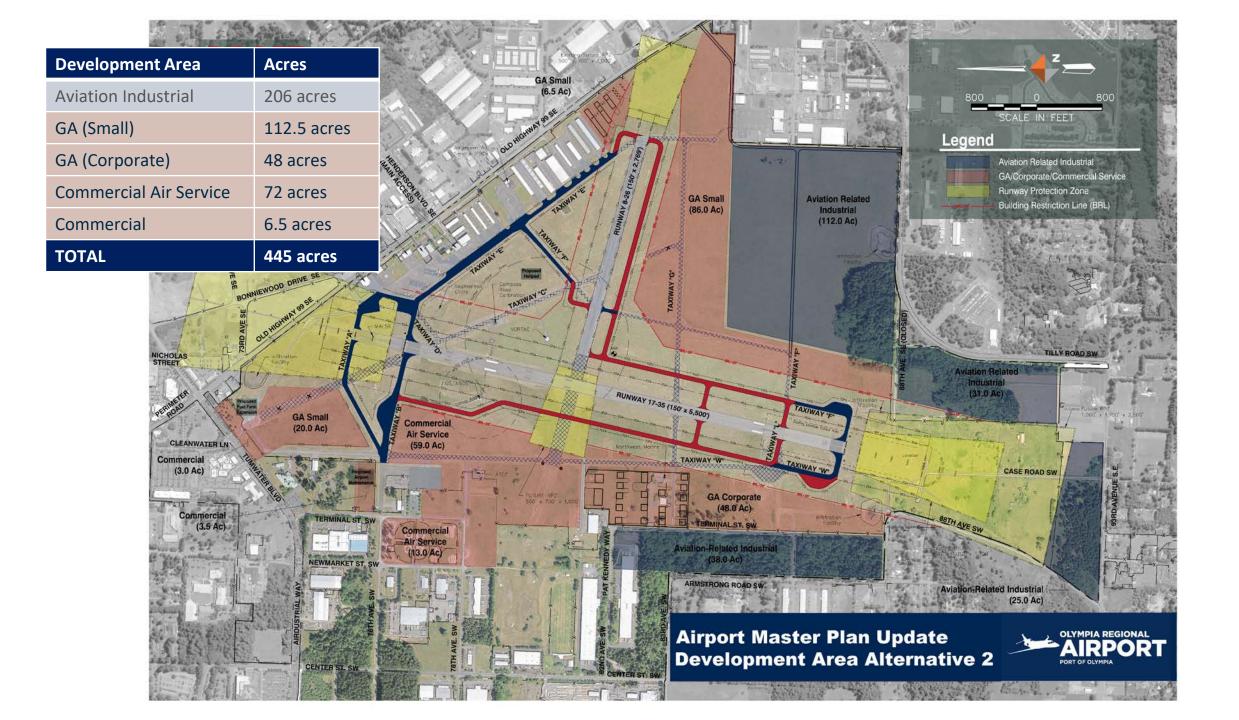






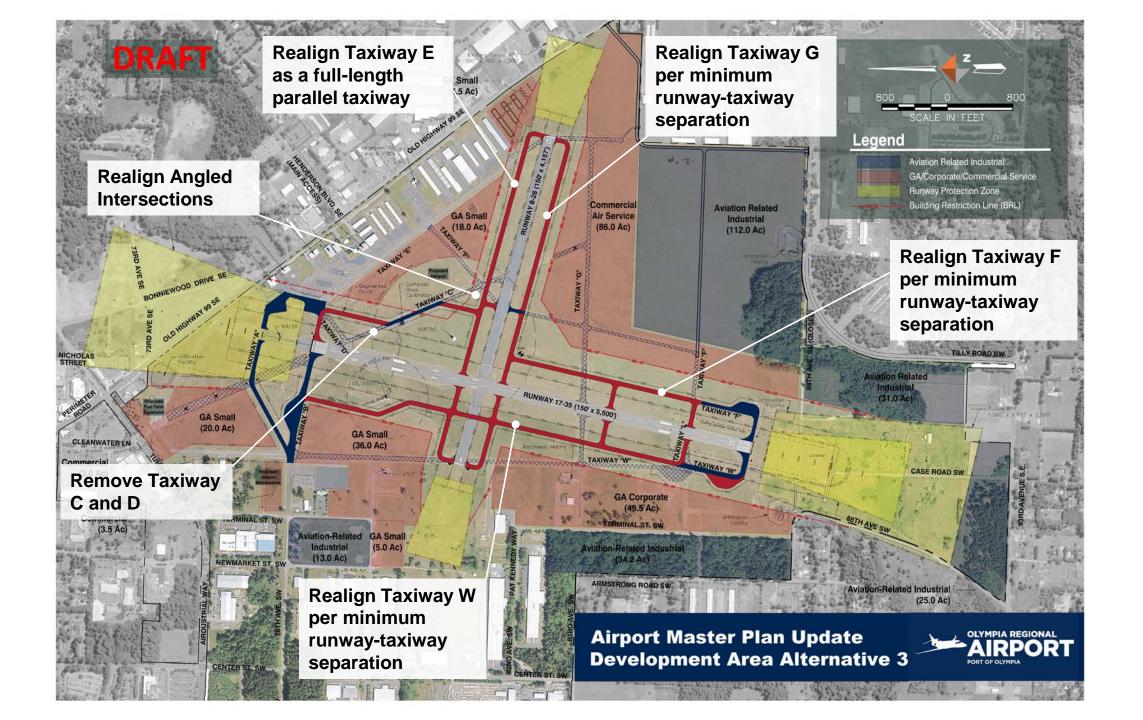


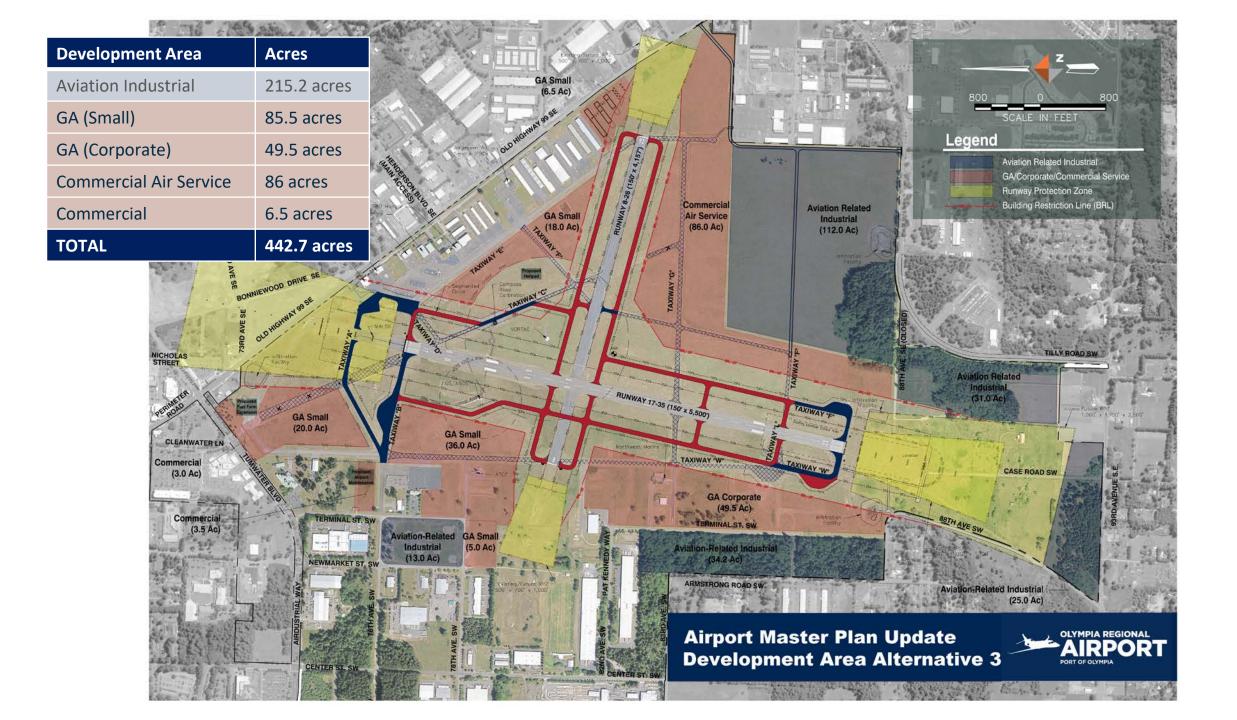




## **Alternative 3**









Summary of Developable Land

| Development Area       | Alternative 1 | Alternative 2 | Alternative 3 |
|------------------------|---------------|---------------|---------------|
| Aviation Industrial    | 160.2 acres   | 206 acres     | 215.2 acres   |
| GA (Small)             | 137 acres     | 112.5 acres   | 85.5 acres    |
| GA (Corporate)         | 44.5 acres    | 48 acres      | 49.5 acres    |
| Commercial Air Service | 33 acres      | 72 acres      | 86 acres      |
| Commercial             | 6.5 acres     | 6.5 acres     | 6.5 acres     |
| TOTAL                  | 381.2 acres   | 445 acres     | 442.7 acres   |



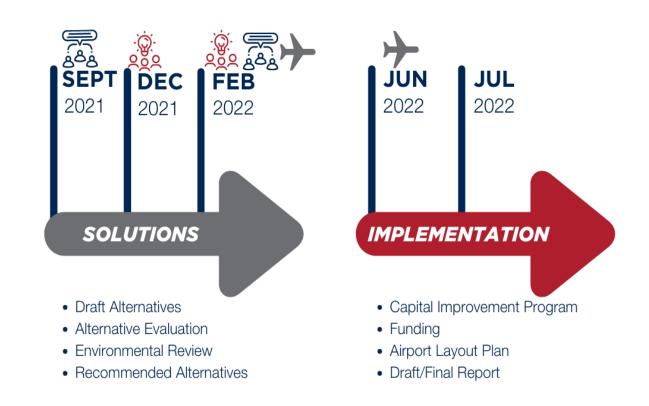
### **Group Discussion Evaluation**

|                             | Rating |
|-----------------------------|--------|
| Strongly Meets/Less Impacts | +++    |
| Mostly Meets/More Impacts   | ++     |
| Greater Impacts             | +      |

|               | Satisfies Facility<br>Requirements | Available<br>Developable<br>Land | Operational<br>and Airspace | Environmental | Roadways |
|---------------|------------------------------------|----------------------------------|-----------------------------|---------------|----------|
| Alternative 1 | ++                                 | ++                               | ++                          | ++            | +++      |
| Alternative 2 | +++                                | +++                              | +++                         | ++            | ++       |
| Alternative 3 | +++                                | +++                              | +++                         | +             | +        |



### **Next Steps**





### Thank you

### Any Comments or Questions?

**Contact:** 

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Aviation Forecast



• 15,000 additional operations per year