Dream Chaser Landing Update Huntsville International Airport

Dream Chaser Update

- Runway Testing Completed
- Began FAA Licensing Process
- HSV has the goal of becoming the first commercial service airport to land a vehicle from space.

Why Huntsville International Airport ?

- Huntsville International Airport (HSV) has the infrastructure in place to support the landings
- Huntsville has a long history of working in the space and payload industry
- Strong NASA Marshall Space Flight Center and Contractor work force
- Established relationships with the Payload Developer community
- Speed to Market

Partnerships

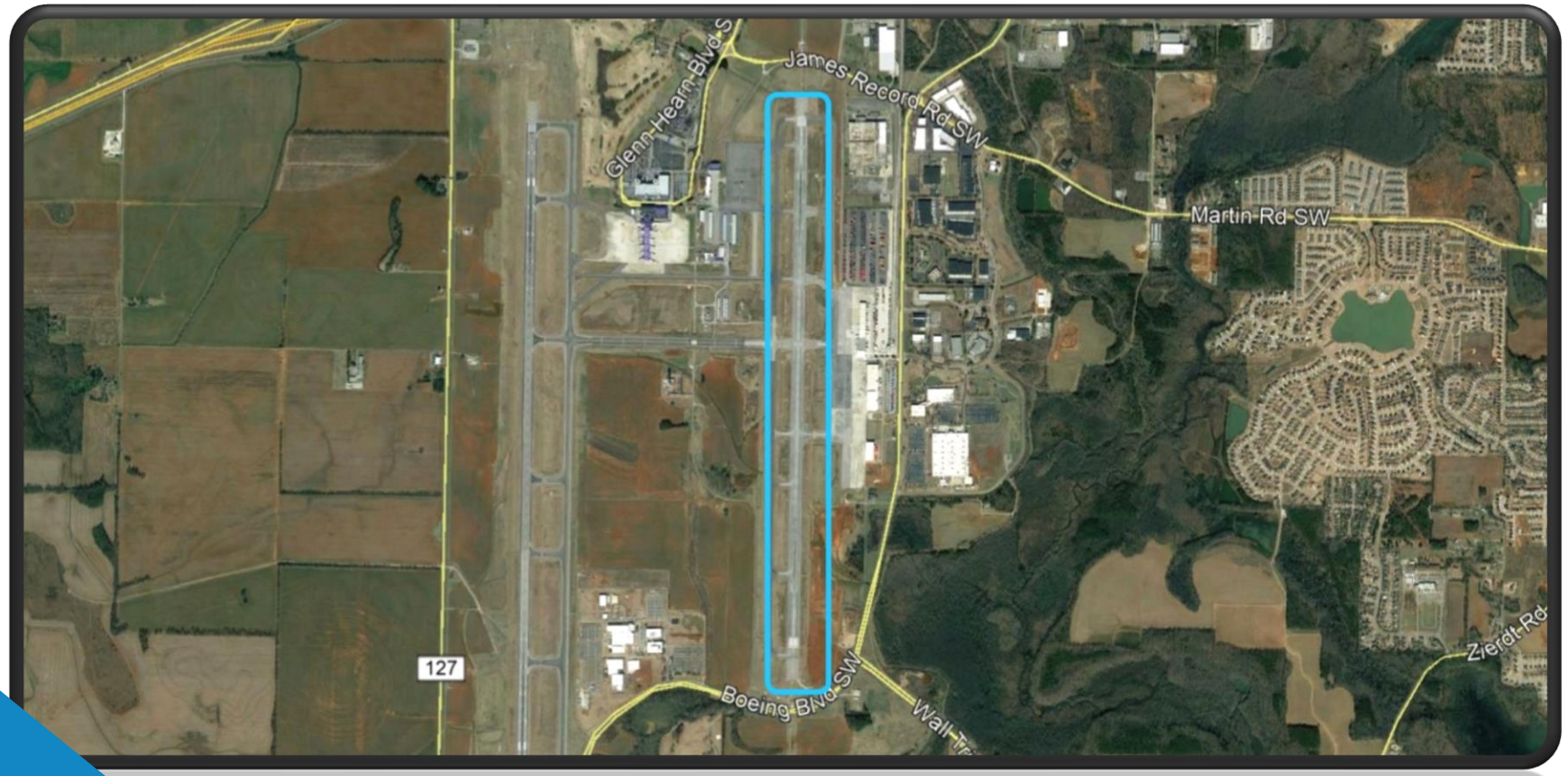
- HMCAA
- Chamber of Commerce of Huntsville/Madison County
- City of Huntsville
- City of Madison
- Madison County Commission
- Military Stability Foundation
- State of Alabama
- University of Alabama in Huntsville

Dream Chaser Timeline

- 2015 – Established technical feasibility of reentry site operations of Dream Chaser at HSV, Phase I
- 2017 - HSV Airport awarded the Phase 2 Contract (Analysis required for License to Operate a Reentry Site and DreamChaser Vehicle License) to Teledyne Brown Engineering (TBE)
- 2018 – Space Authority Support Resolution
- Nov 2021 – Public comment period (12NOV-22DEC) open for the Draft Environmental Assessment
- Nov 2021 – Part 433 Reentry Site Operation License application submitted to FAA by HSV
- March 2022 – Sierra Space submits 450 Vehicle Operator License Application to the FAA
- May 14, 2022 – License Determination by FAA for the Site Operator License (HSV)
- 2024 – Potential Sierra Space NASA commercial resupply service (CRS) mission
- 5 Years, license renewable upon application

Proposed Reentry Runway 18L-36R

- A NOTAM will be issued for each reentry opportunity.
- Runway 18L-36R would remain closed for up to 10 hours or until the Dream Chaser is unloaded and in safe condition. HSV Operations would inspect the runway prior to returning to normal aircraft operations. Runway 18R-36L would be closed briefly.



Sonic Boom

Federal Aviation Administration

Sources: ESRI, 2020; RS&H, 2020

This figure is not to scale and is for graphic purposes only

Secure a Mission for HSV