

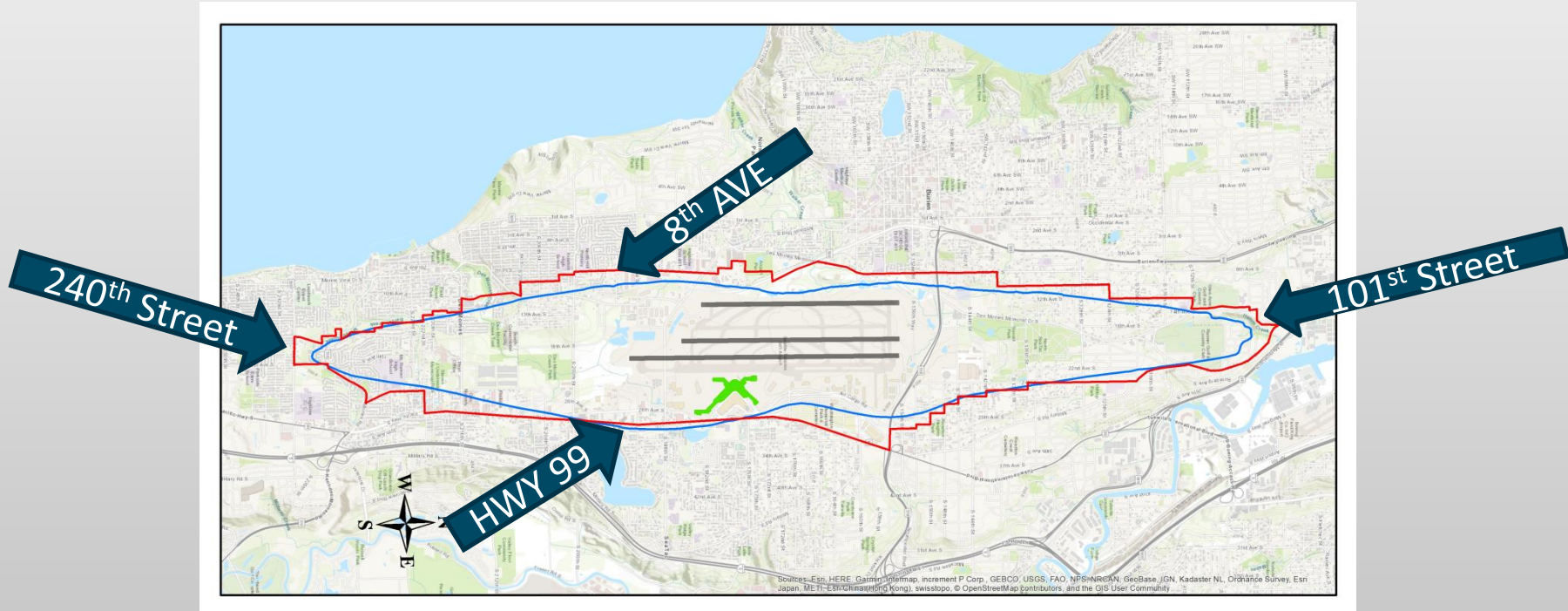
Sound Mitigation Briefing

StART

August 28, 2019

Noise Remedy Boundary

2018 Forecasted DNL 65 dB Contour



Sound Insulation

- No direct cost to the homeowners
- Port receives an “Avigation Easement” in exchange for the insulation
- Sound rated windows, doors, & ventilation



Sound insulation reduces interior noise levels to DNL 45 dB or less

Sound Insulation Requirements

- Homes have to be built prior to 1986 in Des Moines and 1987 in all other areas – Building codes met or exceeded FAA standards past these dates
- Homeowners are required to sign an aviation easement
- Homes must pass a noise audit to ensure that a DNL 45 dB interior noise level can be achieved with at least a 5 dB reduction



Sea-Tac Airport's History of Noise Mitigation

- Sound Insulation
 - Began in 1985
 - Approximately 9,400 homes have been completed
 - 8 Highline Schools completed (POS/FAA funding assistance)
 - 5 Condominium Complexes 246 units
 - 14 Buildings on the Highline College Campus
- Acquisition
 - 5 Mobile home parks, 359 mobile home units
 - 69 Homes north of the 3rd runway
 - 1,400 single family homes including 3rd runway acquisition

Approximately \$300 million spent on sound insulation / \$100 million on noise related acquisition

Single-Family Sound Insulation

- Continuation of Single Family Sound Insulation
 - Approximately 135 homes identified as potentially eligible
 - Extensive outreach to homeowners completed by certified mail in 2016
 - 48 applications received back
 - 7 homes did not qualify by year built
 - 41 homes sound tested – 34 qualified
 - 9 homes completed in 2019
 - 9 more homes starting in early September
 - 16 homes remain eligible and waiting on homeowner participation
 - Potentially eligible homeowner outreach will be conducted Q4 2019
 - FAA grant funded at 80% of eligible costs

Construction in Progress

Condominiums

- 3 complexes comprised of 133 estimated units
- A&E / Construction Management Firm has been procured
- Project Kick-off meeting for 1st complex complete
- Construction anticipated to start 1st quarter 2020
- All complexes anticipated completion by 2021
- Eligible for FAA grant funding at 80% of eligible costs



Condominiums, 133 units

Apartment Sound Insulation

- 18 complexes identified as potentially eligible
- Approximately 877 units
- FAA grant funded at 80% of eligible costs
- Begin project definition of pilot project of 1 building in 2022
- Eligible for FAA grant funding at 80% of eligible costs
- Complete pilot project in 2023



Apartment sound insulation, 877 units

Places of Worship Sound Insulation

- 7 structures identified as potentially eligible
- P150 recommended a feasibility study first
 - Completed April 2016
 - Begin project definition of pilot project of 1 building in 2024
 - Pilot project estimated to be completed in 2024
 - Eligible for FAA grant funding at 80% of eligible costs

Places of worship insulation, 7 structures

Voluntary Home Acquisition Within The South Approach Transition Zone (ATZ)

- ATZ is an area 2500 feet off the end of the Runway Protection Zone (RPZ)
- Approximately 16 Single Family Homes & 6 apartment buildings
- Begin Project 2023
- Eligible for FAA grant funding at 80% of eligible costs
- Project completion date depends on voluntary participation



Residential voluntary acquisition in south ATZ

Schools

- MOA in place with Highline School District (HSD), FAA, and the Port to provide funding assistance for sound insulation
- 8 schools have been completed
- 7 HSD schools remain to be sound insulated
- Des Moines Elementary currently under construction
- Highline High School contracting has started



Highline School District, 7 schools

Thank You