

# Voluntary Noise Program

Noise Stakeholder Meeting  
September 17, 2025



City of Dallas





# Agenda

1 Greeting & Introductions

2 VNP Update Process

3 Overview of Project Tasks

4 Final Comments

5 Adjourn



# VNP Update Process



DOA hosted a series of noise stakeholder meetings to obtain VNP suggestions

DOA developed final list of VNP suggestions to be reviewed by stakeholders

DOA presented the final VNP suggestions to City Council for approval

DOA went out to bid and selected a consultant for VNP tasks that require additional study

Various studies will be undertaken to address possible changes to the VNP

# Overview of Project Tasks



# DNL Contour & Report



## Task 1 – Develop Two Annual Contour Reports

- Based on Recommendation #11
  - Last report developed for 2023
  - Two Annual Reports –2025 and likely 2025
  - 2<sup>nd</sup> report year may change based on runway closures, etc.
- Scope:
  - Annual DNL noise contours
  - Based on the prior year operations and flight tracks
  - Modeled as they were flown
  - Data tables (Operations & Runway Use)



# DNL Contour & Report



## Task 1 – Develop Two Annual Contour Reports

- Scope (Continued)
  - Updates to the VNP
  - Comparison to prior contours
  - 2025 Results will be used to support other tasks
- Schedule
  - 2025 Report – January to June 2026
  - 2028 Report – January to June 2029



# Departure Procedure Study



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## Task 2 – Departure Procedure Feasibility Study

- Based on Recommendation #5
  - Evaluate the feasibility of a duplicate departure procedure similar to the TRINITY Departure for Runway 13L/31R (Parallel to Lemmon)
- Scope:
  - Subtask 1
    - Review the existing TRINITY procedure
    - Design a notional procedure for Runway 13L/31R
    - Identify potential dependencies, runway usage, land use or airspace issues
    - Model DNL contours using potential procedure



# Departure Procedure Study



## Task 2 – Departure Procedure Feasibility Study

- Scope (Continued):
  - Subtask 2
    - Develop a report and presentation of the results
  - Subtask 3
    - If the proposed procedure is feasible, discuss the results with FAA and airlines
    - Determine possible implementation process
- Schedule
  - October 2025 – June 2026



# NADP Evaluation Study



## Task 3 – Noise Abatement Departure Profile (NADP) Study

- Based on Recommendation #6
  - Conduct study to identify the most beneficial Noise Abatement Departure Profile (NADP)
- Scope:
  - Subtask 1
    - Evaluate a recent six months of departure flights
    - Determine if specific carriers are using NADPs
    - Focus on three aircraft types: 737700, 737800, 7378MAX
    - Prepare SEL contours using the latest version of AEDT
    - Map SEL departure procedures for each Runway end



# NADP Evaluation Study



## Task 3 – Noise Abatement Departure Profile (NADP) Study

- Scope (Continued):
  - Subtask 2
    - Presentation of the results
    - Recommendation if type of NADP should change
  - Subtask 3
    - Apply NADP changes to the latest DNL contours
    - Use 2023 Annual
    - Use 2023 DNL contours
    - Map changes and determine population and housing counts
- Schedule
  - September 2025 – March 2026



# Noise Barrier Effectiveness Study



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## Task 4 – Noise Barrier Effectiveness Study

- Based on Recommendation #10 and #12
  - Conduct a study assessment for constructing a noise barrier between Denton Ave. and Dallas Love Field to determine effectiveness
  - Add limitation on the use of reverse thrust in the VNP
- Scope:
  - Subtask 1
    - Conduct noise measurements at up to four locations
    - Focus on start of takeoff roll and use of reverse thrust on Runway 31L
  - Subtask 2
    - Develop a three-dimensional ground noise model
  - Subtask 3
    - Model current noise levels



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# Noise Barrier Effectiveness Study



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## Task 4 – Noise Barrier Effectiveness Study

- Scope (Continued):
  - Compare to measured noise levels
- Subtask 4
  - Model separate noise mitigation alternatives
    - Reduction of reverse thrust on arrivals
    - Potential noise barrier along Denton Dr.
- Subtask 5
  - Noise report of study findings and recommendations
- Schedule
  - November 2025 – July 2026



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# Resource for Sound Insulation



## Task 5 – City Resource for Sound Insulation Information

- Based on Recommendation #8
  - Establish a City resource for a sound insulation program
- Scope:
  - Subtask 1
    - Establish a mapping interface with the latest set of DNL contours
    - Use 2023 DNL contours for setup and development
    - Update to 2025 DNL contours when ready
  - Subtask 2
    - Develop a homeowner's manual
    - Provides information regarding potential sound mitigation treatments that the homeowner could apply



# Resource for Sound Insulation



## Task 5 – City Resource for Sound Insulation Information

- Scope (Continued):
  - Subtask 3
    - Review City building codes
    - Focus on zoning near the airport
    - Consideration for an Airport Overlay District
- Schedule
  - October 2025 – December 2026



# Sound Insulation Eligibility



## Task 6 – Determine Sound Insulation Program Eligibility for Residential and Non-Residential Noise-Sensitive Structures

- Scope (Continued):
  - Subtask 4
    - Estimate the percentage of units and properties that would be eligible for Sound Insulation
  - Subtask 5
    - Estimate the cost for Sound Insulation within the DNL 65 dB contour
    - Determine number of treatments per year and potential timeline
  - Subtask 6
    - Prepare a technical memorandum describing the methodology used to develop the housing inventory, eligibility factors, and sound insulation costs.



### • Schedule

- August 2026 – July 2027



# Dallas Love Field Voluntary Noise Program Updates

## Recommendations without Studies



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# Voluntary Noise Curfew



## Recommendation 1 - Include DAL's voluntary noise curfew language in the VNP

- Contacted Federal Aviation Administration (FAA) regarding implementation process.
  - Delays due to administration changes

Schedule:

- On-going

## Recommendation 2 – Communicate with Operators about VNP

- Presents updates at Love Field Pilots Association (LFPA) Meetings

Schedule:

- Continuous



# Noise Communications



## Recommendation 3 – Improve Communications

- In-person events
  - Host Noise Stakeholder meetings
  - Attend Good Neighbor Program (GNP) and LFPA meetings
- Online communication:
  - Monthly Newsletter
  - NoiseLab
  - Love Field website

Schedule:

- Continuous



# Aircraft Noise



## Recommendation 13 – Communicate with operators on quieter aircraft models

- Met with LFPA to consider quieter aircraft in new acquisitions
- Requested fleet list from tenants

Schedule:

- On-going

## Recommendation 14 – Improve Noise and Operations Monitoring System (NOMS)

- New NOMS contract has been approved by City Council

Schedule:

- Approved 8/13/25



# Additional Recommendations



## 1 – Communicate VNP updates with Air Traffic Control

- Met with staff at the Air Traffic Control Tower to discuss VNP and procedures

Schedule:

- Continuous

## 2 – Implement software to monitor the engine runup area

- After hours operations in Engine Runup Area are monitored on Airboss

Schedule:

- Completed 10/9/2024



# Additional Recommendations



## 3 - Include VNP Information in FAA's Chart Supplement

- Feedback provided to FAA to include noise abatement information
- FAA review is underway

Schedule:

- On-going





# Questions

