

February 26, 1982

OUTLINE OF SCOPE OF WORK FOR THE
SEA-TAC NOISE REMEDY PROGRAM UPDATE

ELEMENT I - Airport Noise Compatibility Plan

ELEMENT II - Environmental Assessment

ELEMENT I - Airport Noise Compatibility Plan

Task 1: Purpose and Objectives

- a. Review of Sea-Tac/Communities Plan process, goals, and recommendations.
- b. Port planning policies and guidelines.
- c. Community and other agencies' goals and guidelines or rules and regulations.

Task 2: Interim Land Acquisition Program

- a. Definition of Study Area
 - o Study area will include the area identified in the

Sea-Tac/Communities Plan for land acquisition which has not fallen within a completed or on-going land acquisition program and at the same time meet land acquisition criterion established in the Sea-Tac/Communities Plan using update noise data from Sea-Tac Noise Exposure Update study.

b. Recommended Program for Study Area

- o Schedule for implementation
- o Implementation Responsibilities
- o Needed actions
- o Sources of funding

c. Determination of Federal and/or State Environmental Requirements

- o Prepare environmental documentation necessary for implementation of land acquisition program.

d. Commission Authorization for Implementation

Task 3: Definition of Study Area (Sea-Tac/Communities Plan's Airport Vicinity Planning Areas)

Task 4: Update of Inventory of Existing Conditions Within Study Area

- a. Land Use and Zoning

- categories of land use as per King County land use maps.
- location of noise sensitive public buildings
- location of any aircraft noise monitoring sites
- zoning
- b. Population
 - number of individuals and families
 - Characteristics of households (e.g., minorities, income levels, renter or owner, tenure, elderly, large families, etc.)
 - characteristics of community (e.g., attitudes toward neighborhood future, noise, etc.)
- c. Housing
 - number of housing types
 - characteristics of structures (e.g., types, value, etc.)
- d. Ground Transportation
 - surface transportation patterns

- vehicular mix and volume
- e. Noise
 - ambient noise sources and noise levels
 - aircraft generated noise by contour and grid cell
- f. Air Quality
- g. Water Quality and Drainage
- h. Physical Geography
 - geology and soil
 - topography and slope
 - flora and fauna
- i. Community Plans and Programs

Task 5: Trends and Forecasts

- a. Land Use Plans
 - Sea-Tac Communities Plan
 - Highline Area Land Use Plan

- b. Population Forecasts
- c. Ground Transportation Projections
- d. Summary of Sea-Tac Noise Exposure Update

- o Forecasts of Aviation Demand
- o Projections of noise exposure levels

Task 6: Identification of Noise Abatement Alternatives

- a. Implementation Authority by Airport Operator
 - o Residentially-oriented programs as defined in the Sea-Tac/Communities Plan (e.g., land acquisition, purchase guarantee, cost sharing insulation, limited cost sharing insulation, property advisory services, etc.).
 - o Aircraft noise reduction policies as developed in the Sea-Tac/Communities Plan (e.g., support of adoption of all operational procedures effective in reducing noise exposure, engine run-up curfews, and specified run-up locations, noise monitoring program, etc.)
- b. Implementation Authority Vested in a Local Agency or Political Subdivision Governing Body, or a State Agency or Political Subdivision Governing Body

- o Zoning
- o Soundproofing of buildings
- o Building codes

c. Implementation Authority Vested in a Federal Agency

- o Preferential runway system
- o Noise abatement takeoff or approach procedures
- o Modification of flight tracks

Task 7: Identification of Alternative Evaluation Criteria and Alternative Evaluation

- a. Community Sentiment
- b. Reduction of Noncompatible Land Uses and Exposed Population and Prevention of Additional Noncompatible Land Uses and Exposed Population
- c. Costs
- d. Relationship to Existing Airport Layout Plan, Airport Master Plan, Airport System Plan, Community Plans, and Port goals and

guidelines.

- e. Safety
- f. Feasibility of Implementation
- g. Timing Before Implementation

Task 8: Recommended Program

- a. Relative contribution of each measure to the overall program.
- b. Schedule for Implementation and Periodic Review and Updating
- c. Implementation Responsibilities
- d. Needed Actions
- e. Sources of Funding

Task 9: Community and Intergovernmental Coordination

- a. Citizen Involvement Program
- b. Meetings - Consultation with Community
- c. Meetings - Consultation with Governmental Agencies
- d. Summary of Comments and Material Submitted to Operator with

Responses

ELEMENT II - Environmental Assessment of Proposed Airport Noise Compatibility

Plan

Task 1: Purpose of and Need for Action

Task 2: Alternatives (including Proposed Action)

- a. Summary of Alternatives
- b. Review of Alternative Evaluation

Task 3: Affected Environment

- a. Maps
- b. Existing and Planned Land Use and Zoning
- c. Population and Housing
- d. Ground Transportation
- e. Community Plans and Programs

Task 4: Environmental Consequences

- a. Noise

- b. Compatible Land Use
- c. Social Impacts
- d. Induced Socioeconomic Impacts
- e. Air Quality
- f. Water Quality
- g. Department of Transportation Act, Section 4(f)
- h. Historic, Architectural, Archeological, and Cultural Resources
- i. Biotic Communities
- j. Endangered and Threatened Species of Flora and Fauna
- k. Wetlands
- l. Flood Plans
- m. Coastal Zone Management Program
- n. Prime and Unique Farm Land
- o. Energy Supply and Natural Resources
- p. Light Emissions

q. Solid Waste Impacts

r. Construction Impacts

s. Other Considerations

Task 5: Appendices

a. List of Agencies Consulted

b. A-95 Documentation

c. Summary of Citizen Involvement

d. Cost-benefit Analysis, if considered in alternative evaluation

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