
TO: AIRPORT COMMISSION

FROM: John Wilson, Airport Planner
SJC Planning & Development

SUBJECT: Major Amendment to the
Airport Master Plan

DATE: February 9, 2026

The purpose of this memo is to request Airport Commission review and recommend City Council approval for a Major Amendment to the Airport Master Plan (“Amendment”). The Amendment a) includes a new projected aviation demand forecasts for horizon year 2037, and b) modifies the list of specific project components of the long-term development program, including minor airfield geometry modifications, a new air traffic control tower (“ATCT”), and potential Advanced Air Mobility (“AAM”) vertiport sites.

BACKGROUND

Airport Master Plan

The current Airport Master Plan (“Master Plan”), originally adopted by the City Council in 1997 and amended over time, serves as the City’s long-range development guide to Airport facility development through the horizon year 2037. The Master Plan includes forecasts of aviation activity, facility requirements, and a phased development program of approximately 90 specific facility improvement projects, the majority of which have already been implemented over the last thirty years, including major projects such as runway extensions, new terminal building and parking facilities, new fuel storage/dispensing systems, and new corporate aviation leaseholds.

The Airport Master Plan has been amended 18 times since 1997 as implementation has proceeded and conditions or activity trends have changed. The San Jose Municipal Code (Chapter 25.02, Part 3) sets forth criteria and procedures for formally amending the adopted Airport Master Plan. “Major” amendments are those revisions which alter development goals/objectives or allow for increased activity levels, design capacity, or noise impacts beyond the levels currently projected in the plan. To date, three major amendments have been adopted, the most recent in 2020. “Minor” amendments are more limited changes that typically add or modify specific proposed capital improvement projects, but which otherwise remain consistent with development goals/objectives and projected activity levels, design capacity, and noise impacts.

ANALYSIS

New Aviation Demand Forecasts

The current Airport Master Plan is based on a projected demand of 22.5 million annual passengers and a total of 237,710 aircraft operations by the year 2037. National aviation planning firm HNTB completed new aviation demand forecasts in 2025,

retaining the horizon year of 2037. The new forecasts reflect the myriad of changes to local economic conditions, the continued rebound of the airline industry in the Bay Area, and the long-standing impacts from a lack of business travel. In the general aviation segment, operations and based aircraft continue to steadily increase over time that have occurred since the last set of aviation forecasts were prepared in 2017.

	2024 Actual	Current Master Plan 2037 Demand	Amended Master Plan 2037 Demand
Annual Air Passengers	11.4 million	22.5 million	16.75 million
Annual Air Cargo (tons)	30,837	100,200	40,698
General Aviation (based aircraft)	154	164	183
Annual Aircraft Operations			
Air Passenger	106,245	183,920	147,071
Air Cargo	1,202	1,960	1,729
Air Taxi "Commuter"	24,217	22,168	33,052
General Aviation	31,946	29,412	40,073
Military	125	250	125
Total	163,735	237,710	222,150

Development Program Modifications

Overall, future airfield and landside area capacity will remain sufficient to accommodate the new 2037 demand. This amendment contemplates several minor airfield geometry adjustments, while retaining the large majority of the airfield configuration recommendations from the Airport's Runway Incursion Mitigation/Design Standards Analysis (RIM) study, completed in 2022

Airfield Facilities

The proposed minor modifications to the airfield configuration are intended to improve safety and compliance with current FAA airfield design standards and associated geometric criteria:

Proposed Modifications to Airfield Improvement Projects		
#	Description in Approved Airport Master Plan	Proposed Modification
A-26	Convert former Runway 11-29 to a new parallel Taxiway V (for ADG-III aircraft) and extend south to Taxiway C and north to a new cross Taxiway V7.	Rename Taxiway V7 to Taxiway V6 to reflect that only six taxiway connectors will be constructed.

Proposed Modifications to Airfield Improvement Projects		
#	Description in Approved Airport Master Plan	Proposed Modification
A-27	Construct new cross Taxiway V7 from north end of new Taxiway V to Taxiway W (for ADG-III aircraft).	Rename Taxiway V7 to Taxiway V6 to reflect that only six taxiway connectors will be constructed.
A-38	Construct up to seven new taxiway connectors (V1-V7) between the expanded west side apron (Project G-9) and new Taxiway V (for ADG-III aircraft).	Change “up to seven new taxiway connectors (V1-V7)” to “up to six new taxiway connectors (V1-V6)” to reflect that only six taxiway connectors will be constructed.
A-46	Narrow segment of existing cross Taxiway B between Taxiway Z and Runway 12L-30R through pavement marking/painting.	Change “pavement marking/painting” to “pavement removal.”
A-47	Narrow segment of existing cross Taxiway L between Taxiway Y and Runway 12R-30L through pavement marking/painting.	Change “pavement marking/painting” to “pavement removal.”
A-48	Close existing segments of cross Taxiways F and H between Runway 12R-30L and Runway 12L-30R through pavement marking/painting.	Change “pavement marking/painting” to “pavement removal.”
A-50	n/a	New project: Close existing segment of cross Taxiways E, F, and H between Runway 12L/30R and Taxiway Y through pavement removal.

New Air Traffic Control Tower

The Federal Aviation Administration (“FAA”) is planning to replace the existing ATCT adjacent to the existing facility. The design of the replacement ATCT will address existing line-of-sight and FAA code deficiencies. The project includes a new control tower, administration buildings, and ground radar facilities:

Proposed Modifications to Aviation Support Projects		
#	Description in Approved Airport Master Plan	Proposed Modification
S-10	n/a	New Project: Demolish existing air traffic control tower (ATCT) and remote transmitter/receiver (RTR) and construct replacement ATCT and RTR adjacent to existing ATCT location on the west side of the Airport.

Potential Vertiport Sites

A new and emerging sector of the aviation industry known as AAM has been rapidly gaining momentum over the past decade. The goal of AAM is to supplement the existing air travel network with the implementation of piloted, autonomous, and electrified aircraft into the national airspace system for passenger, cargo, and emergency services. The Airport is preparing for this new sector of the aviation industry in several ways, including the identification of future vertiport development areas across the airport campus, and incorporation of those areas into the Airport Master Plan as potential future capital improvement projects:

Proposed Modifications to General Aviation Projects		
#	Description in Approved Airport Master Plan	Proposed Modification
G-11	n/a	New Project: Construct vertiport(s) and associated support facilities at various existing facilities or new sites on the east or west sides of the Airport.

Next Steps

The Airport is proceeding with the public review requirements as defined in the Municipal Code. The public meeting schedule is as follows:

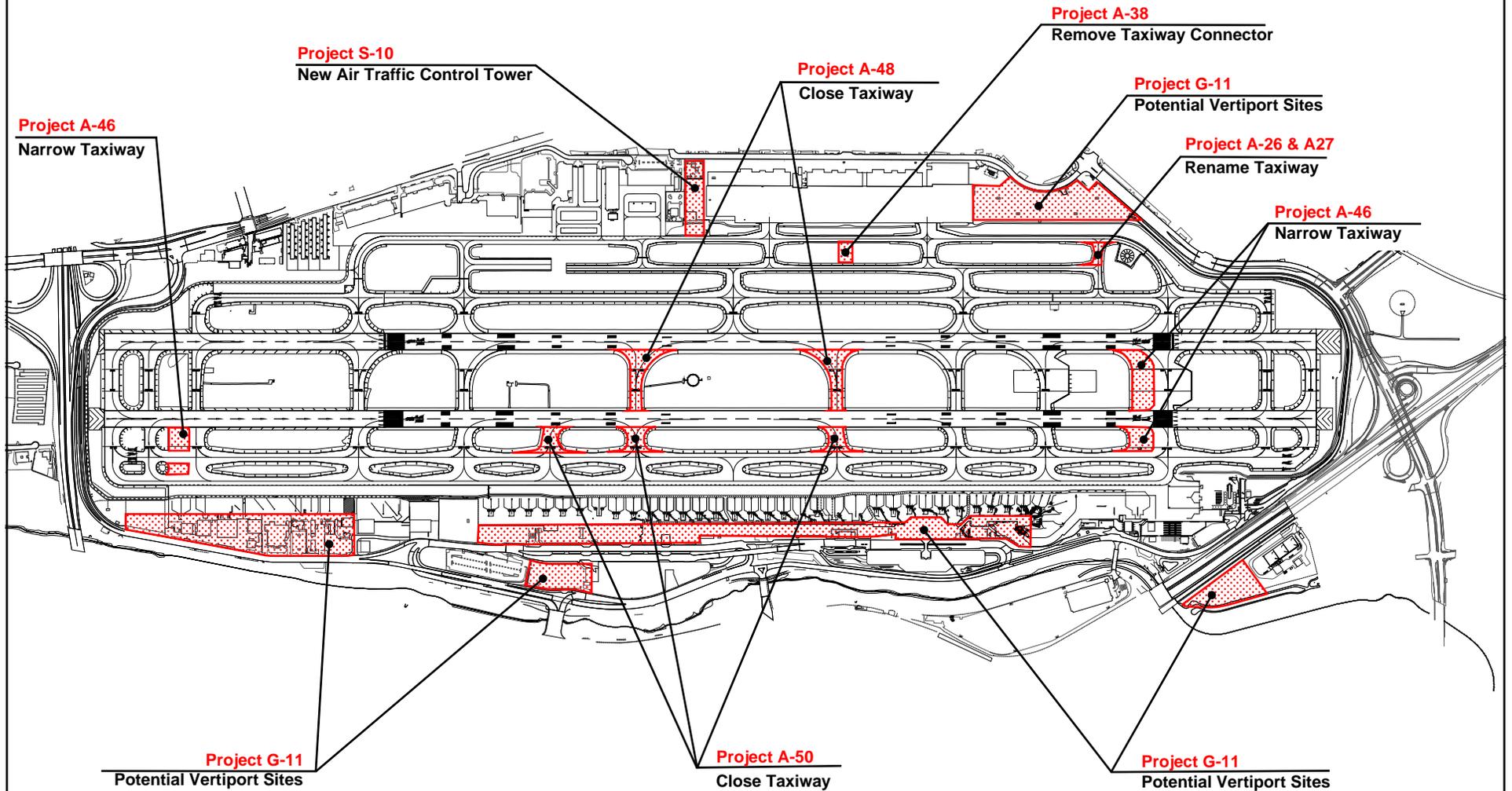
- February 9, 2026 - Airport Commission meeting
- March 25, 2026 - Santa Clara County Airport Land Use Commission
- April 2026 City Planning Commission
- April/May 2026 City Council

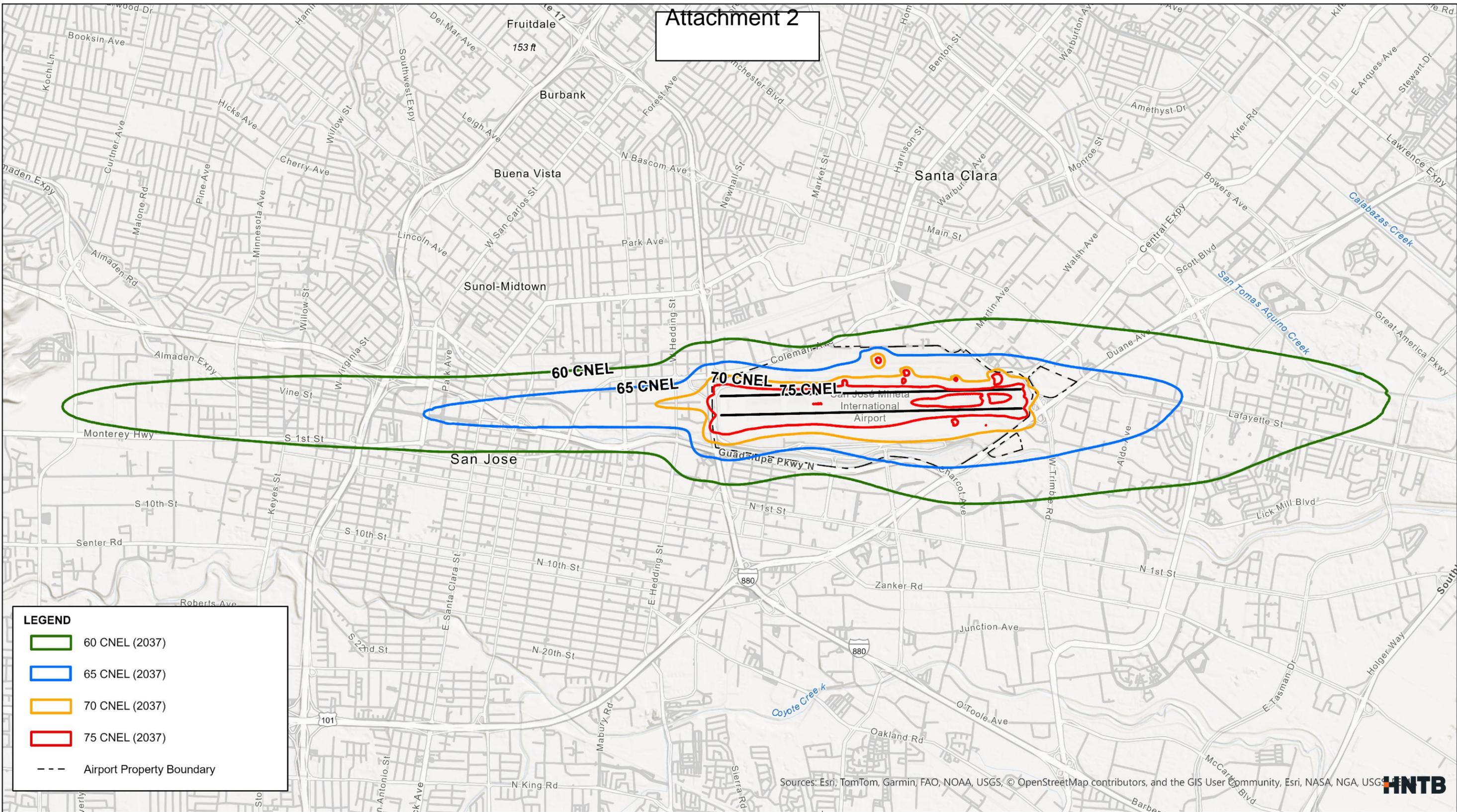
For any questions on this project, please reach out to Matthew Kazmierczak at mkazmierczak@sjc.org or 408-392-3640.

Attachments:

1. Master Plan Amendment – Project Map
2. New 2037 CNEL Noise Contours

MAJOR AMENDMENT TO THE AIRPORT MASTER PLAN



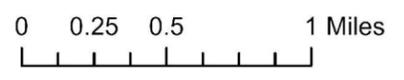


LEGEND

- █ 60 CNEL (2037)
- █ 65 CNEL (2037)
- █ 70 CNEL (2037)
- █ 75 CNEL (2037)
- - - Airport Property Boundary

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, NASA, NGA, USGS **HNTB**

**San José Mineta International Airport (SJC)
Amendment to SJC Master Plan**



2037 Future Condition Noise Exposure