

Executive Summary Update

Airport Master Plan

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Airport Master Plan Overview

The Airport Master Plan for San Jose International consists of a program of facility improvements designed to fully accommodate commercial aviation demand (passengers and cargo) projected for the year 2017, with development phased as demand warrants and is determined to be financially feasible. The Master Plan was originally adopted by the City of San Jose in June 1997 and approved by the Federal Aviation Administration (FAA) in December 1999. Key elements of the development program include:

- Runways 12L-30R and 12R-30L to be reconstructed and extended to their maximum on-site length (11,000 feet), supported by numerous taxiway system improvements.
- Up to 49 air carrier gates to be provided through construction of new and remodeled terminal buildings. Other facilities needed to accommodate projected demand (17.6 million annual passengers in 2017) to include multi-story garages for public and rental car parking, a new jet fuel storage facility, and roadway improvements.
- Projected air cargo demand in 2017 to be accommodated through relocation and development of new cargo airline facilities on the west side of the Airport and expanded airline belly-cargo facilities on the east side.
- General aviation activity to be constrained due to insufficient airside and landside capacity. Facilities in 2017 to be limited to the southwest side of the Airport, but intended to accommodate all corporate aircraft demand (including large aircraft parking on east side as needed and available).

Subsequent to its 1997 approval, the Airport Master Plan has been revised through a series of City-approved amendments. The Master Plan development program currently includes approximately 70 improvement projects, of which about half have been completed or are underway.

The Airport development program incorporates environmental mitigation measures and other requirements set forth in the City's Airport Master Plan Environmental Impact Report (EIR) and Implementation Ordinance, and the California Air Resources Board's air quality certification for runway improvements. These associated requirements have also been updated subsequent to their original issuance.

Summary of Airport Activity Levels

Activity Element	1996 Actual*	2005 Actual*	2017 Projected*
Passengers	10,009,027	10,755,978	17,623,700
Aircraft Operations:			
• Major Airline	125,990	126,970	186,400
• All-Cargo	4,205	3,528	13,100
• General Aviation**	157,685	63,401	129,700
• Military	426	76	800
Total	288,306	193,975	330,000
Cargo Tonnage:			
• All-Cargo Airline	88,529	88,655	189,200
• Airline Belly-Cargo	22,105	16,006	126,100
Total	101,634	104,661	315,300
Based Aircraft**	440	184	360

Summary of Airport Facilities

Facility Element	1996 Actual*	2005 Actual*	2017 Projected*
Runway Length (feet):			
• 12R-30L	10,200	11,000	11,000
• 12L-30R	4,400	11,000	11,000
• 11-29	4,600	4,600	4,600
Air Carrier Gates	31	31	49***
Terminal Building (sq.ft.)	408,000	482,000	1,700,000
Vehicle Parking (spaces):			
• Public	7,300	6,900	16,200***
• Employee	1,200	1,100	2,600
• Rental Car Ready/Return	700	1,300	2,000
Jet Fuel Storage (gallons)	208,000	267,000	4,000,000
All-Cargo Area (sq.ft.)	300,000	300,000	1,897,900
Belly-Cargo Area (sq.ft.)	85,000	85,000	460,500
Based/Transient Aircraft (spaces)**	660	510	400

* 1996 = pre-Master Plan. 2005 = most recent year. 2017 = Master Plan horizon.

** General Aviation demand and facilities constrained under Master Plan.

*** City Ordinance restrictions: maximum of 40 gates and 12,700 parking spaces.

Airport Master Plan Project List

Airfield Projects:	Status
A-1. Reconstruct/extend Runway 12L-30R to 11,000 feet.	Complete
A-2. Extend parallel Taxiway Y north from Twy L to new Twy N and south from Twy B to new Twy A.	Complete
A-3. Extend/widen parallel Taxiway Z north from Twy K to Twy L.	Complete
A-4. Construct new cross Taxiway A at south end, east of extended Twy Y to west of extended Rwy 12L-30R, with D-IV aircraft hold apron on north side between Twy Y and Rwy 12L-30R.	Complete (except hold apron)
A-5. Construct new cross Taxiway N at north end, from extended Twy Y to west of extended Rwy 12L-30R.	Complete
A-6. Strengthen cross Taxiway C east & west of Rwy 12L-30R.	Complete
A-7. Extend cross Taxiway D west of Rwy 12L-30R and strengthen east of 12L-30R.	Complete
A-8. Strengthen cross Taxiway E east of Rwy 12L-30R.	Complete
A-9. Strengthen cross Taxiway F east & west of Rwy 12L-30R.	Complete
A-10. Strengthen cross Taxiway H east & west of Rwy 12L-30R.	Complete
A-11. Strengthen cross Taxiway J east & west of extended Rwy 12L-30R.	Complete
A-12. Strengthen cross Taxiway K east & west of extended Rwy 12L-30R.	Complete
A-13. Strengthen cross Taxiway L from extended Twy Z to west of extended Rwy 12L-30R.	Complete
A-14. Reconstruct/extend Runway 12R-30L to 11,000 feet.	Complete
A-15. Extend new cross Taxiway A west of extended Rwy 12L-30R to Rwy 12R-30L, with D-IV aircraft hold apron on north side between runways.	Complete (except hold apron)
A-16. Extend new cross Taxiway N west of extended Rwy 12L-30R to extended Twy W, with D-IV aircraft hold apron on south side between runways.	Part complete
A-17. Extend parallel Taxiway W north from Twy M to new Twy N and extend/widen south from Twy C to extended end of Rwy 12R-30L (for D-IV aircraft).	Future
A-18. Strengthen cross Taxiway C west of Rwy 12L-30R to west of Rwy 12R-30L and widen at 12R-30L for higher-speed arrivals exit to east.	Complete
A-19. Extend cross Taxiway D west of Rwy 12L-30R to west of Rwy 12R-30L and widen at 12R-30L for higher-speed arrivals exit to east.	Complete

Airport Master Plan Project List (continued)

Airfield Projects:	Status
A-20. Strengthen cross Taxiway F west of Rwy 12L-30R to Rwy 12R-30L.	Complete
A-21. Widen/strengthen cross Taxiway G west of Rwy 12R-30L (for D-IV aircraft).	Complete
A-22. Strengthen cross Taxiway H west of Rwy 12L-30R to Rwy 12R-30L.	Complete
A-23. Strengthen cross Taxiway J west of extended Rwy 12L-30R to west of Rwy 12R-30L and widen at 12R-30L for higher-speed arrivals exit to west.	Complete (except high speed exit)
A-24. Strengthen cross Taxiway K west of extended Rwy 12L-30R to Rwy 12R-30L and widen at 12R-30L for higher-speed arrivals exit to east.	Complete
A-25. Strengthen cross Taxiway L west of extended Rwy 12L-30R to Rwy 12R-30L.	Complete
A-26. Widen/strengthen parallel Taxiway V from Twy G north to Twy W (for D-IV aircraft) and patch/restripe south of Twy G (for B-II aircraft).	Future
A-27. Construct cross Taxiway H between Rwy 11-29 and Twy V (for B-II aircraft).	Future
A-28. Extend parallel Taxiway Z south from Twy B to Twy A, and realign north of Twy G to match alignment south of Twy G.	Completion underway
A-29. Rehabilitate parallel Taxiway Y between Twy B & Twy L and strengthen at cross taxiways.	Underway
A-30. Construct parallel Taxiway W between Twy C & Twy L (for D-IV aircraft).	Future
A-31. Strengthen cross Taxiway C from west of Rwy 12R-30L to Twy W.	Future
A-32. Extend cross Taxiway D west of Rwy 12R-30L to extended Twy W (for D-IV aircraft).	Future
A-33. Widen/strengthen cross Taxiway G west of Rwy 12R-30L to Twy V (for D-IV aircraft).	Future
A-34. Widen/strengthen cross Taxiway J west of Rwy 12R-30L to Twy V (for D-IV aircraft).	Future
A-35. Rehabilitate terminal apron pavement east of Twy Z between Twy D & Twy G.	Future
A-36. Rehabilitate Taxiway C between Twy V & Twy W, and Taxiway V between Twy C & Twy D.	Future

Airport Master Plan Project List (continued)

Terminal Projects:	Status
T-1. Construct interim long-term public and employee parking lot (up to 7,400 spaces) on vacant 55 acre site on west side (north and south of Air Traffic Control Tower).	Complete (north of ATCT)
T-2. Remove “Yellow” Long-Term Parking lot and “Green” Long-Term Parking lot, temporarily consolidating long-term public and employee parking on west side (upon completion of Project T-1).	Complete
T-3. Relocate “Red” Hourly Parking lot and existing parking operations facilities to interim sites during construction of Project T-4).	Future
T-4. Construct new public short-term parking garage (up to 3,000 spaces) on existing “Red” Hourly Parking lot site opposite new Terminal B.	Future
T-5. Construct new “ North Concourse ” (part of new Terminal B) between existing Terminals A & C, consisting of up to 400,000 sq.ft. and 9 air carrier gates, with passenger processing facilities.	Underway
T-6. Remove former temporary FIS facility from ramp south of Terminal C and remove City office structures at 1311 Airport Blvd.	Part complete
T-7. Relocate/expand employee parking (up to 2,600 spaces) to former FMC site on west side of Coleman Ave. and/or to terminal area parking facilities.	Future
T-8. Construct new public long-term parking garage (up to approx. 9,000 spaces) on existing interim rental car ready/return parking lot site, including interim surface parking at site and/or relocation to former FMC site on west side of Coleman Ave. prior to garage construction, second 2-lane bridge accessing site from Airport Blvd. and, upon completion, removal of public parking from interim west side lot.	Future
T-9. Expand/remodel Terminal A by approx. 50,000 sq.ft. (total of 400,000 sq.ft.) to provide additional passenger departure processing and concession space, retaining existing air carrier gates and Federal Inspection Services facility for international arrivals.	Future
T-10. Install temporary Terminal C passenger processing facility (approx. 25,000 sq.ft.) on east side of existing south wing, displacing 3 air carrier gates, for interim relocation of terminal functions from existing north wing and baggage claim wing. Upon completion, demolish Terminal C north and baggage claim wings (displaced by Projects T-11 and T-15).	Future
T-11. Expand North Concourse/Terminal B by up to 200,000 sq.ft. and 4 air carrier gates to south onto site of demolished north wing of Terminal C (upon completion of Project T-10).	Future

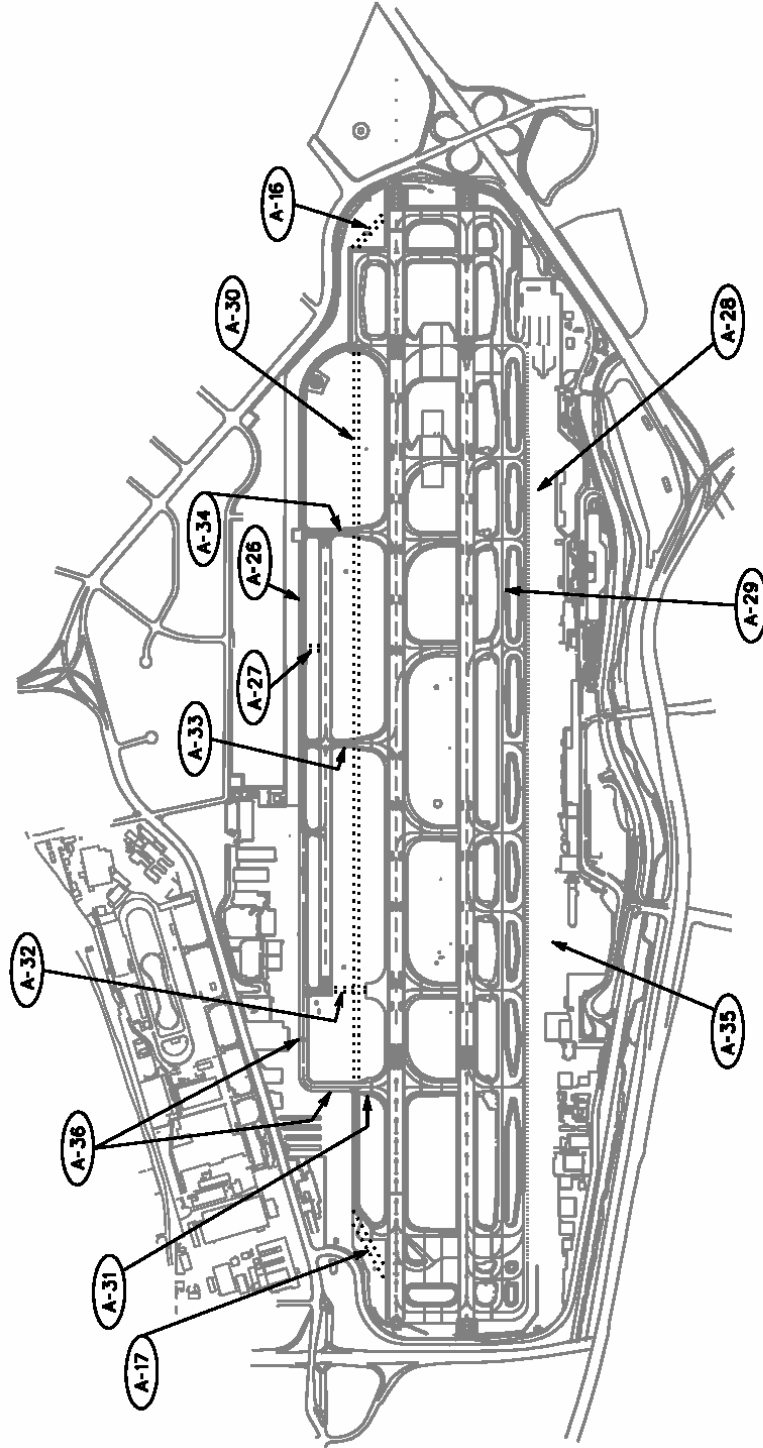
Airport Master Plan Project List (continued)

Terminal Projects:	Status
T-12. Demolish remainder of Terminal C and temporary passenger processing facility (upon completion of Project T-11 and relocation of airline functions to Terminal A and North Concourse/Terminal B).	Future
T-13. Expand Terminal B (South Concourse) to south onto remainder of demolished Terminal C site, consisting of up to 700,000 sq.ft. and 10 air carrier gates (ultimate total of 40 gates and 1.70 million sq.ft.), with passenger processing facilities.	Future
T-14. Construct new rental car parking garage facility (up to 6,000 spaces, including 2,000 ready/return spaces and vehicle servicing facilities) opposite new Terminal B. Upon completion, remove existing interim rental car ready/return, servicing, and storage facilities.	Future
T-15. Construct terminal area roadway improvements including realigned/widened Terminal Dr., Airport Blvd./Terminal Dr. connection south of Terminal A, dedicated shuttle lane between Terminal A and new rental car parking garage opposite new Terminal B, reconfigured Terminal Dr./Airport Blvd. south intersection, and associated modifications.	Future
Air Cargo Projects:	
C-1. Construct interim expansion of east side cargo airline area ramp to the south (up to 162,000 sq.ft. of new ramp).	Complete
C-2. Construct new cargo airline facilities on northwest side of Airport (43 acres), including up to 1.3 million sq.ft. of ramp and 575,000 sq.ft. of building and vehicle parking/movement area (upon completion of Projects A-26, T-7, & T-8).	Future
C-3. Relocate belly-freight facilities to 7.5-acre site at former east side cargo airline ramp area, including construction of 154,000 sq.ft. cargo building (upon completion of Project C-2).	Future
C-4. Construct new belly-freight facilities on 3 acres on southeast side of Airport (upon completion of Project S-6).	Future
C-5. Remove existing Air Freight Building and vehicle parking/movement area (displaced by Project T-13).	Future
General Aviation Projects:	
G-1. Remove south end tiedowns, shelters, and General Aviation Terminal facilities (displaced by Projects A-1, A-2, A-4).	Complete
G-2. Remove southeast t-hangar facilities (displaced by Project A-28).	Complete
G-3. Remove "94th Aero Squadron" restaurant facility on west side and convert site to general aviation use.	Part complete

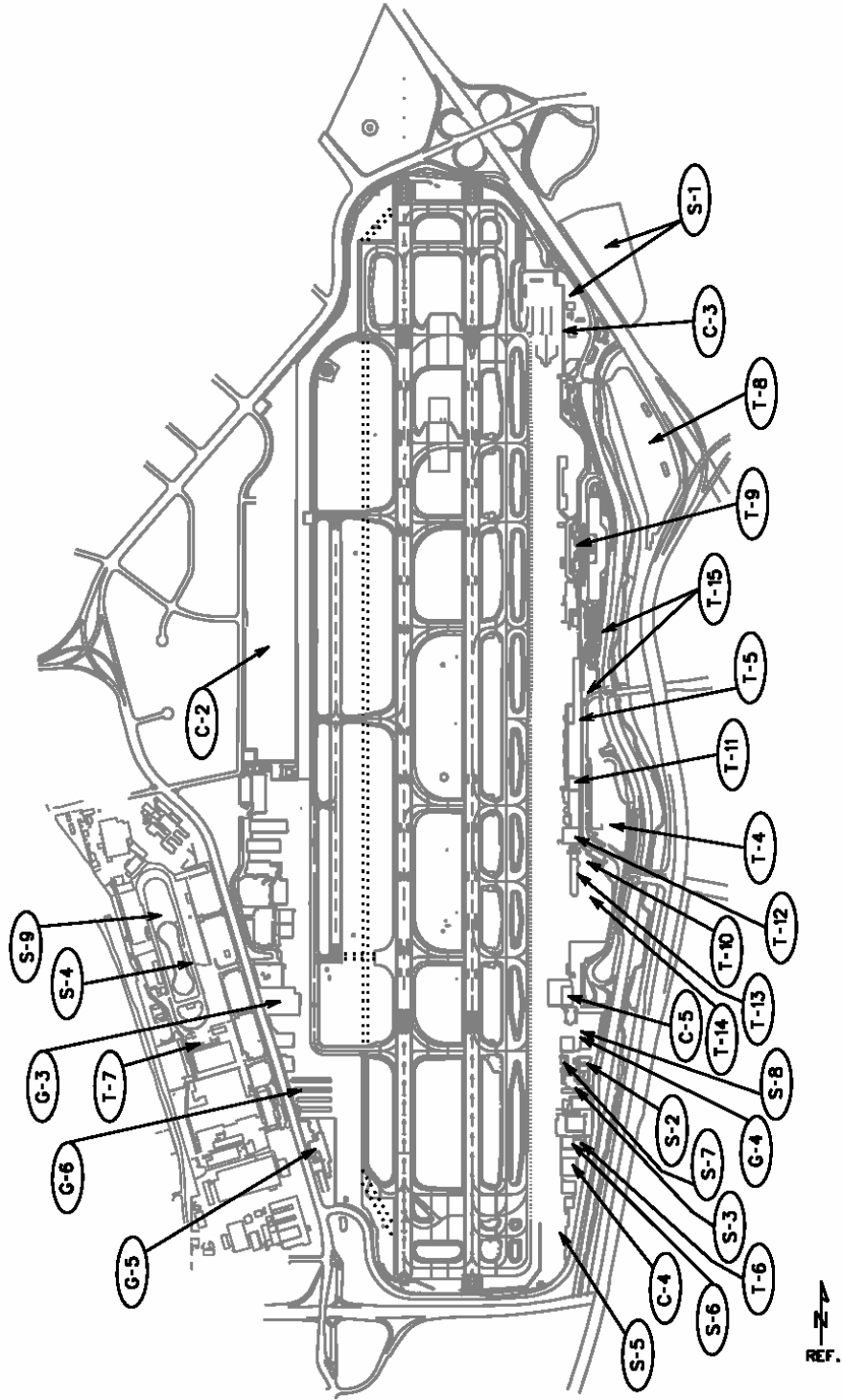
Airport Master Plan Project List (continued)

General Aviation Projects:	Status
G-4. Remove east side ACM facilities (FBO) upon lease expiration by 2009 (displaced by Project S-8).	Future
G-5. Remove San Jose State University facilities at southwest side upon lease expiration in 2010 and convert site to general aviation use.	Future
G-6. Establish new FBO leaseholds on west side for reconfiguration of general aviation facilities.	Part complete
G-7. Construct general aviation facilities on vacant parcel between San Jose Jet Center FBO leasehold and Air Traffic Control Tower.	Complete
Aviation Support Projects:	
S-1. Construct approx. 7-acre fuel storage facility (up to 8 tanks, 4.0 million gallon capacity) on vacant parcel north of Hwy. 101, two-acre fuel dispensing facility between Terminal A and north end of airfield, and pipeline connecting storage and dispensing.	Future
S-2. Remove existing fuel storage and dispensing facilities on southeast side of Airport and clean up site (upon completion of Project S-1).	Future
S-3. Expand airport maintenance facilities on southeast side of Airport either to north or south by one acre (upon completion of Project S-2).	Future
S-4. Expand flight kitchen facilities on southeast side of Airport to south by one acre (upon completion of Project T-6) or relocate/expand to up to 5 acres on former FMC site on west side of Coleman Ave.	Future
S-5. Relocate/expand airline maintenance/storage facilities from various east side sites to 6-acre site at southeast corner of Airport (upon completion of Projects G-2 and A-28).	Future
S-6. Remove hangar buildings at 1253-1311 Airport Blvd. (upon completion of Project S-5) (displaced by amended Project C-4).	Future
S-7. Upgrade/expand Airport Rescue & Fire Fighting (ARFF) facility by one acre (upon completion of Project S-2), potentially including a consolidated Airport Response Center facility.	Future
S-8. Convert existing east side ACM leasehold to aviation support uses (upon completion of Project G-4), such as airline provisioning/security clearance facility, roadway expansion, and aircraft remote parking.	Future
S-9. Reuse former FMC site on west side of Coleman Ave. for interim or long-term uses to be determined over time to facilitate on-Airport development or operation, such as project construction staging, rental car storage, public or employee parking, flight kitchen, Airport/airline warehousing, and compatible non-aviation leaseholds.	Future

AIRPORT MASTER PLAN
AIRFIELD IMPROVEMENTS 2006-2017



AIRPORT MASTER PLAN
LANDSIDE IMPROVEMENTS 2006-2017



Airport Master Plan

Additional Program Components

- **Adoption & Amendment Process Ordinance (1993):**

Set of City requirements and procedures for preparation, adoption, and amendment of the Airport Master Plan. A total of 13 amendments adding, deleting, or modifying specific Airport Master Plan development program projects or objectives have been adopted through June 2006.

- **Environmental Impact Report (1997, as supplemented/addended):**

Approx. 30 City mitigation measures, consisting of project-specific or ongoing requirements for Airport development or operational impacts related to traffic, noise, air quality, biological resources, hydrology/water quality, cultural resources, aesthetics, geology, and hazardous materials.

- **Implementation Program Ordinance (1998, as amended):**

Approx. 40 City policies and requirements for Airport development.

- Air carrier gates limited to total of 40 (vs 49 in Master Plan).
- Public parking spaces limited to total of 12,700 (vs 16,200 in Master Plan).
- Specified roadway access improvements added to development program.
- Timing of certain Master Plan projects linked to achievement of specific activity or operating conditions.
- Additional required studies, reports, and noise control program efforts.

- **State Air Resources Board Air Quality Certification (1999):**

Approx. 25 development or operational conditions imposed as part of required air quality certification for FAA approval of Airport Master Plan runway projects.

Airport Master Plan Milestones

- **Preparation of new Airport Master Plan:** 1988 - 1997
 - **Airport Master Plan & EIR adopted by City:** June 1997
 - **Airport Master Plan Implementation Ordinance adopted by City:** March 1998
 - **Airport Layout Plan & EIS Record of Decision approved by FAA:** December 1999
 - **Airport Master Plan final report published:** December 1999
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- **Runway 12L-30R Reconstruction & Extension Project completed:** August 2001
 - **Airport Master Plan amended to revise Terminal Area development projects:** November 2001
 - **Airport Master Plan Supplemental EIR completed as part of Master Plan amendment:** January 2003
 - **New Terminal B construction initiated (“North Concourse” between Terminals A & C):** August 2004
 - **Runway 12R-30L Reconstruction & Extension Project completed:** October 2004
 - **Airport Master Plan amended to extend & revise development program objectives & projects:** June 2006
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