

Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: SID	Estimated Chart Date: 08/07/2025	APWS Task ID: 6B4F466B64754E529E1B779EBEAD014F	APWS Project ID: 1685CB84A307470EB52FF736E3445E5B
Procedure: SID ALAMO FIVE SAN ANTONIO TX KSSF		Enroute: YES	Specialist: Johnson, Raymond		Agreement Number:
Airport ID: KSSF			Airport City: SAN ANTONIO		State: TX
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			
Procedure Comments: PROCEDURE COMPLETED USING PENDING AIRNAV DATA. MAGVAR: KSSF MAGVAR CHANGED FROM 8E/1980 TO 3E/2025. UPDATED TAKEOFF MINIMUMS AND DP ROUTE DESCRIPTION WITH INITIAL CLIMB TO ALTITUDES TO MATCH RNAV SIDS FOR CONTINUITY AND SAFETY WAIVER REQUESTED FOR A SID DESIGNED TO SUPPORT ATC ISSUING A RANGE OF INITIAL HEADINGS WITH A MAINTAINED ALTITUDE LOWER THAN THE UNRESTRICTED CLIMB ALLOWED BY TERPS. CONTACT: ALLAN WILL, AJV-A423 MANAGER, 405.954.6103 QUALITY 20 CHECKED QUALITY 38 CHECKED					

1. FLIGHT PROCEDURE IDENTIFICATION:

SAN ANTONIO, TX
SAN ANTONIO INTL (KSAT)
STINSON MUNI (KSSF)
ALAMO DEPARTURE

2. WAIVER REQUIRED AND APPLICABLE STANDARD:

To permit publishing a SID with no assigned heading or altitude.

FAA Order 8260.46 Memorandum paragraph 4-a.b. states: Do not apply Section 13-2, Diverse Departure Assessment without a FS waiver for the following.

- a. A SID designed to support ATC radar vectoring below the MVA without a DVA.
- b. A SID designed to support ATC issuing a range of initial headings with a maintained altitude lower than the unrestricted climb allowed by TERPS.

3. REASON FOR WAIVER (JUSTIFICATION FOR NONSTANDARD TREATMENT):

Currently, the ALAMO Departure primarily serves San Antonio INTL (KSAT) and Stinson MUNI (KSSF) as a satellite airport. San Antonio TRACON (SAT) ATC requests to have the departure route description for KSAT state: Climb on assigned heading for RADAR Vectors to SAT VORTAC, maintain 5000'. For KSSF TAKEOFF RWY 10: CLIMB ON HEADING 99.53 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO SAT VORTAC, THENCE...,TAKEOFF RWY 14: CLIMB ON HEADING 142.36 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO SAT VORTAC, THENCE...,TAKEOFF RWY 28: CLIMB ON HEADING 279.53 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO SAT VORTAC, THENCE...,TAKEOFF RWY 32: CLIMB ON HEADING 322.36 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO SAT VORTAC, THENCE...

4. EQUIVALENT LEVEL FOR SAFETY PROVIDED:

Obstacle Departure criteria has already been evaluated for KSAT and KSSF. TAKEOFF MINS are published on the SID chart and establish the necessary climb needed to avoid obstacles until reaching the Minimum Vectoring Altitude (MVA) where Air Traffic will assume responsibility for the aircraft. TAKEOFF MINS for KSAT: Standard. TAKEOFF MINS for KSSF: RWY 10: STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 1900, RWY 14: STANDARD WITH MINIMUM CLIMB OF 220 FT/NM TO 1900, RWY 28: 300-1 5/8 OR STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCURE NO LATER THAN 1800 FT PRIOR TO DER, RWY 32: STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 1700.

5. ALTERNATIVE ACTIONS DEEMED NOT FEASIBLE:

Due to the variations in the performance of local aircraft, SAT requires the ability to assign diverging headings on departure to deconflict traffic. SAT requires the ability to assign headings based off of operational need which will be at or above the MVA for SSF and 5000' for KSAT. Additionally, multiple published Standard Terminal Arrival Routes in SAT airspace terminate at or above 6000' which by design, deconflicts with SIDS that climb to 5000' in the local area.

6. COORDINATION WITH USER ORGANIZATIONS (SPECIFY):

SAT Approach Control, San Antonio Intl (KSAT) ATCT, and Stinson MUNI (KSSF) ATCT

7: SUBMITTED BY:

DATE	OFFICE IDENTIFICATION	TITLE	SIGNATURE
	AJV-A423	MGR	<i>Digitally signed by</i>

8. AFS ACTIONS:

☐ APPROVED ☐ DISAPPROVED ☐ NOT REQUIRED **ALLAN WILL**
Apr 02, 2025

COMMENTS:

DATE	ROUTING SYMBOL	SIGNATURE
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(ALAMO5.ALAMO) FIG
ALAMO FIVE DEPARTURE

AL-372 (FAA)

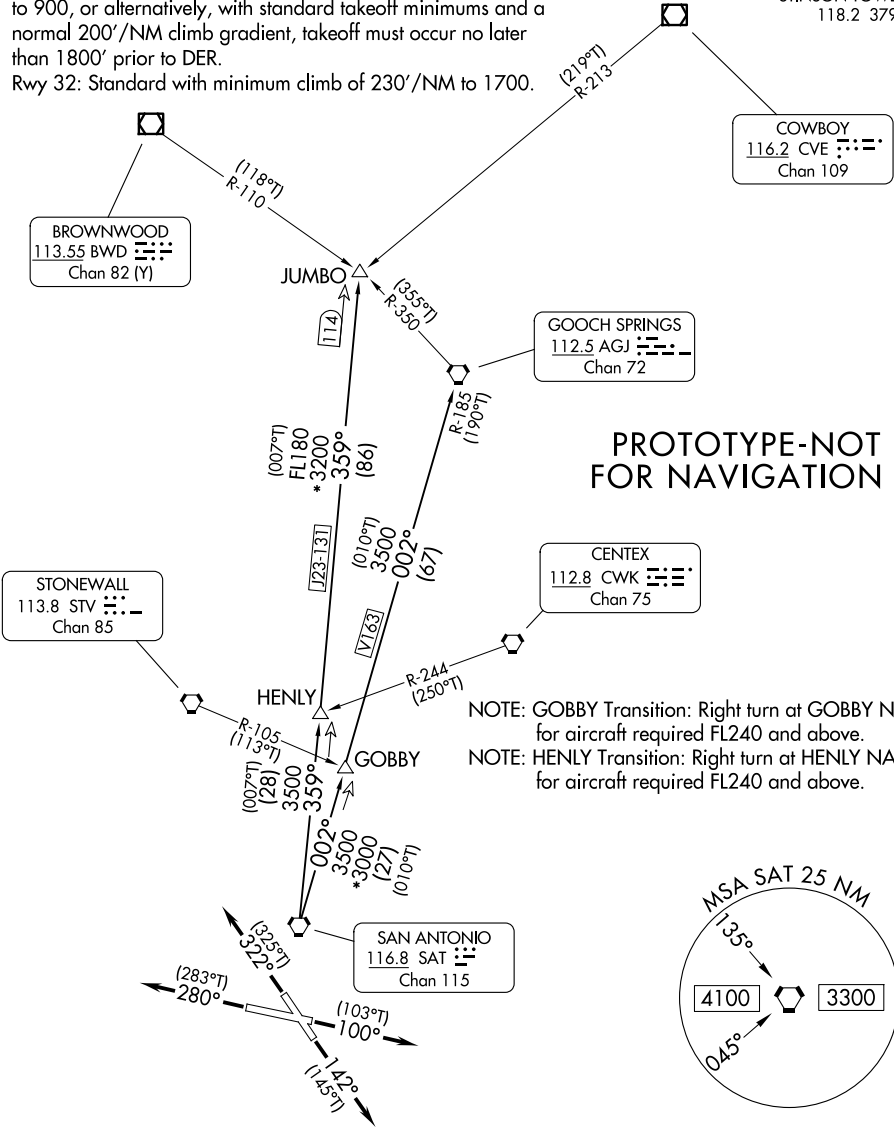
STINSON MUNI (SSF)
SAN ANTONIO, TEXAS

RADAR required.
**TOP ALTITUDE:
ASSIGNED BY ATC**

SAN ANTONIO DEP CON
125.7 290.225
ATIS
128.8
CLNC DEL (When twr closed)
121.7
GND CON
121.7 379.9
STINSON TOWER★
118.2 379.9

TAKEOFF MINIMUMS:

Rwy 10: Standard with minimum climb of 230'/NM to 1900.
Rwy 14: Standard with minimum climb of 220'/NM to 1900.
Rwy 28: 300-1½ or standard with minimum climb of 230'/NM to 900, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1800' prior to DER.
Rwy 32: Standard with minimum climb of 230'/NM to 1700.



NOTE: GOBBY Transition: Right turn at GOBBY NA for aircraft required FL240 and above.
NOTE: HENLY Transition: Right turn at HENLY NA for aircraft required FL240 and above.

NOTE: Chart not to scale. (CONTINUED ON FOLLOWING PAGE)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 10: Climb on heading 100° or as assigned by ATC for RADAR vectors to SAT VORTAC, thence...

TAKEOFF RUNWAY 14: Climb on heading 142° or as assigned by ATC for RADAR vectors to SAT VORTAC, thence

TAKEOFF RUNWAY 28: Climb on heading 280° or as assigned by ATC for RADAR vectors to SAT VORTAC, thence

TAKEOFF RUNWAY 32: Climb on heading 322° or as assigned by ATC for RADAR vectors to SAT VORTAC, thence

. . . . on transition/route. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

GOBBY TRANSITION (ALAMO5.GOBBY): From over SAT VORTAC on SAT R-002 to GOBBY.

GOOCH SPRINGS TRANSITION (ALAMO5.AGJ): From over SAT VORTAC on SAT R-002 to GOBBY, then on SAT R-002 and AGJ R-185 to AGJ VORTAC.

HENLY TRANSITION (ALAMO5.HENLY): From over SAT VORTAC on SAT R-359 to HENLY.

JUMBO TRANSITION (ALAMO5.JUMBO): From over SAT VORTAC on SAT R-359 to JUMBO.

PROTOTYPE-NOT FOR NAVIGATION

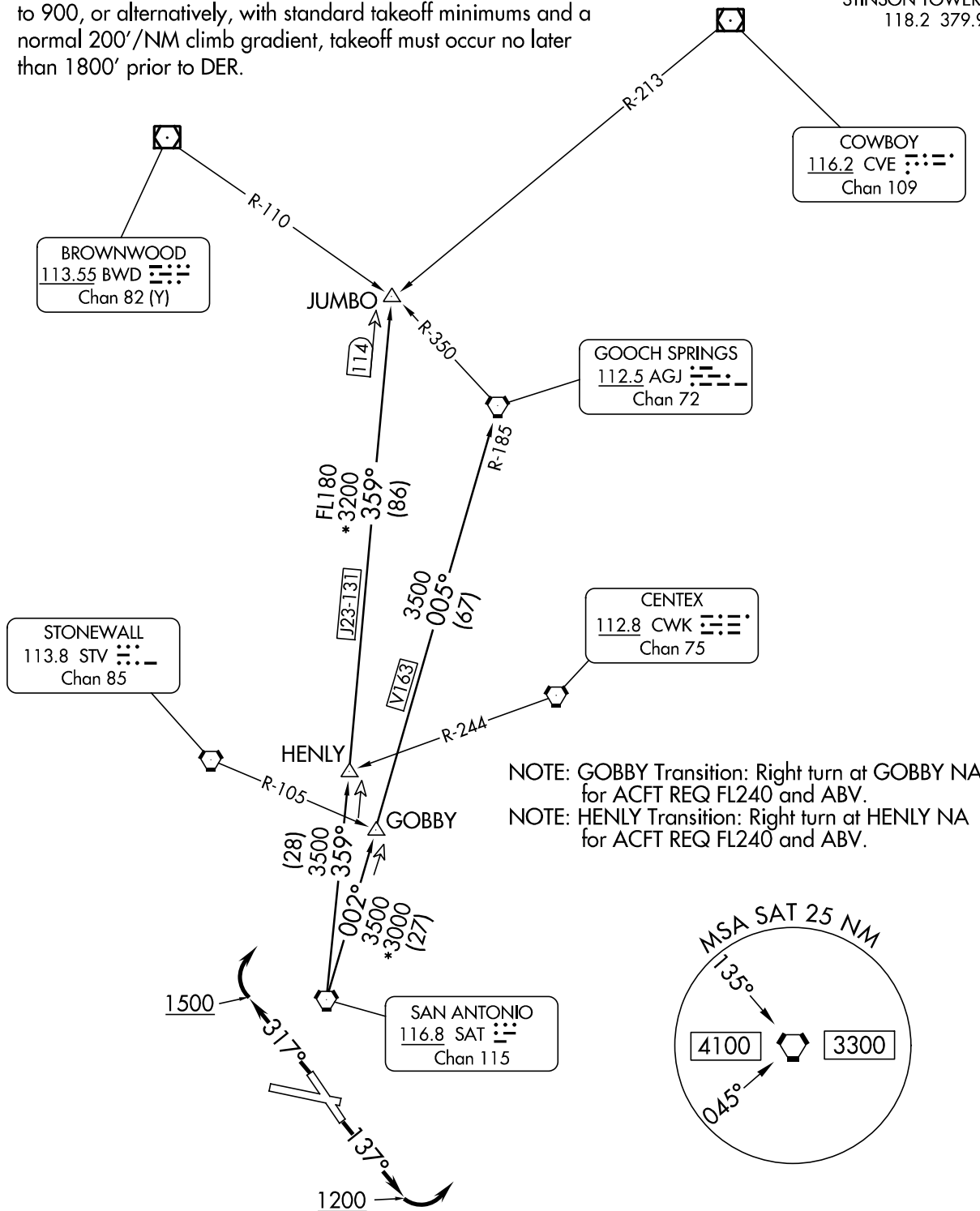
ALAMO FOUR DEPARTURE

**TOP ALTITUDE:
ASSIGNED BY ATC**

SAN ANTONIO DEP CON	
125.7	290.225
ATIS	128.8
CLNC DEL (When twr closed)	121.7
GND CON	121.7 379.9
STINSON TOWER ★	118.2 379.9

OLD

Rwy 9: Standard with minimum climb of 230'/NM to 1900.
Rwy 27: 300-1 $\frac{5}{8}$ or standard with minimum climb of 225'/NM to 900, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1800' prior to DER.



NOTE: GOBBY Transition: Right turn at GOBBY NA
for ACFT REQ FL240 and ABV.
NOTE: HENLY Transition: Right turn at HENLY NA
for ACFT REQ FL240 and ABV.

NOTE: Chart not to scale

(CONTINUED ON FOLLOWING PAGE)

SC-3, 28 NOV 2024 to 26 DEC 2024

SC-3, 28 NOV 2024 to 26 DEC 2024



DEPARTURE ROUTE DESCRIPTION

OLD

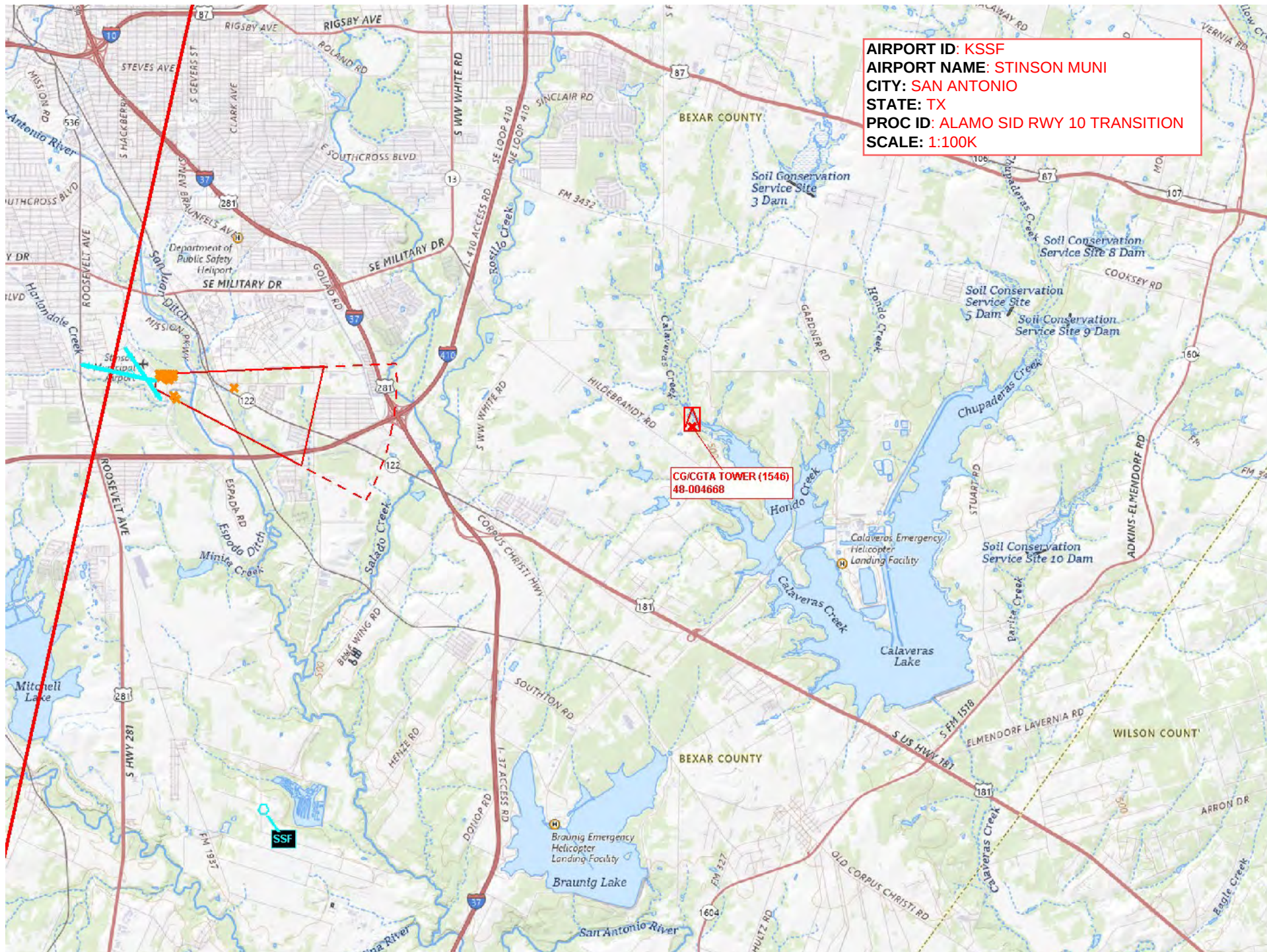
- TAKEOFF RUNWAYS 9, 27: Climb on assigned heading for RADAR vectors to SAT VORTAC, thence...
- TAKEOFF RUNWAY 14: Climb on heading 137° to 1200 before turning left for RADAR vectors to SAT VORTAC, thence...
- TAKEOFF RUNWAY 32: Climb on heading 317° to 1500 before turning right for RADAR vectors to SAT VORTAC, thence...

...on transition/route. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

- GOBBY TRANSITION (ALAMO4.GOBBY): From over SAT VORTAC on SAT R-002 to GOBBY.
- GOOCH SPRINGS TRANSITION (ALAMO4.AGJ): From over SAT VORTAC on SAT R-002 to GOBBY, then on SAT R-002 and AGJ R-185 to AGJ VORTAC.
- HENLY TRANSITION (ALAMO4.HENLY): From over SAT VORTAC on SAT R-359 to HENLY.
- JUMBO TRANSITION (ALAMO4.JUMBO): From over SAT VORTAC on SAT R-359 to JUMBO.

SC-3, 28 NOV 2024 to 26 DEC 2024

SC-3, 28 NOV 2024 to 26 DEC 2024

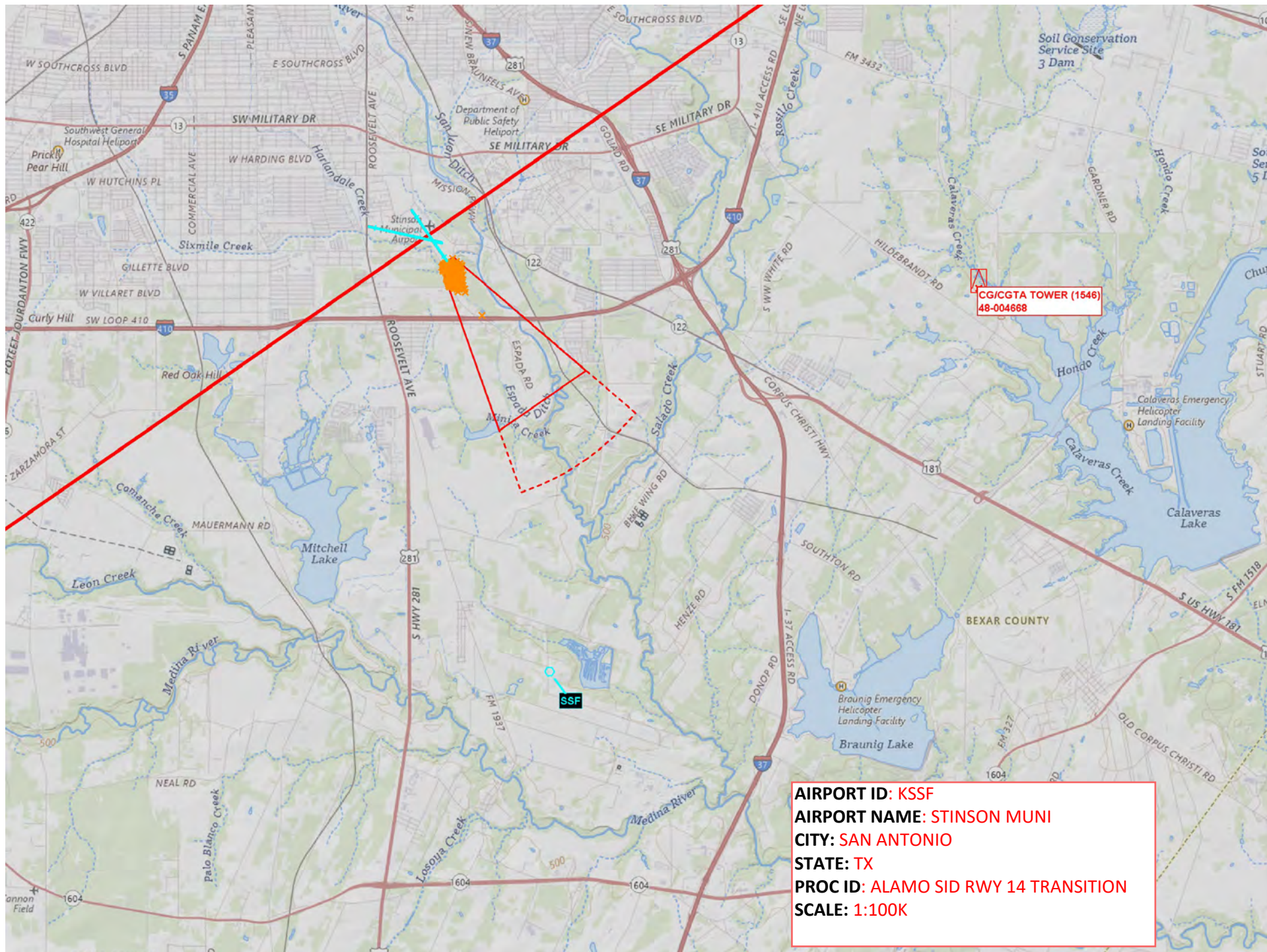


AIRPORT ID: KSSF
AIRPORT NAME: STINSON MUNI
CITY: SAN ANTONIO
STATE: TX
PROC ID: ALAMO SID RWY 10 TRANSITION
SCALE: 1:100K

CG/CGTA TOWER (1546)
48-004668

SSF





AIRPORT ID: KSSF
AIRPORT NAME: STINSON MUNI
CITY: SAN ANTONIO
STATE: TX
PROC ID: ALAMO SID RWY 14 TRANSITION
SCALE: 1:100K

CG/CGTA TOWER (1546)
48-004668



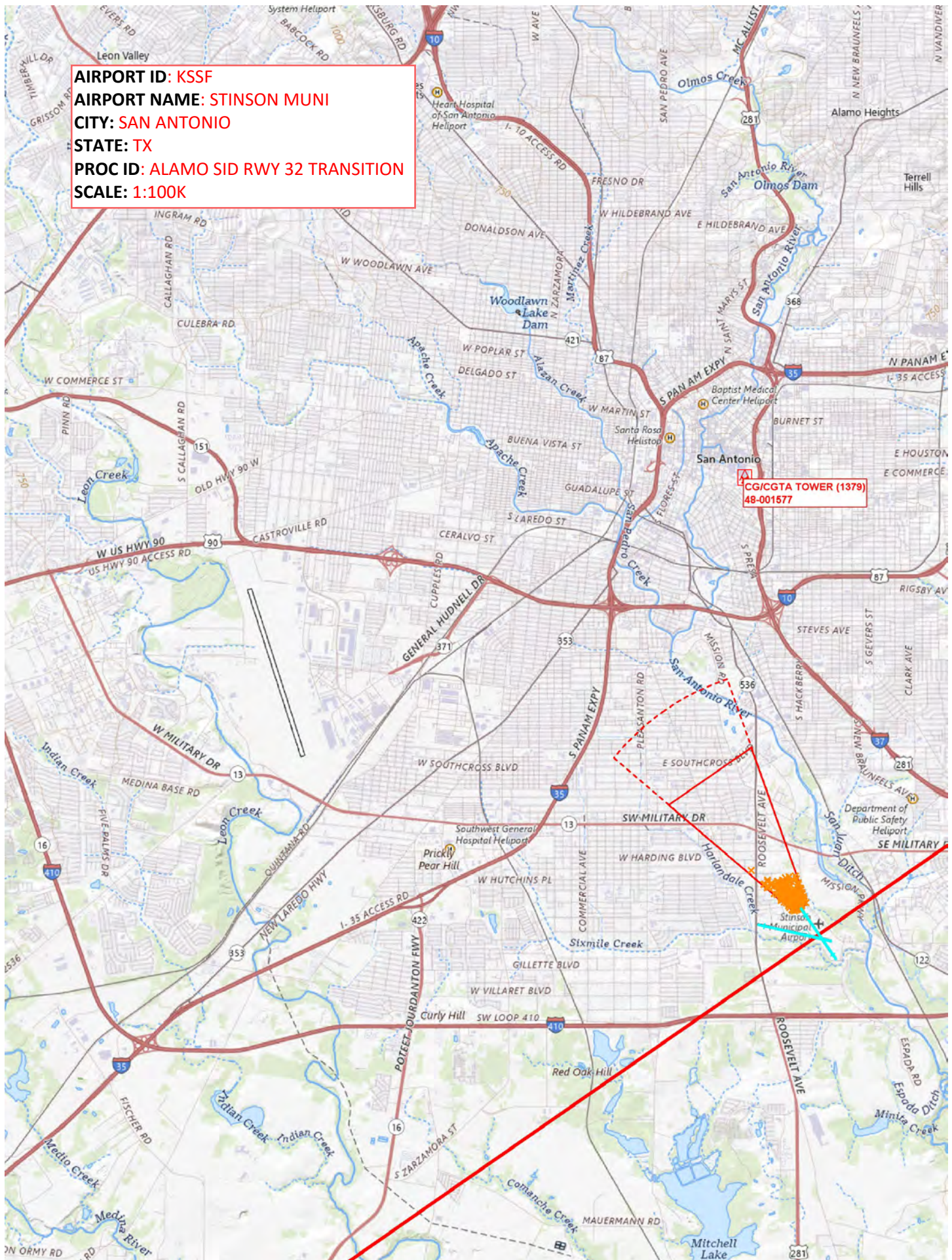
AIRPORT ID: KSSF
AIRPORT NAME: STINSON MUNI
CITY: SAN ANTONIO
STATE: TX
PROC ID: ALAMO SID RWY 28 TRANSITION
SCALE: 1:100K

CG/CGTA/CEIL/VIS TANK
(802)Ô8-005287



AIRPORT ID: KSSF
AIRPORT NAME: STINSON MUNI
CITY: SAN ANTONIO
STATE: TX
PROC ID: ALAMO SID RWY 32 TRANSITION
SCALE: 1:100K

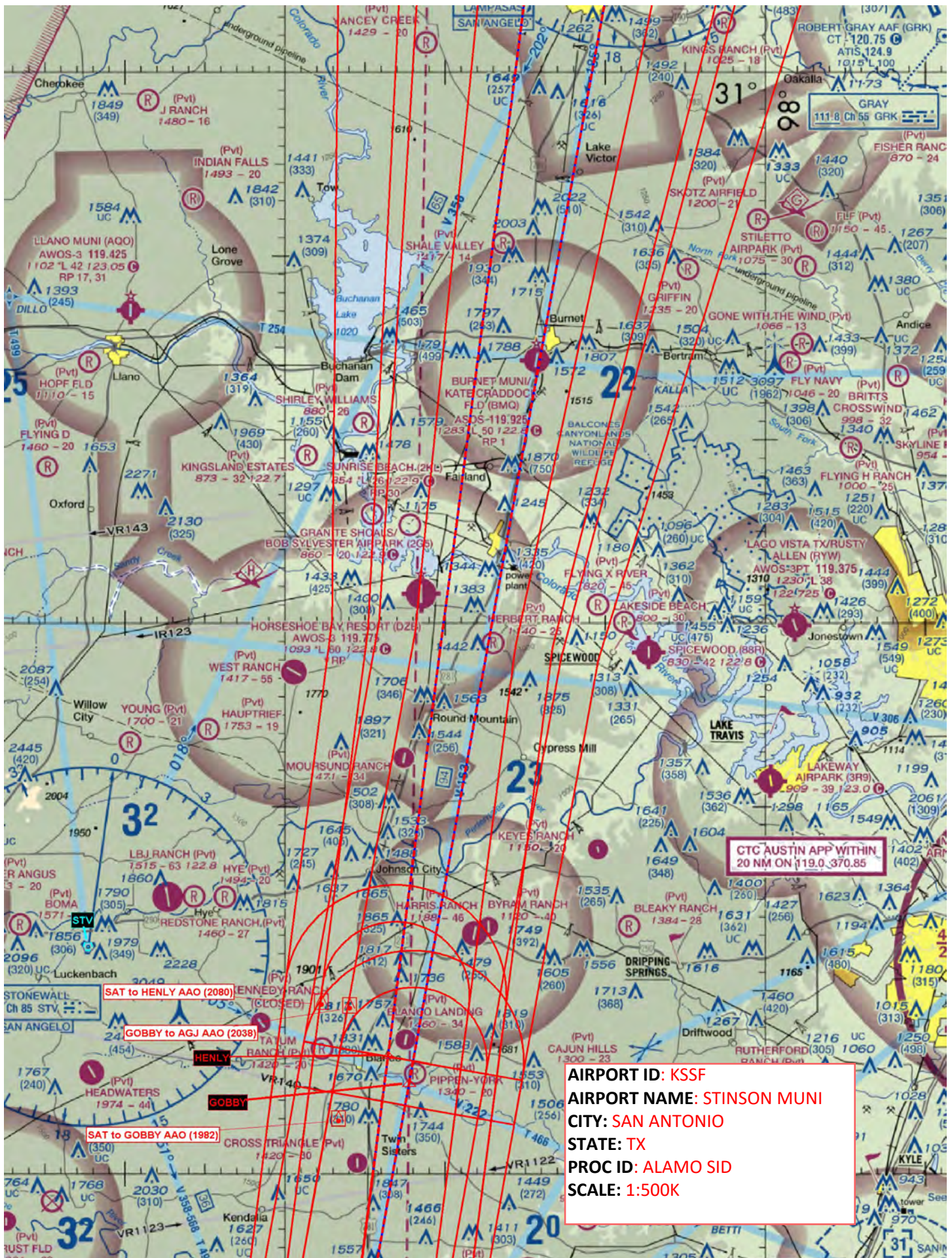
CG/CGTA TOWER (1379)
48-001577





SCALE: 1:500K

SAT to JUMBO WINDMILL (2138)
48-186880



AIRPORT ID: KSSF
AIRPORT NAME: STINSON MUNI
CITY: SAN ANTONIO
STATE: TX
PROC ID: ALAMO SID
SCALE: 1:500K

