

Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: STAR	Estimated Chart Date: 10/31/2024	APWS Task ID: 57A0866F127D42539CE0BDAE19B30F99	APWS Project ID: 44A70B5DEB784F6982D4632606F02EA7
Procedure: STAR KIDDZ FIVE (RNAV) HOUSTON TX KHOU		Enroute: YES	Specialist: Young, Silvia		Agreement Number:
Airport ID: KHOU			Airport City: HOUSTON		State: TX
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			
<div>Procedure Comments:</div> <div>APPROVAL LETTER (S):</div> <div>1. ZHU is requesting a Letter of Approval to utilize the altitudes at PHEBE (BLOCK ALTITUDE OF FL220 TO FL260) to JAAES (BLOCK ALTITUDE OF 17000MSL TO FL200) resulting in a descent gradient of 386.88 ft/nm as developed for the KIDDZ STAR.</div> <div>2. ZHU is requesting a Letter of Approval to utilize a leg length of 5.41 NM for the AAHZZ to GLUVR segment as designed with altitudes, and speed restrictions for publication for the KIDDZ STAR.</div> <div>3. ZHU is requesting a Letter of Approval to utilize a leg length of 14.68 NM for the GLUVR to CRSTY segment as designed with altitudes, and speed restrictions for publication for the KIDDZ STAR.</div> <div>CONTACT CASIMIR TABAKA 405.202.7857</div> <div><div>Digitally signed by</div><div>JOSEPH L ZEDER</div><div>Sep 04, 2024</div></div> <div><div>QUALITY 35 CHECKED</div><div>QUALITY 41 CHECKED</div></div>					

FIPC DME/DME FORM						
PROCEDURE: STAR KIDDZ FIVE (RNAV) HOUSTON TX KHOU			AIRPORT NAME: WILLIAM P HOBBY		AIRPORT ID: KHOU	SPECIAL CONTROL NO: OG-07-317-24
FAC ID: KIDDZ5		CITY: HOUSTON			ST: TX	ORIG CHART DATE: 10/31/2024
DFL TYPE: PROC/D	THIRD PARTY: <input type="checkbox"/> YES	EST. TIME ON SITE: 1.0	REIMB. NUMBER: AC0721	PTS TASK ID: 57A0866F127D42539CE0BDAE19B30F99		
PREFLIGHT NOTES						
REVIEWER: jeffrey a findley					DATE: 08/22/2024	
COMMENTS:					CHECK ONE:	
					<input checked="" type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT	
					<div style="display: flex; justify-content: space-between;"> YES NO </div>	
					CPV COMPLETE?	
					X	
PROCEDURE RESULTS						
INSPECTION DATE: 08/22/2024	CREW #: VN450	N #: N86	INSTRUMENT PROCEDURE STATUS: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT		ARINC CODING: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT	
FLIGHT INSPECTOR SIGNATURE: jeffrey a findley @ 08/22/2024 18:43			PRINTED NAME: FINDLEY, JEFFREY ALLEN			NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
FLIGHT INSPECTOR REMARKS:						
DME/DME STATUS: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT		SPECIALIST SIGNATURE: steven s-ctr rager @ 08/26/2024 14:24			PRINTED NAME: Steven Rager	
SPECIALIST REMARKS: Post Flight DME/DME Analysis has been performed on the KHOU KIDDZ STAR with satisfactory results. All modeled DME's and ESV's were recorded by Flight Inspection or certified by TARGETS and suitable for DME/DME/IRU operations.						
IN-FLIGHT OBSTACLE REPORT						
OBSTRUCTION ID #:	COORDINATES OR LOCATION:	GNSS ALTITUDE (MSL):	BAROMETRIC ALTITUDE (MSL):	HEIGHT ABOVE GROUND LEVEL:		

FIPC DME/DME FORM						
PROCEDURE: STAR KIDDZ FIVE (RNAV) HOUSTON TX KHOU			AIRPORT NAME: WILLIAM P HOBBY		AIRPORT ID: KHOU	SPECIAL CONTROL NO: OG-07-317-24
FAC ID: KIDDZ5		CITY: HOUSTON			ST: TX	ORIG CHART DATE: 10/31/2024
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PREFLIGHT NOTES						
REVIEWER: jeffrey a findley					DATE: 08/22/2024	
COMMENTS:					CHECK ONE:	
					<input checked="" type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT	
						YES
					CPV COMPLETE?	X
PROCEDURE RESULTS						
INSPECTION DATE: 08/22/2024	CREW #: VN450	N #: N86	INSTRUMENT PROCEDURE STATUS: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT		ARINC CODING: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT	
FLIGHT INSPECTOR SIGNATURE: jeffrey a findley @ 08/22/2024 18:43			PRINTED NAME: FINDLEY, JEFFREY ALLEN			NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
FLIGHT INSPECTOR REMARKS:						
DME/DME STATUS: <input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	SPECIALIST SIGNATURE:				PRINTED NAME:	
SPECIALIST REMARKS:						
IN-FLIGHT OBSTACLE REPORT						
OBSTRUCTION ID #:	COORDINATES OR LOCATION:	GNSS ALTITUDE (MSL):	BAROMETRIC ALTITUDE (MSL):	HEIGHT ABOVE GROUND LEVEL:		



Federal Aviation Administration

Memorandum

Date: March 01, 2024
To: Wayne Eckenrode, Airspace Manager CSA PBN Team
From: Dave Mullinax, ZHU District Support Manager, Airspace,
Planning & Requirements
Prepared by: William Roth, Senior ATC Specialist, NAVTAC Support
Subject: Letter of Approval Request KIDDZ STAR, KHOU

KHOU KIDDZ Standard Terminal Arrival Route (STAR): PHEBE/JAAES Descent Gradient.

Currently, FAAO 8260.3E, PARA 2-2-8a (1), The STAR's maximum permissible descent gradient is 330 ft/nm (approximately 3.11 degrees). PHEBE has a restriction of BLOCK ALTITUDE OF FL220 TO FL260, and JAAES has a restriction of BLOCK ALTITUDE OF 17000MSL TO FL200. The descent gradient (386.88 ft/nm) from PHEBE to JAAES is greater than the maximum permissible gradient allowed. Flight Standards approval is required.

The KIDDZ STAR serves William P. Hobby Airport. The altitude restrictions on the KIDDZ STAR are designed to separate aircraft on the procedure from either adjacent airspace or other traffic. The deviation from Descent Gradient criteria does not introduce any new risk into the system. Additionally, the procedure does not have any reported issues by either air traffic control or the airline industry since implementation.

Therefore, ZHU is requesting a Letter of Approval to utilize the altitudes at PHEBE (BLOCK ALTITUDE OF FL220 TO FL260) to JAAES (BLOCK ALTITUDE OF 17000MSL TO FL200) resulting in a descent gradient of 386.88 ft/nm as developed for the KIDDZ STAR

Sincerely,



Federal Aviation Administration

Memorandum

Date: March 01, 2024
To: Wayne Eckenrode, FAA CSA OSG PBN Co-Lead
From: Dave Mullinax, ZHU Airspace, Planning & Requirements
Prepared by: William Roth, Senior ATC Specialist, NAVTAC Support
Subject: Letter of Approval Request KIDDZ STAR, KHOU

KHOU KIDDZ Standard Terminal Arrival Route (STAR): AAHZZ to GLUVR Deceleration Distance.

Currently, FAAO 8260.3E, PARA 2-2-10 prescribes allowable deceleration distances for STAR development. The length of the leg from AAHZZ to GLUVR is 5.41 NM. This leg must be at least 7.14 NM long due to deceleration from 280.0 KIAS to 240.0 KIAS between 10,000 feet MSL and 9,000 feet MSL. Flight Standards approval is required.

The KIDDZ STAR serves William P. Hobby Airport. The altitude and speed restrictions on the KIDDZ STAR are designed to separate aircraft on the procedure from either adjacent airspace or other traffic. Additionally, the procedure does not have any reported issues by either air traffic control or the airline industry since implementation.

Industry flight data shows aircraft will begin the deceleration phase prior to AAHZZ to cross GLUVR at 240 KIAS. The deceleration of aircraft is not dependent upon the distance between two waypoints, but rather the distance between two speed restrictions. Industry has verified the leg lengths designed for the KIDDZ STAR are sufficient to meet both the altitude and speed restrictions.

Therefore, ZHU is requesting a Letter of Approval to utilize a leg length of 5.41 NM for the AAHZZ to GLUVR segment as designed with altitudes, and speed restrictions for publication.

Sincerely,



Federal Aviation Administration

Memorandum

Date: March 01, 2024
To: Wayne Eckenrode, FAA CSA OSG PBN Co-Lead
From: Dave Mullinax, ZHU Airspace, Planning & Requirements
Prepared by: William Roth, Senior ATC Specialist, NAVTAC Support
Subject: Letter of Approval Request KIDDZ STAR, KHOU

KHOU KIDDZ Standard Terminal Arrival Route (STAR): GLUVR to CRSTY Deceleration Distance.

Currently, FAAO 8260.3E, PARA 2-2-10 prescribes allowable deceleration distances for STAR development. The length of the leg from GLUVR to CRSTY is 14.68 NM. This leg must be at least 15.0 NM long due to deceleration from 240.0 KIAS to 210.0 KIAS between 9,000 feet MSL and 6,000 feet MSL. Flight Standards approval is required.

The KIDDZ STAR serves William P. Hobby Airport. The altitude and speed restrictions on the KIDDZ STAR are designed to separate aircraft on the procedure from either adjacent airspace or other traffic. Additionally, the procedure does not have any reported issues by either air traffic control or the airline industry since implementation.

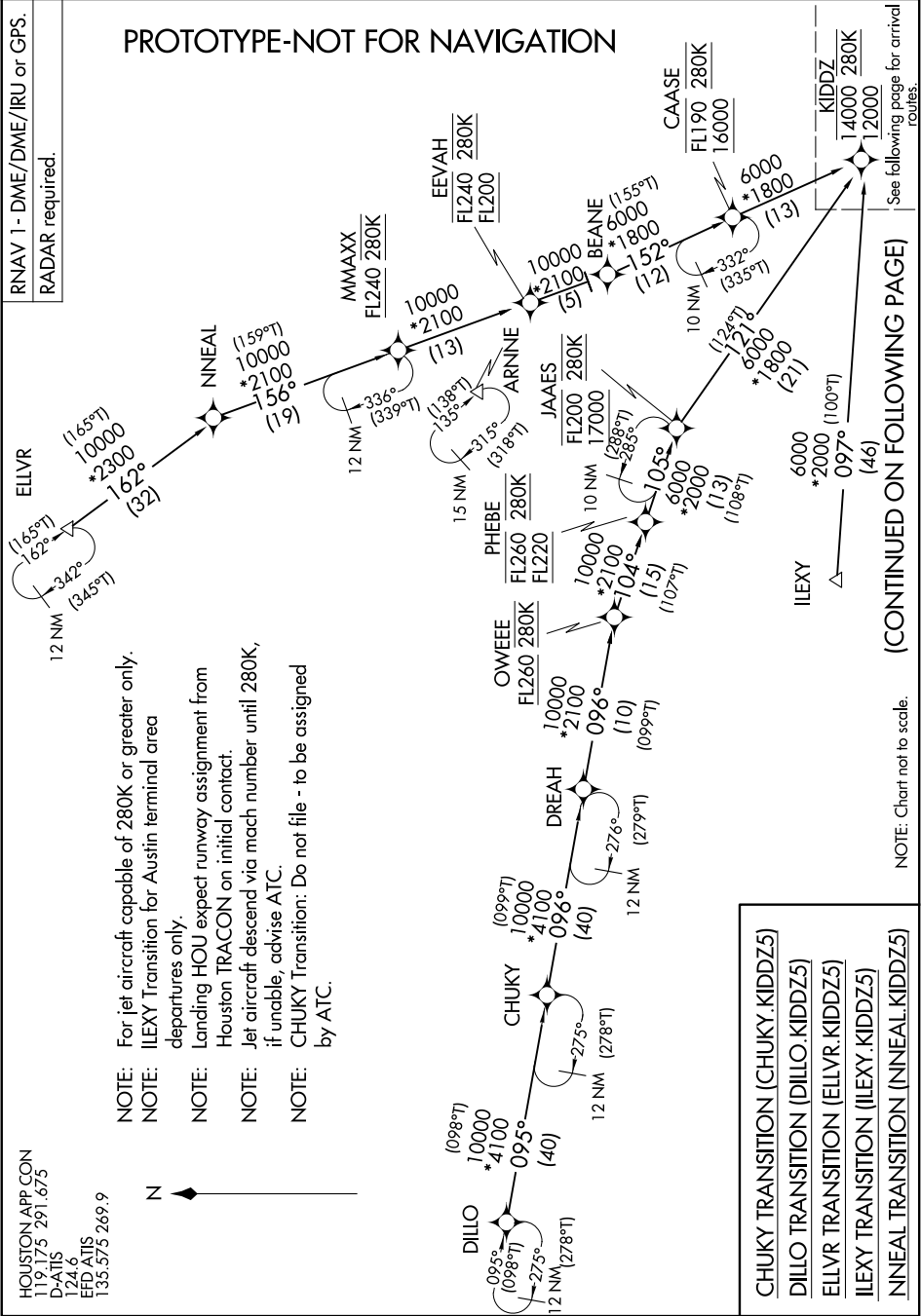
Industry flight data shows aircraft will begin the deceleration phase prior to GLUVR to cross CRSTY at 210 KIAS. The deceleration of aircraft is not dependent upon the distance between two waypoints, but rather the distance between two speed restrictions. Industry has verified the leg lengths designed for the KIDDZ STAR are sufficient to meet both the altitude and speed restrictions.

Therefore, ZHU is requesting a Letter of Approval to utilize a leg length of 14.68 NM for the GLUVR to CRSTY segment as designed with altitudes, and speed restrictions for publication.

Sincerely,

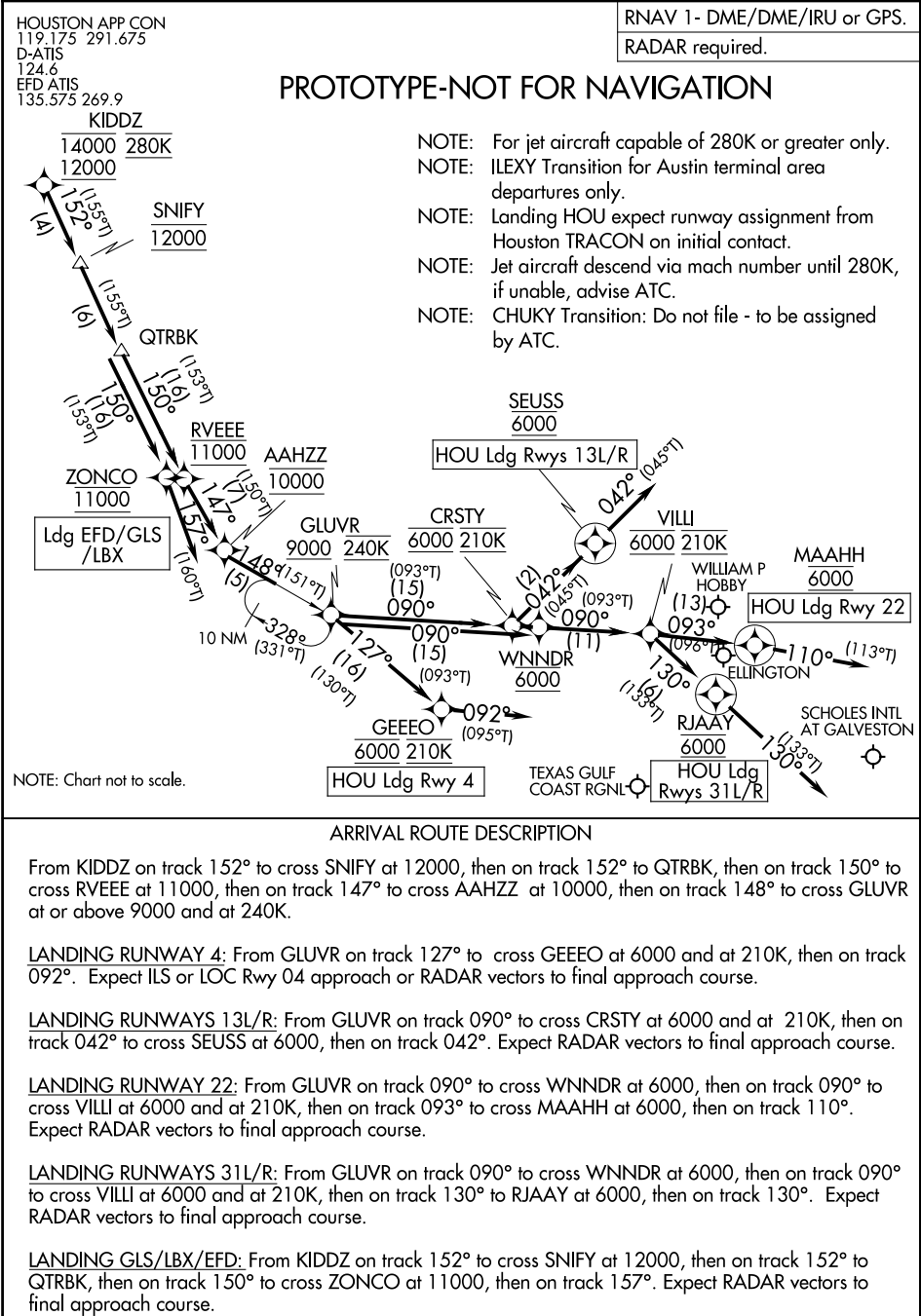
KIDZ FIVE ARRIVAL (RNAV) Transition Routes

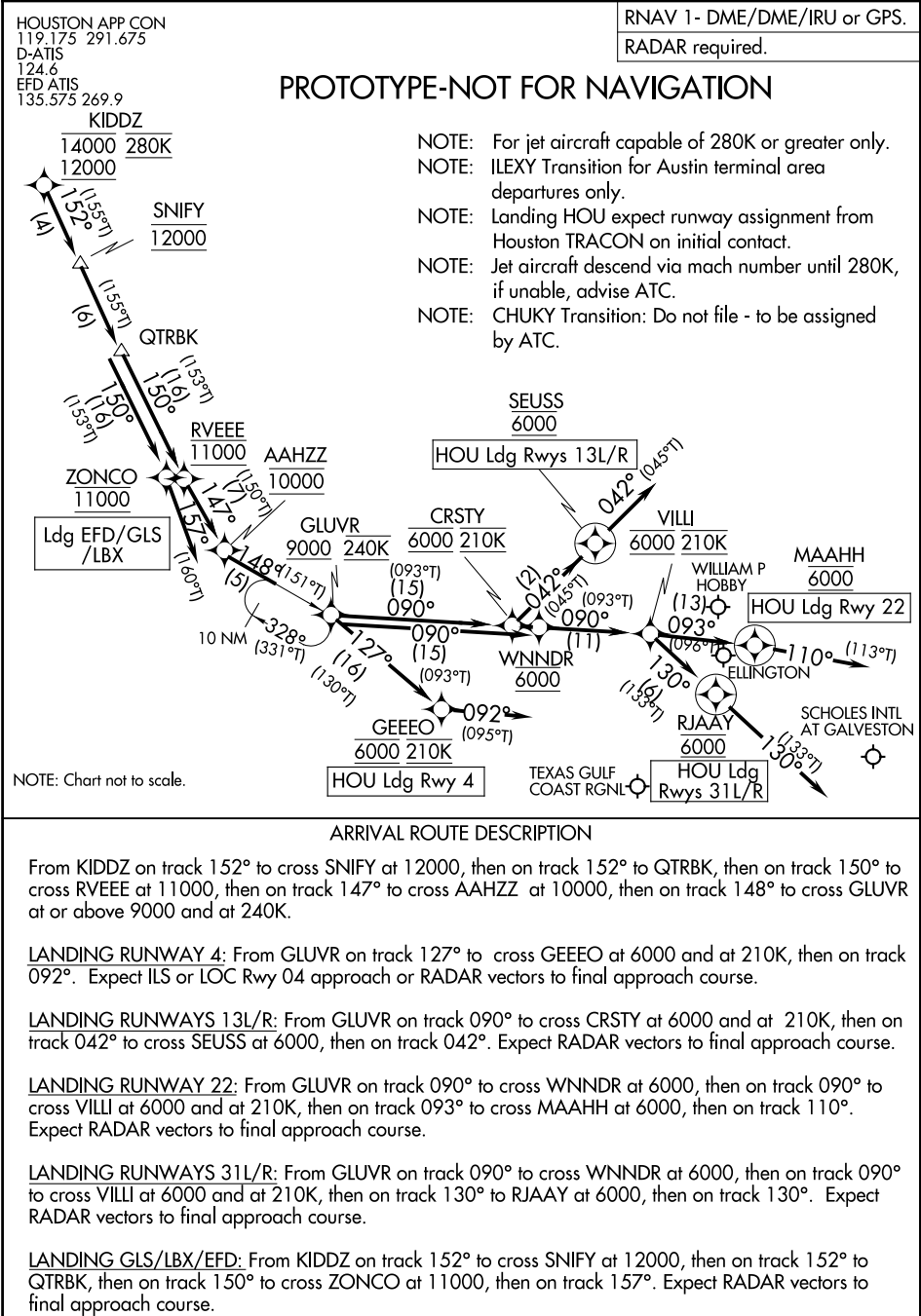
HOUSTON, TEXAS



KIDZ FIVE ARRIVAL (RNAV) Transition Routes

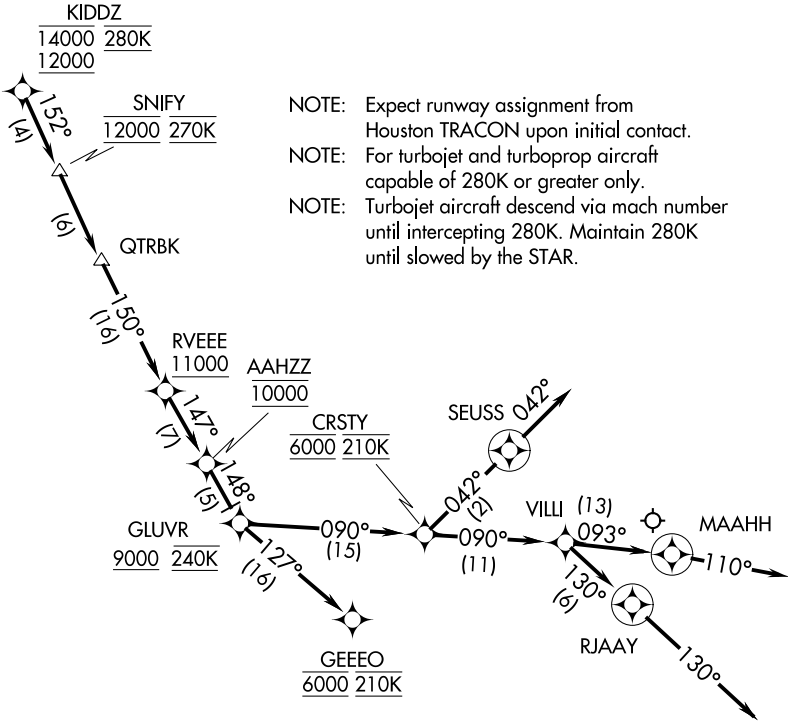
HOUSTON, TEXAS





HOUSTON APP CON
119.175 291.675
D-ATIS
124.6

RNAV 1- DME/DME/IRU or GPS.
RADAR required.



SC-5, 21 MAR 2024 to 18 APR 2024

SC-5, 21 MAR 2024 to 18 APR 2024

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

From KIDDZ on track 152° to cross SNIFY at 12000 and at 270K, then on track 152° to QTRBK, then on track 150° to cross RVEEE at or above 11000, then on track 147° to cross AAHHZ at 10000, then on track 148° to cross GLUVR at or above 9000 and at 240K.

LANDING RUNWAY 4: From GLUVR on track 127° to cross GEEEO at 6000 and at 210K. Expect ILS or LOC Rwy 04 approach.

LANDING RUNWAYS 13L/R: From GLUVR on track 090° to cross CRSTY at 6000 and at 210K, then on track 042° to SEUSS, then on track 042°. Expect RADAR vectors to final approach course.

LANDING RUNWAY 22: From GLUVR on track 090° to cross CRSTY at 6000 and at 210K, then on track 090° to VILLI, then on track 093° to MAAHH, then on track 110°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 31L/R: From GLUVR on track 090° to cross CRSTY at 6000 and at 210K, then on track 090° to VILLI, then on track 130° to RJAAY, then on track 130°. Expect RADAR vectors to final approach course.

KHOU
WILLIAM P HOBBY, TX
STAR KIDDZ FIVE
1:1,500,000
ELLVR TRANSITION

NNEAL
WINDMILL (1260) 48-176726

MMAXX
TOWER (898) 48-023038

CAASE Holding
TOWER (1022) 48-003334

EEVAH
TOWER (1022) 48-003334

BEANE
TOWER (1022) 48-003334

CAASE
TOWER (654) 48-001438

KIDDZ
TOWER (685) 48-009403

RVEEE
TOWER (689) 48-007772

QTRBK
TOWER (689) 48-007772

MAAHH
TOWER (352) 48-007949

SNIFY
TOWER (565) 48-010805

ZONCO
TOWER (689) 48-007772

WNDR
TOWER (465) 48-010686

AAHZZ
TOWER (527) 48-012469

GLUVR
TOWER (527) 48-012469

CRSTY
TOWER (465) 48-010686

SEUSS
TOWER (331) 48-024191

GLUVR Holding
TOWER (694) 48-005675

GEEEO
TOWER (694) 48-005675

VILLI
TOWER (608) 48-001285

RJAAY AAO (309)

KHOU
WILLIAM P HOBBY, TX
STAR KIDDZ FIVE
1:500,000
ELLVR TO NNEAL TO MMAXX TO EEVAH
(ELLVR TRANSITION)

ELLVR

NNEAL
WINDMILL (1260) 48-176726

MMAXX
TOWER (898) 48-023038

NNEAL

MMAXX

EEVAH

KHOU
WILLIAM P HOBBY, TX
STAR KIDDZ FIVE
1:500,000
EEVAH TO BEANE TO CAASE TO KIDDZ
(ELLVR TRANSITION)

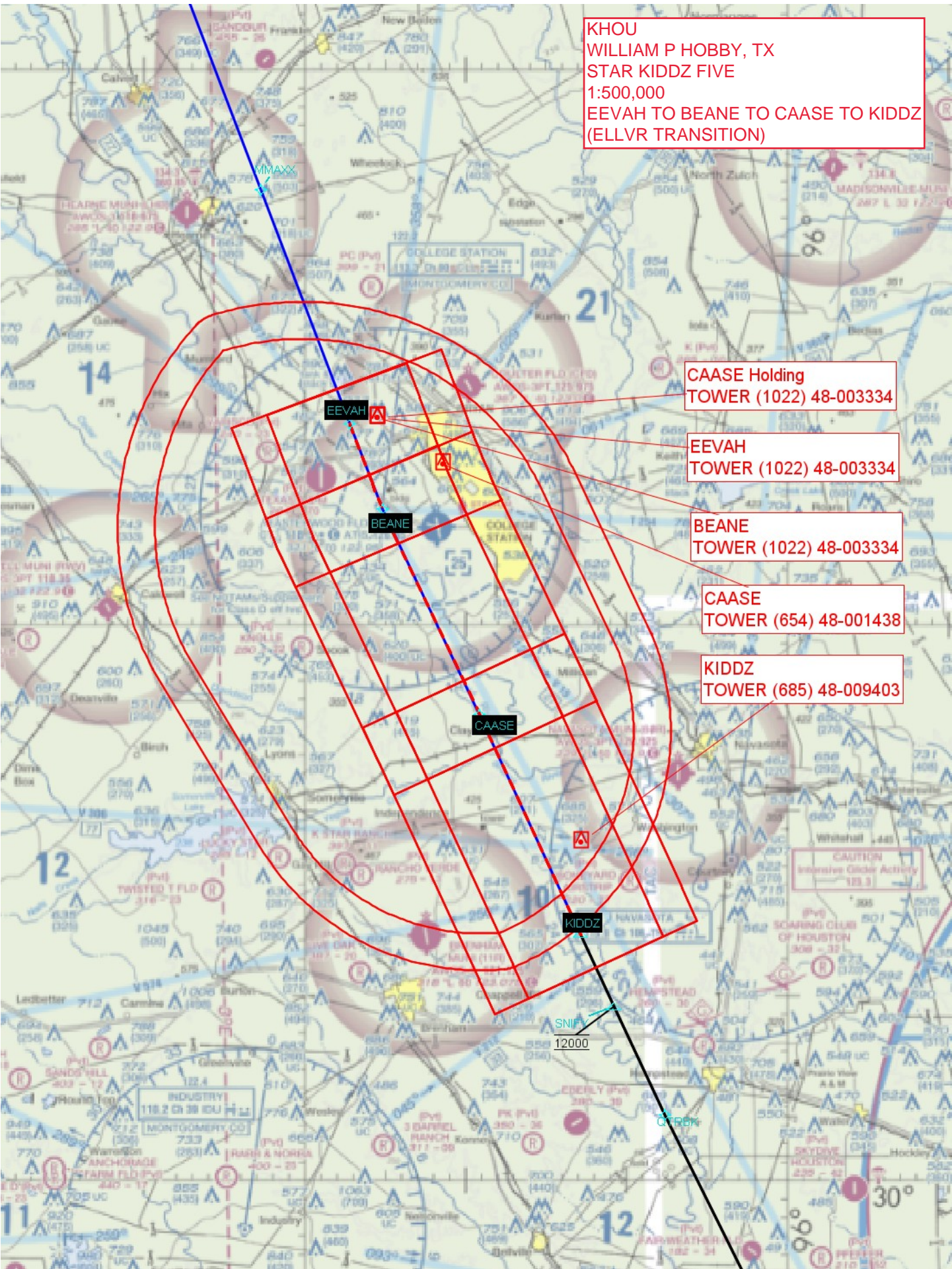
CAASE Holding
TOWER (1022) 48-003334

EEVAH
TOWER (1022) 48-003334

BEANE
TOWER (1022) 48-003334

CAASE
TOWER (654) 48-001438

KIDDZ
TOWER (685) 48-009403



KHOU
WILLIAM P HOBBY, TX
STAR KIDDZ FIVE
1:1,500,000
NNEAL TRANSITION

MMAXX
TOWER (898) 48-023038

CAASE Holding
TOWER (1022) 48-003334

EEVAH
TOWER (1022) 48-003334

BEANE
TOWER (1022) 48-003334

CAASE
TOWER (654) 48-001438

KIDDZ
TOWER (685) 48-009403

RVEEE
TOWER (689) 48-007772

QTRBK
TOWER (689) 48-007772

MAAHH
TOWER (352) 48-007949

SNIFY
TOWER (565) 48-010805

ZONCO
TOWER (689) 48-007772

WNDR
TOWER (465) 48-010686

AAHZZ
TOWER (527) 48-012469

GLUVR
TOWER (527) 48-012469

CRSTY
TOWER (465) 48-010686

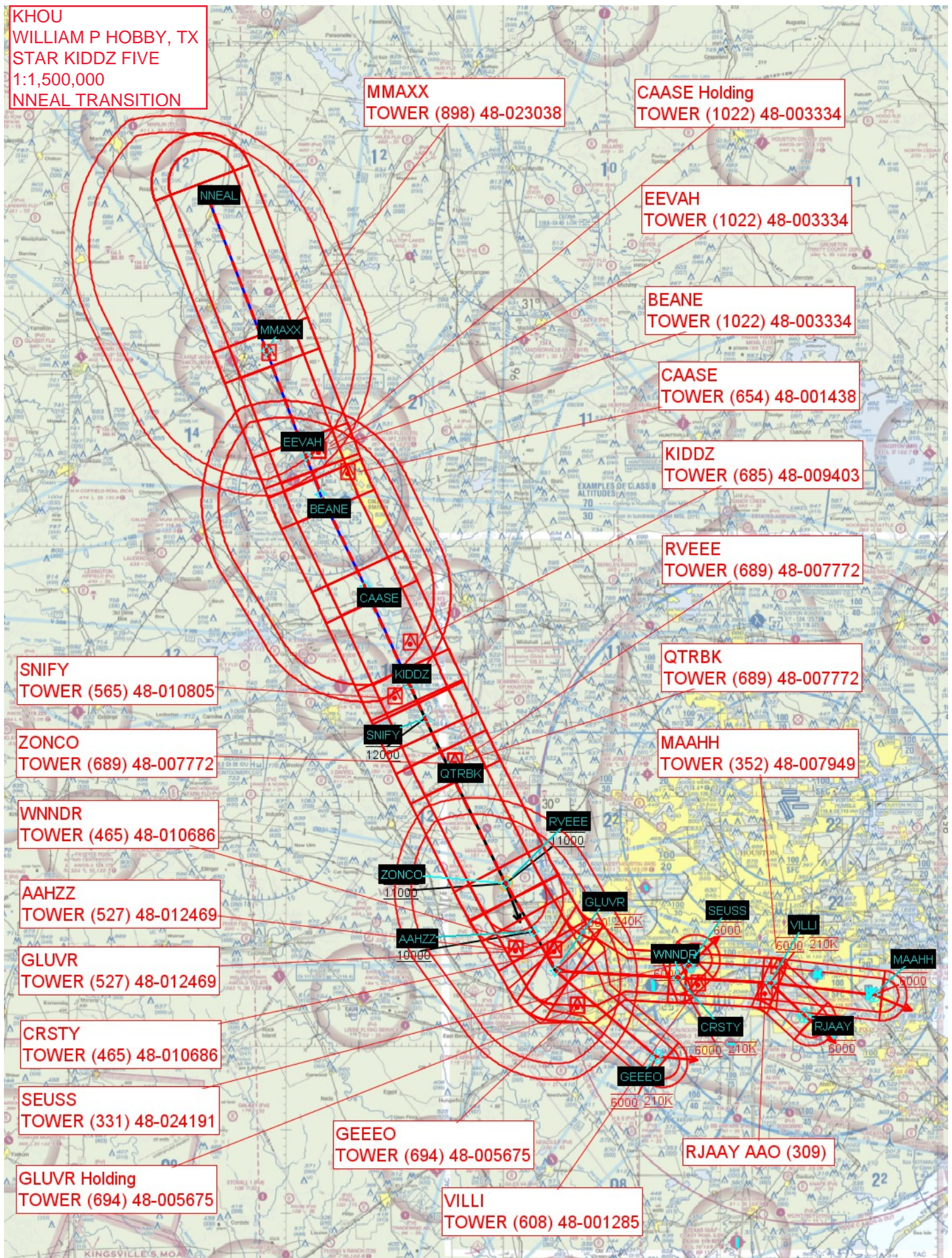
SEUSS
TOWER (331) 48-024191

GLUVR Holding
TOWER (694) 48-005675

GEEEO
TOWER (694) 48-005675

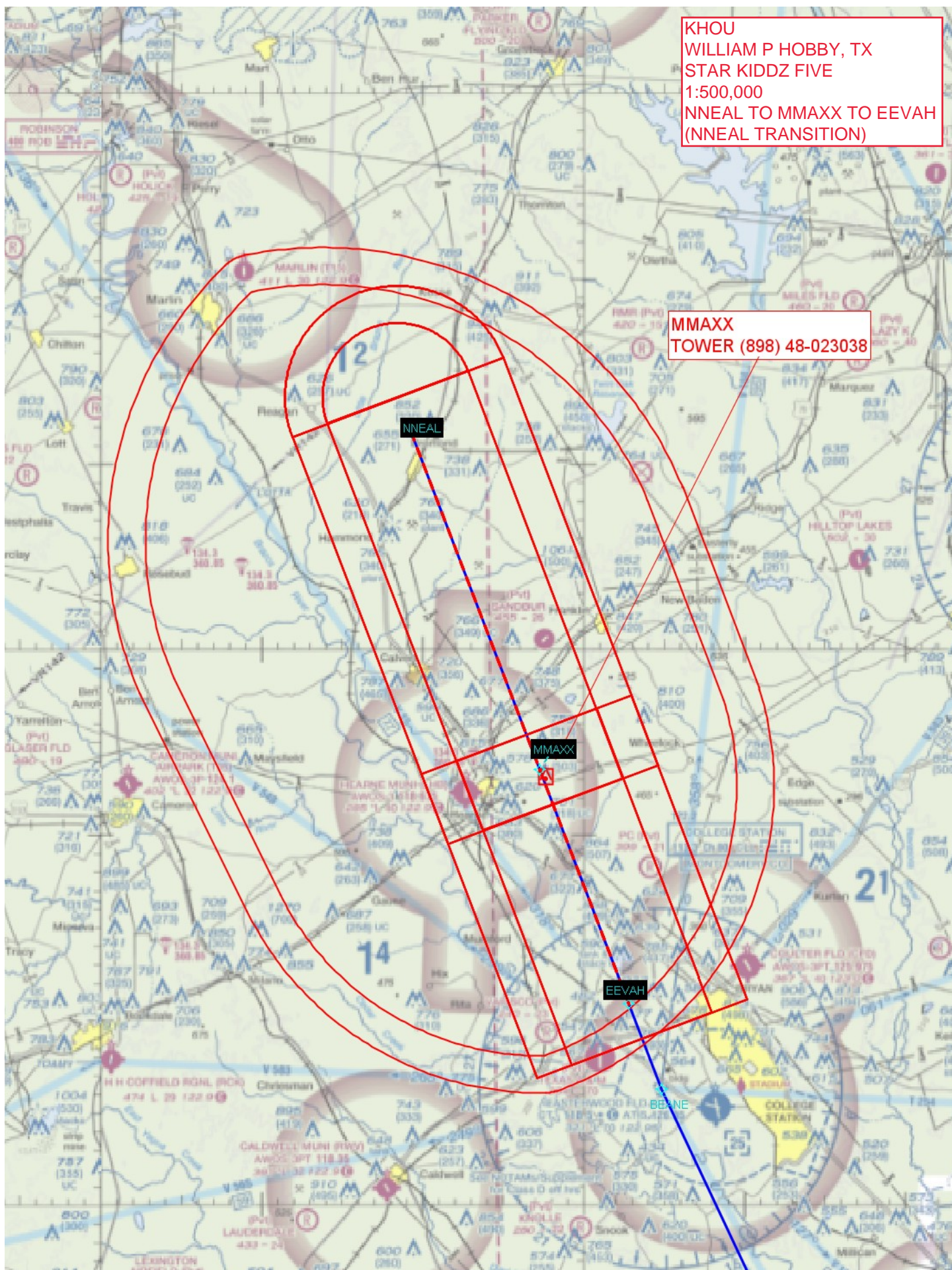
VILLI
TOWER (608) 48-001285

RJAAY AAO (309)



KHOU
WILLIAM P HOBBY, TX
STAR KIDDZ FIVE
1:500,000
NNEAL TO MMAXX TO EEVAH
(NNEAL TRANSITION)

MMAXX
TOWER (898) 48-023038



KHOU
WILLIAM P HOBBY, TX
STAR KIDDZ FIVE
1:500,000
EEVAH TO BEANE TO CAASE TO KIDDZ
(NNEAL TRANSITION)

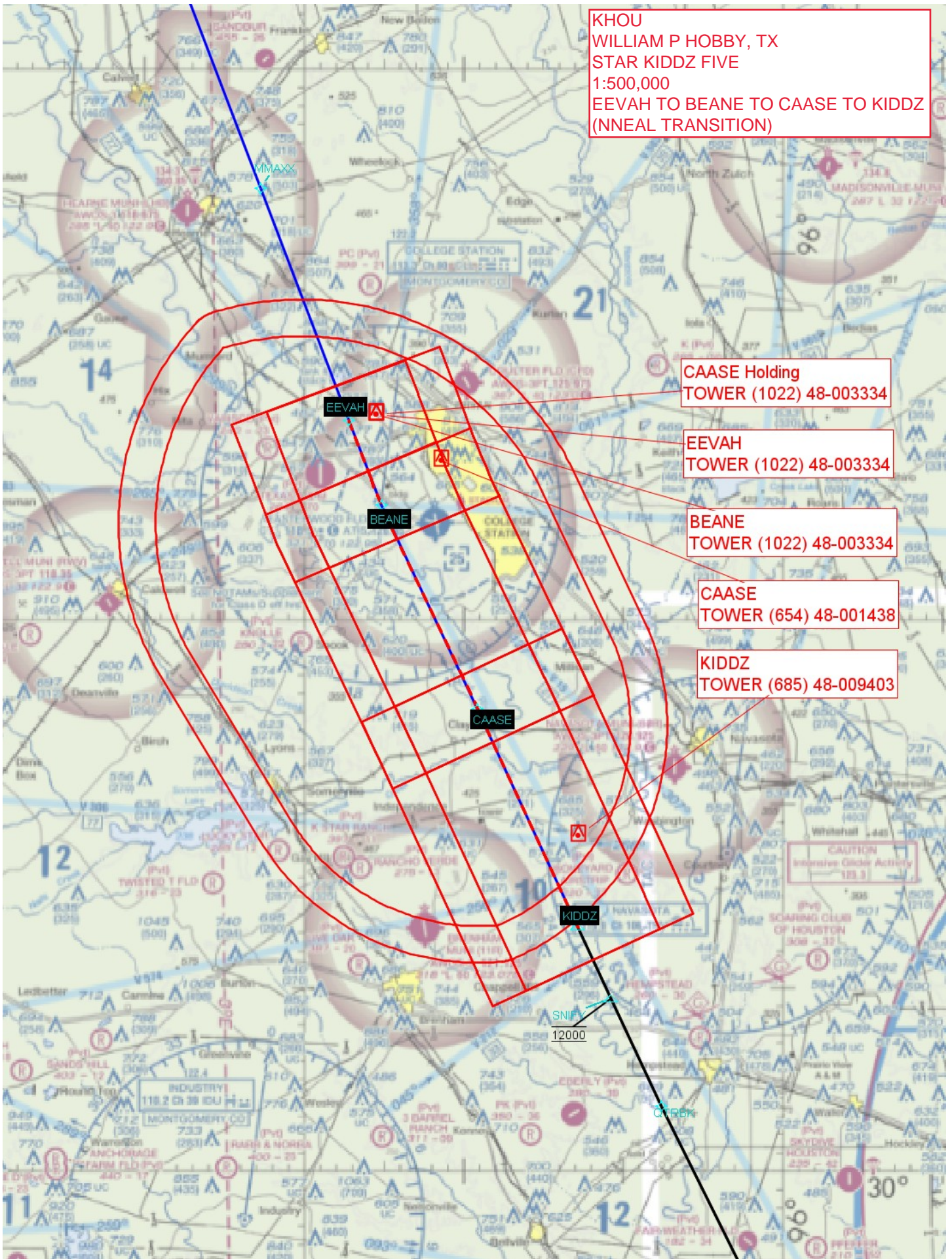
CAASE Holding
TOWER (1022) 48-003334

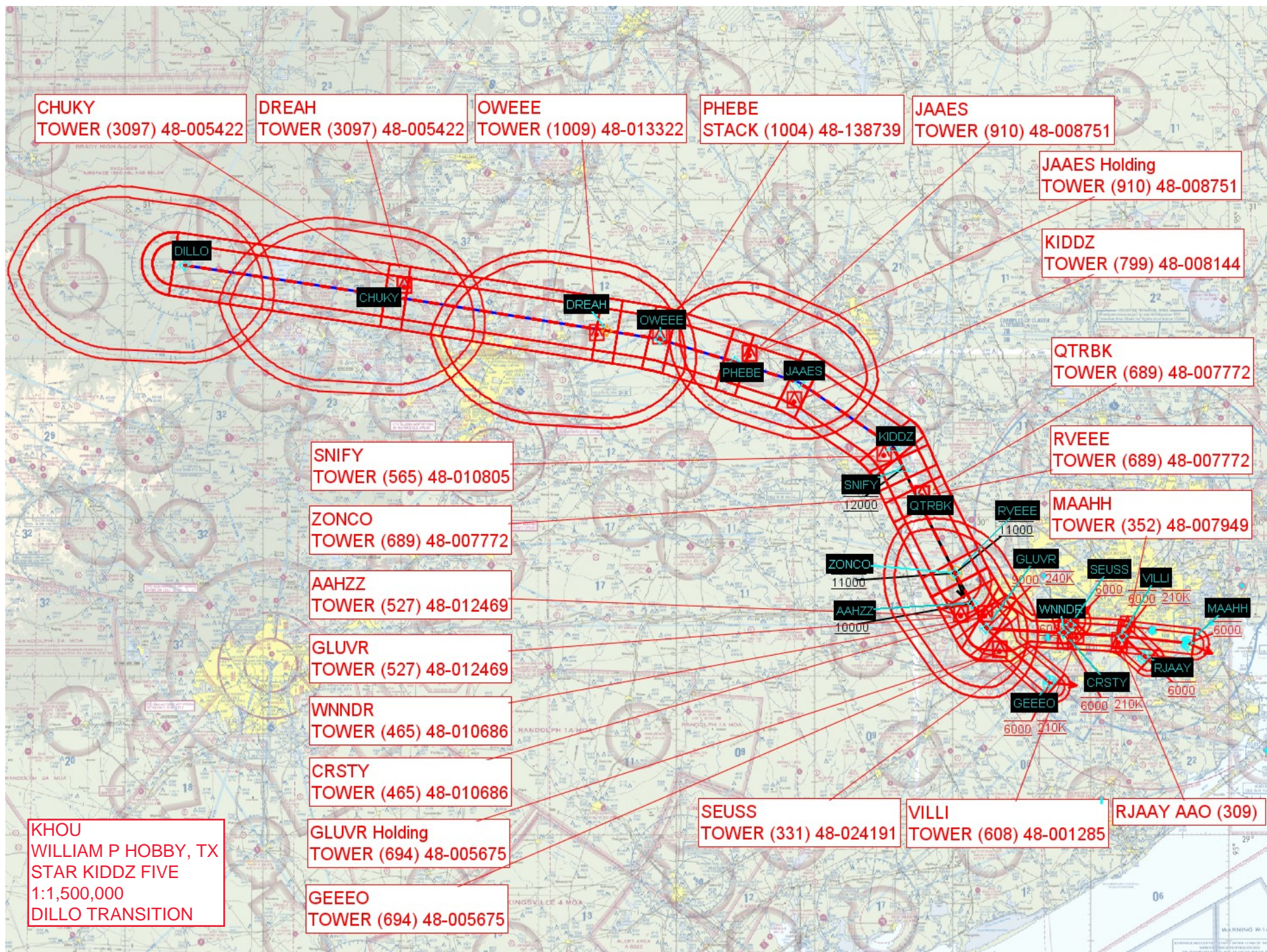
EEVAH
TOWER (1022) 48-003334

BEANE
TOWER (1022) 48-003334

CAASE
TOWER (654) 48-001438

KIDDZ
TOWER (685) 48-009403





KHOU
WILLIAM P HOBBY, TX
STAR KIDDZ FIVE
1:500,000
DILLO TO CHUKY
(DILLO TRANSITION)

CHUKY
TOWER (3097) 48-005422

DREAH
TOWER (3097) 48-005422

DILLO

CHUKY

CTC AUSTIN APF WITHIN
20 NM CM 119.0-119.5

KHOU
WILLIAM P HOBBY, TX
STAR KIDDZ FIVE
1:500,000
CHUKY TO DREAH
(DILLO TRANSITION)

CHUKY
TOWER (3097) 48-005422

DREAH
TOWER (3097) 48-005422

OWEEE
TOWER (1009) 48-013322

CHUKY

DREAH

CTC AUSTIN APP WITHIN
20 NM ON 118.9, 370.85

CTC AUSTIN APP WITHIN

KHOU
WILLIAM P HOBBY, TX
STAR KIDDZ FIVE
1:500,000
DREAH TO OWEEE TO PHEBE TO JAAES TO KIDDZ
(DILLO TRANSITION)

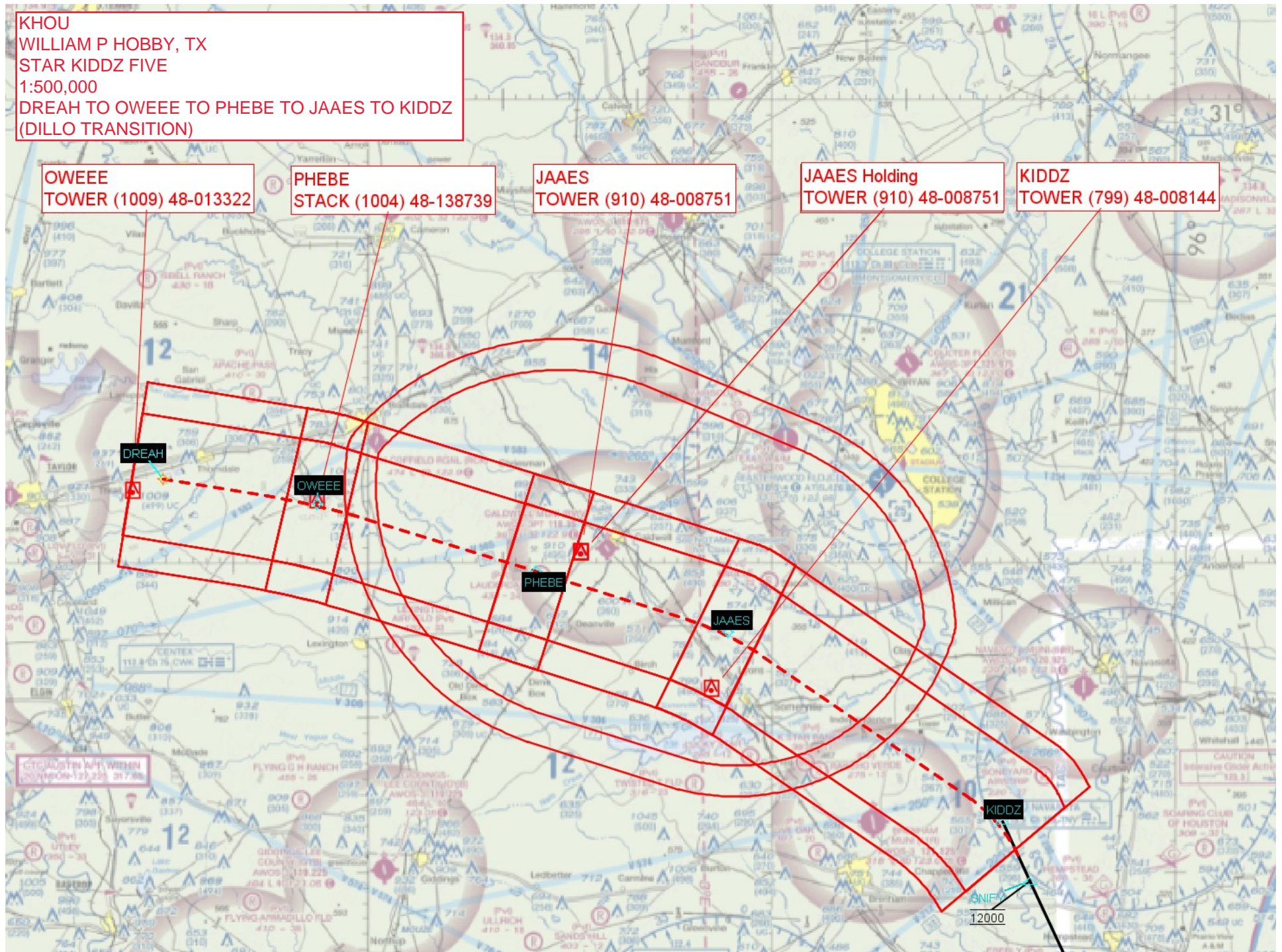
OWEEE
TOWER (1009) 48-013322

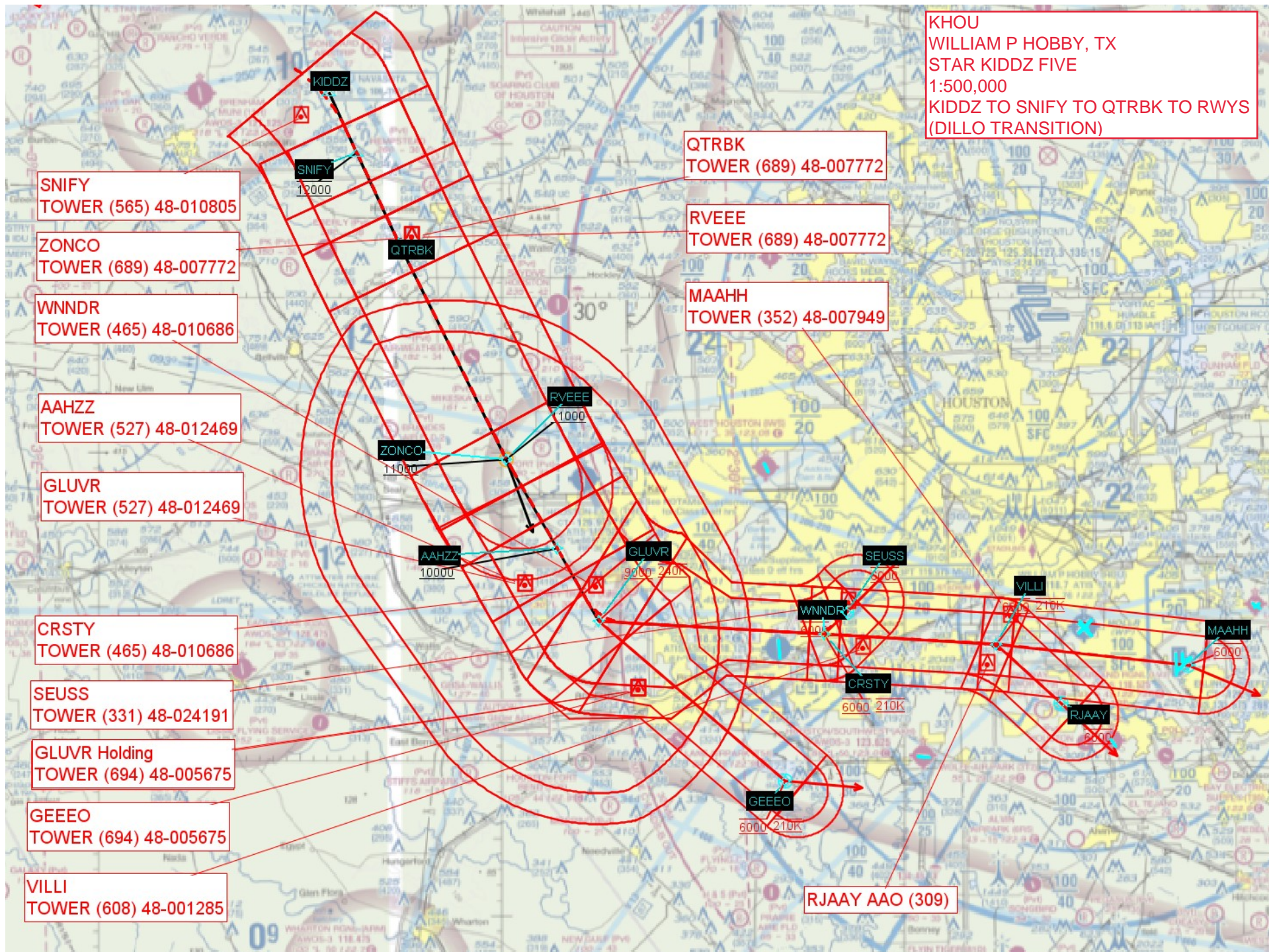
PHEBE
STACK (1004) 48-138739

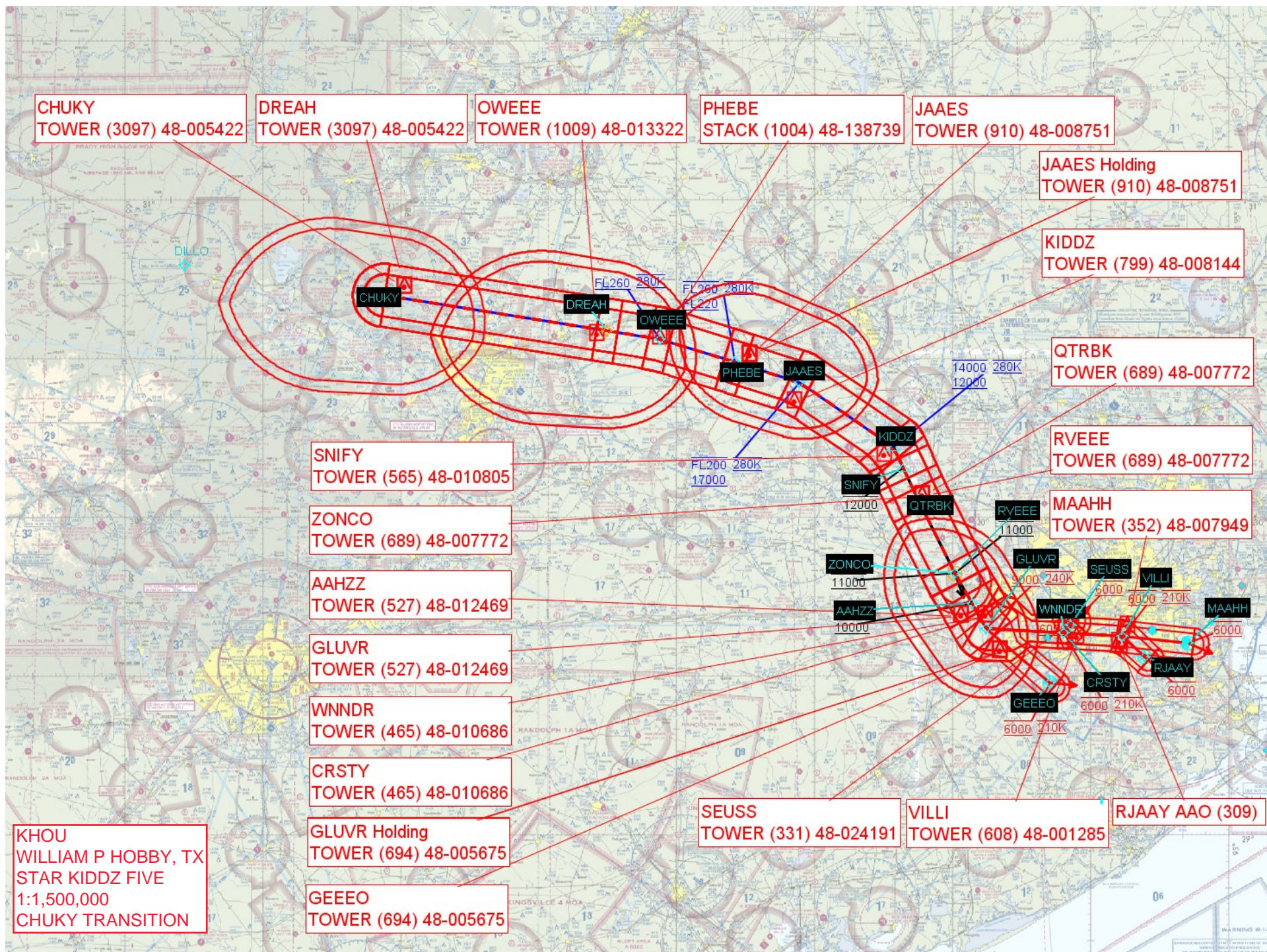
JAAES
TOWER (910) 48-008751

JAAES Holding
TOWER (910) 48-008751

KIDDZ
TOWER (799) 48-008144







KHOU
WILLIAM P HOBBS, TX
STAR KIDDZ FIVE
1:500,000
CHUKY TO DREAH
(CHUKY TRANSITION)

CHUKY
TOWER (3097) 48-005422

DREAH
TOWER (3097) 48-005422

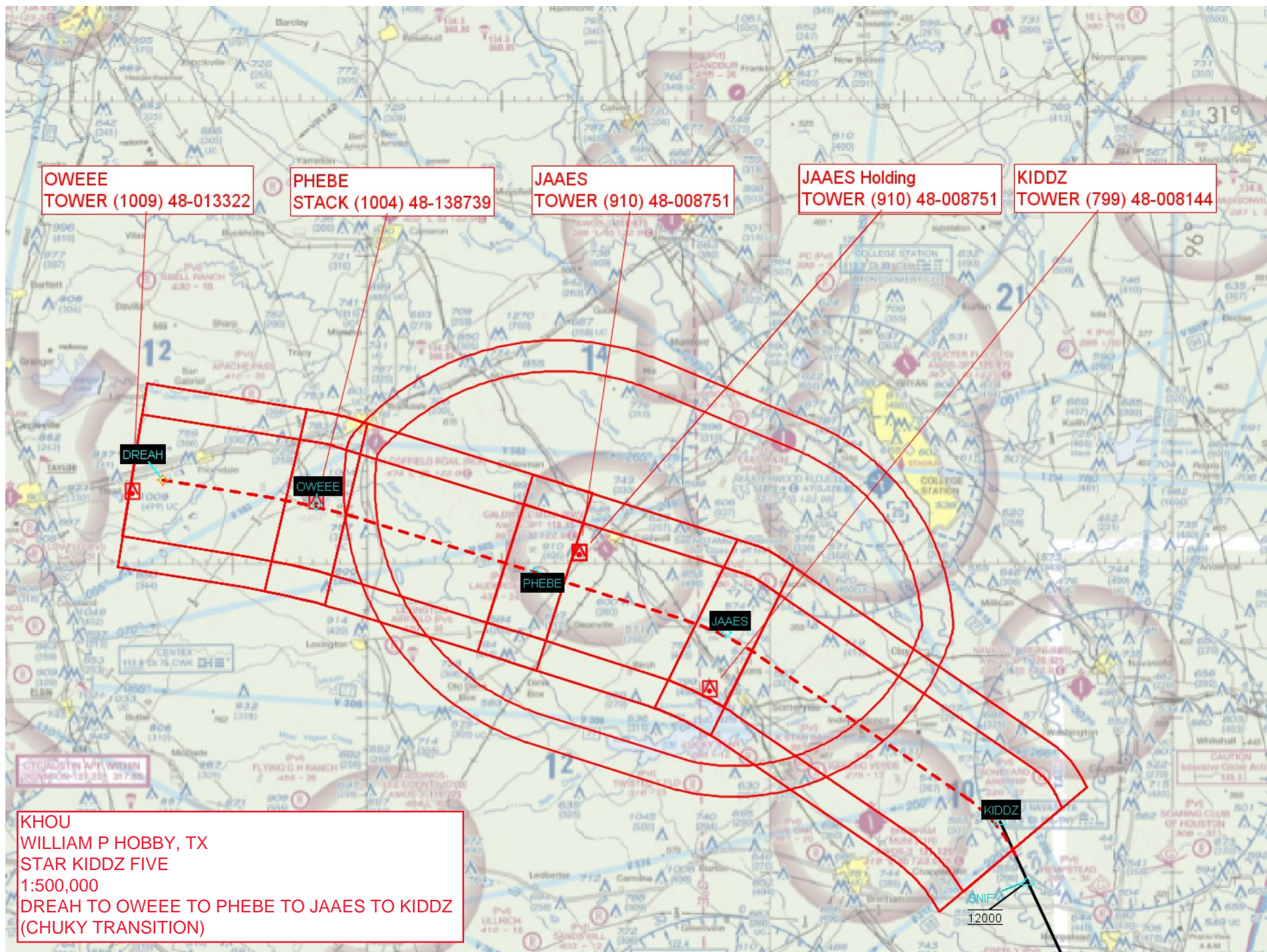
OWEEE
TOWER (1009) 48-013322

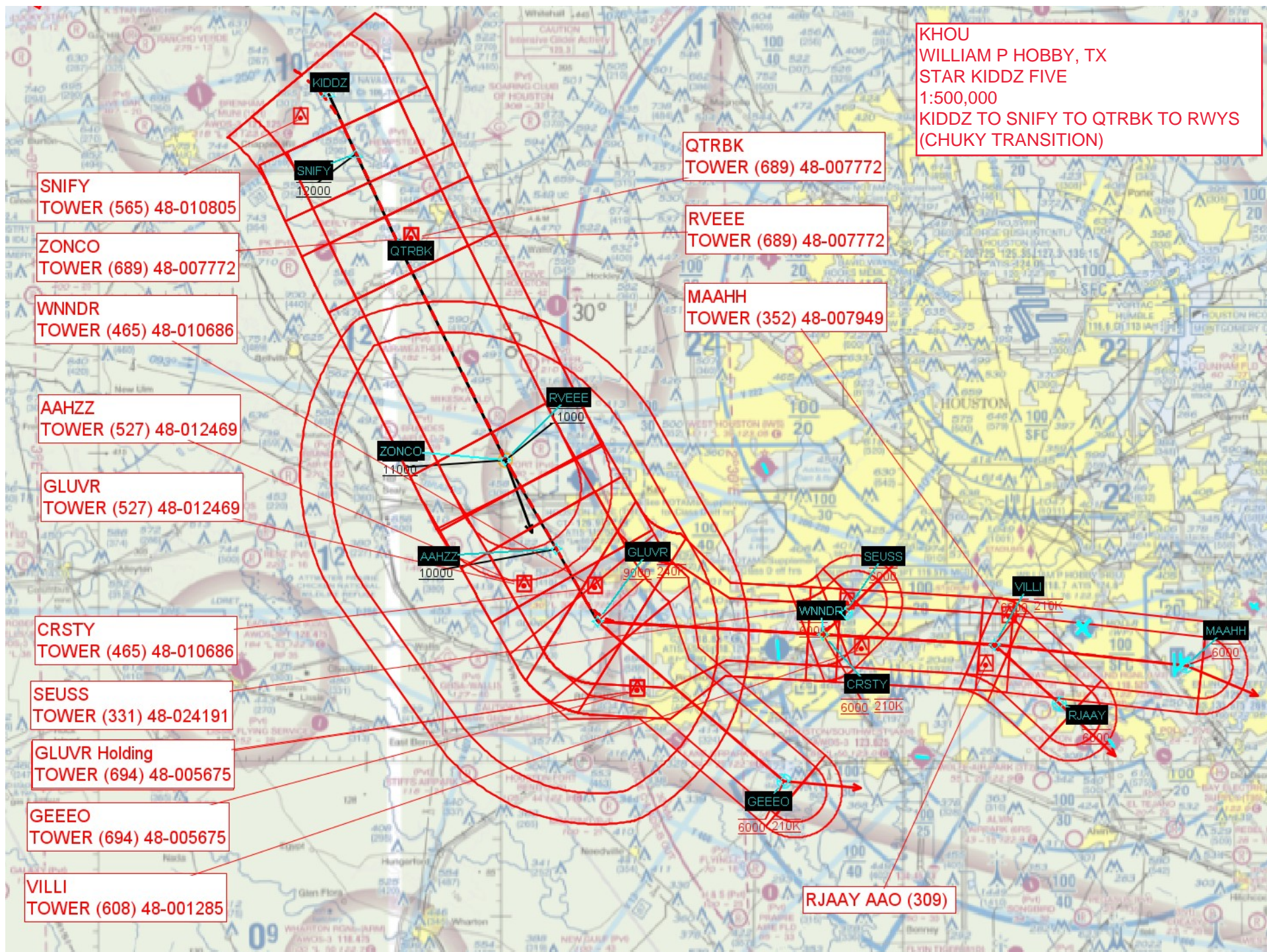
CHUKY

DREAH

CTC AUSTIN APP WITHIN
20 NM ON 119.9, 370.85

CTC AUSTIN APP WITHIN





KHOU
WILLIAM P HOBBY, TX
STAR KIDDZ FIVE
1:1,000,000
ILEXY TRANSITION

KIDDZ AAO (955)

ILEXY

SNIFY
TOWER (565) 48-010805

ZONCO
TOWER (689) 48-007772

WNDR
TOWER (465) 48-010686

AAHZ
TOWER (527) 48-012469

GLUVR
TOWER (527) 48-012469

CRSTY
TOWER (465) 48-010686

SEUSS
TOWER (331) 48-024191

GLUVR Holding
TOWER (694) 48-005675

GEEEO
TOWER (694) 48-005675

KIDDZ

SNIFY
12000

QTRBK

RVEEE
14000

ZONCO
11000

AAHZ
10000

GLUVR
240K

SEUSS
5000

VILLI
6000 210K

MAAHH
8000

CRSTY
6000 210K

GEEEO
6000 210K

RJAAY
6000

VILLI
TOWER (608) 48-001285

RJAAY AAO (309)

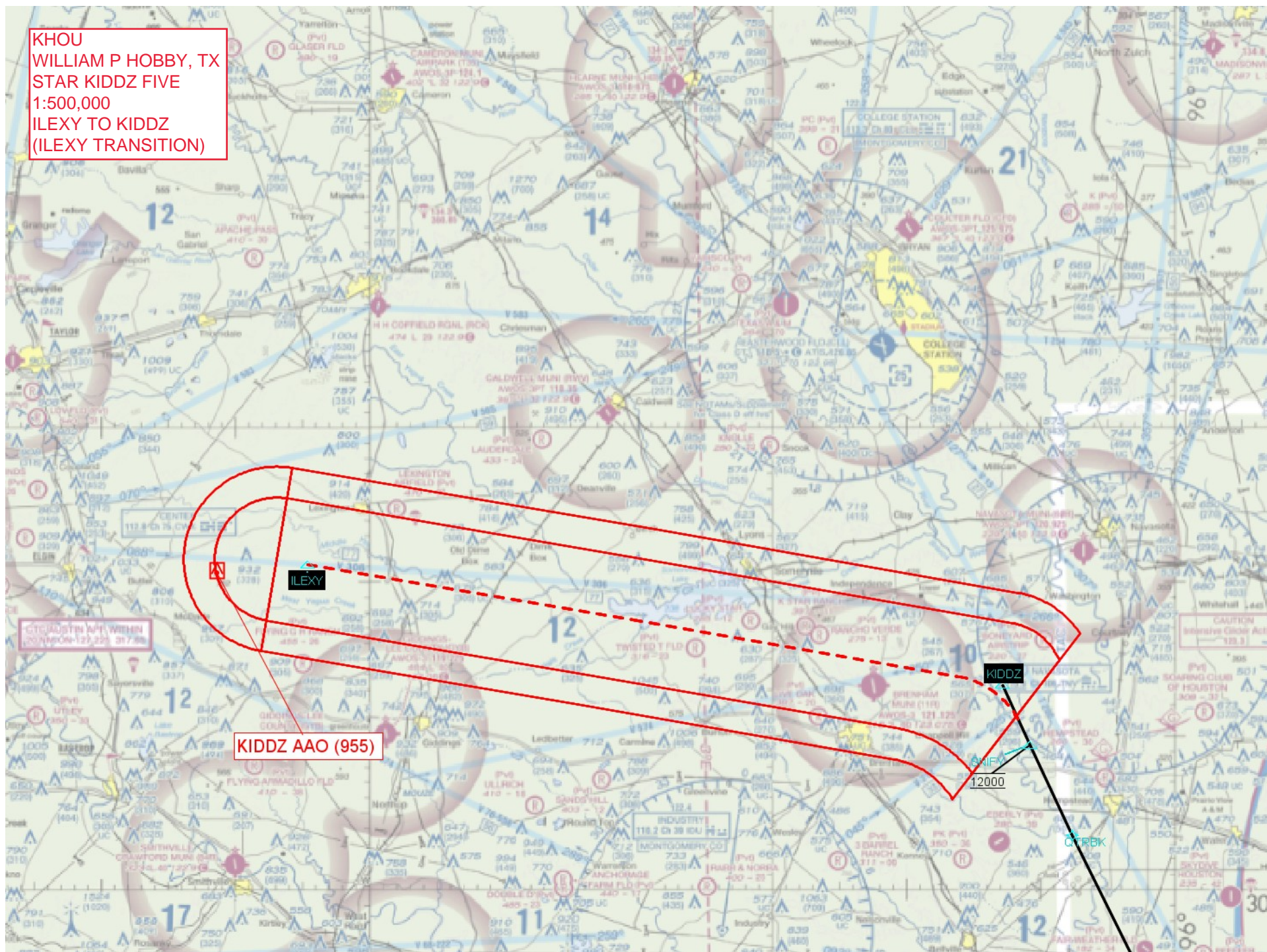
GEEEO
TOWER (694) 48-005675

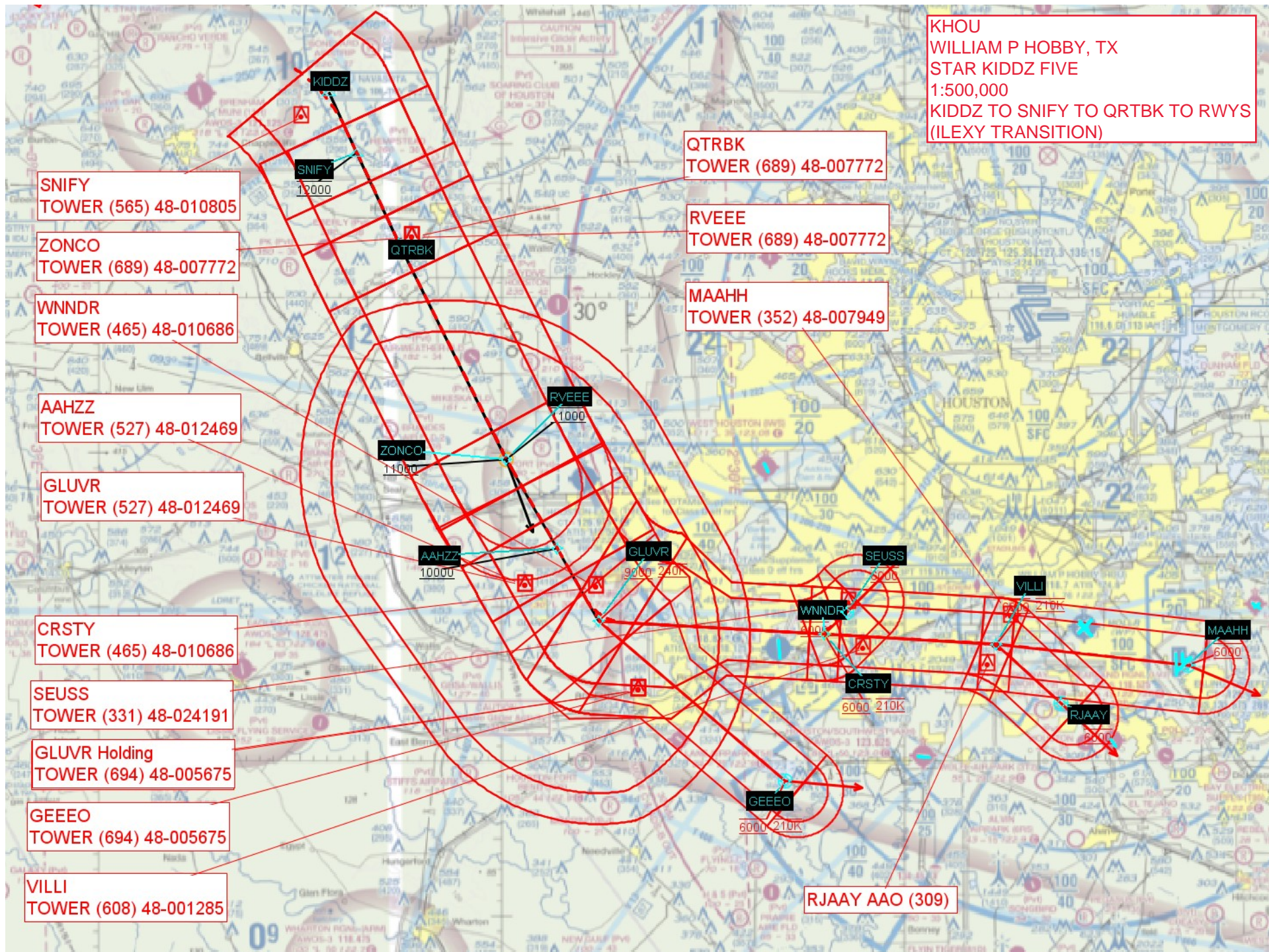
MAAHH
TOWER (352) 48-007949

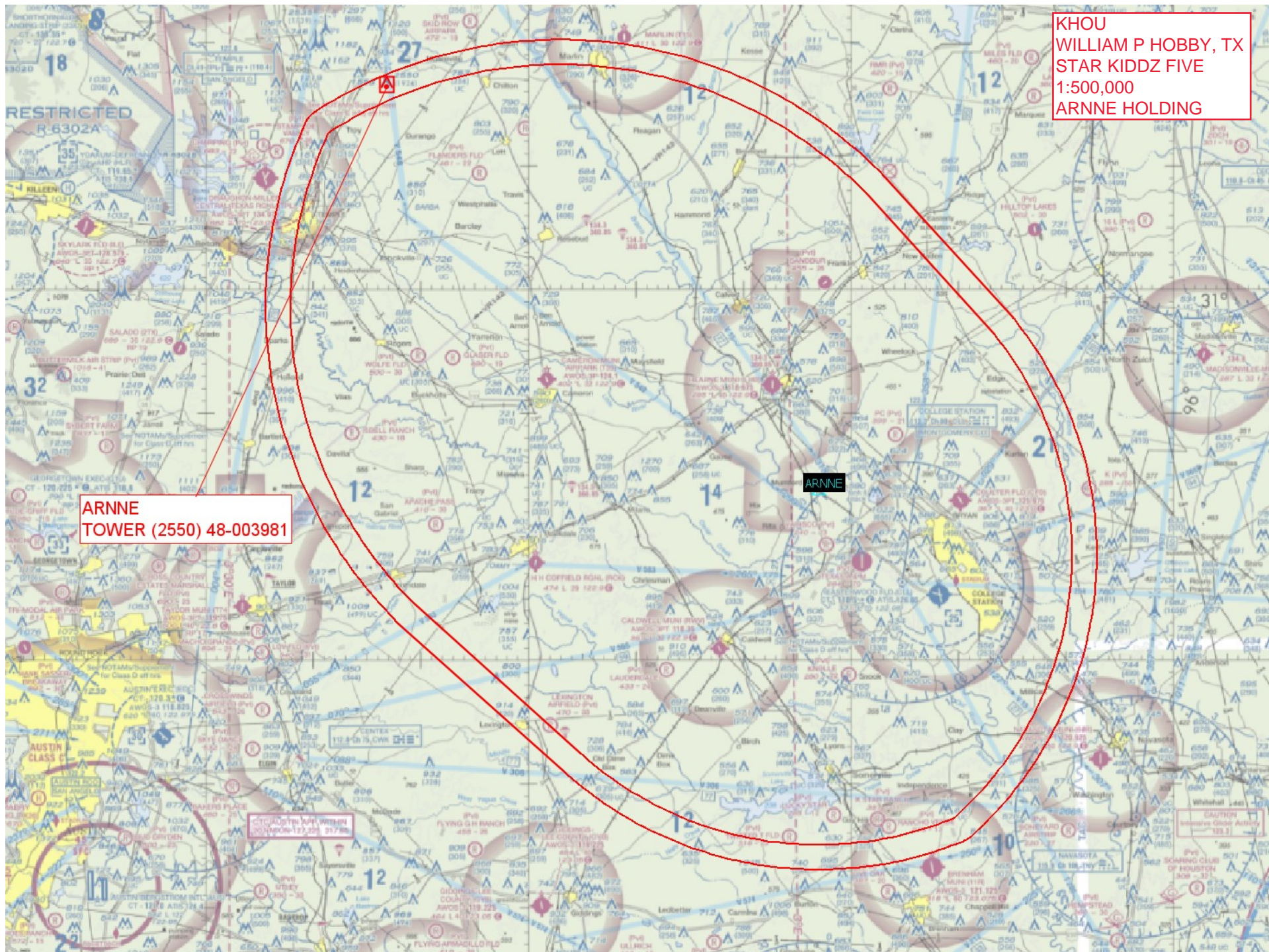
VILLI
TOWER (608) 48-001285

RJAAY AAO (309)

KHOU
WILLIAM P HOBBY, TX
STAR KIDDZ FIVE
1:500,000
ILEXY TO KIDDZ
(ILEXY TRANSITION)







KHOU
WILLIAM P HOBBY, TX
STAR KIDDZ FIVE
1:500,000
ARNNE HOLDING

ARNNE
TOWER (2550) 48-003981

ARNNE

CTC AUSTIN WPT WITHIN
30 NM (17.3 NM) 217.95

CAUTION
Intensive Glider Activity
183.5