

<b>RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33</b>				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
<b>TERMINAL ROUTES</b>								<b>MISSED APPROACH</b>							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LP: RW34 LNAV: RW34							
BETRA		SPODA (FO)		105.38 / 26.85		3300		CLIMB TO 4000 DIRECT ZOBON AND HOLD.							
ZALSO		SPODA (FO)		161.95 / 35.25		3300									
BLUOX		SPODA (FO)		246.10 / 29.85		3300									
STRAW (IAF)		SPODA (NOPT) (FB)		332.00 / 17.41		3300									
SPODA (IF/IAF)		SINIE (FB)		344.47 / 6.20		3100									
SINIE (FAF)		WEXEL/2.80 NM TO RW34 (FB)		344.44 / 2.79											
(SEE FORM 8260-10)								ADDITIONAL FLIGHT DATA: HOLD N, RT, 164.37 INBOUND. CHART FAS OBST: 1368 TREE 473332N/0954545W CHART FAS OBST: 1456 STACK 473454N/0954540W CHART VDP AT 1.06 MILES TO RW34 WAAS CHANNEL # 90326 REFERENCE PATH ID: W34A SINIE TO RW34: 3.00/40 LTP HAE: 362.6 M							
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF)								MAG VAR: 3E                      EPOCH YEAR: 2010							
2. HOLD S SPODA, RT, 344.47 INBOUND, 3300 FT. IN LIEU OF PT (IAF)															
3. FAC: <u>344.44</u> FAF: <u>SINIE</u> DIST FAF TO MAP: <u>5.59</u> THLD: <u>5.59</u>															
4. MIN. ALT: SPODA 3300, SINIE 3100, WEXEL/2.80 NM TO RW34 2200															
5. DIST TO THLD FROM OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 150 HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>      </u>															
6. MIN GS INCPT: <u>      </u> GS ALT AT: <u>      </u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u>															
7. GS ANGLE: <u>      </u> TCH: <u>34:1</u> IS CLEAR															
8. MSA FROM: RW34 3300															
<b>MINIMUMS</b>															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		STANDARD @							
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1620	1	341	1620	1	341	1620	1	341						
LNAV MDA	1760	1	481	1760	1	481	1760	1 3/8	481						
CIRCLING	1860	1	581	1860	1	581	1860	1 1/2	581						
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE THIEF RIVER FALLS RGNL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND INCREASE LP AND LNAV CAT C VISIBILITY 3/8 MILE, INCREASE CIRCLING CAT C VISIBILITY 1/2 MILE. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 1279      THRE: 1279		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
FOSSTON, MN		AIRPORT NAME:		FOSSTON MUNI		RNAV (GPS) RWY 34, ORIG-A				AMDT:      ORIG					
						15 NOVEMBER 2012				DATED      05/03/2012					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WEXEL/2.80 NM TO RW34	RW34 (MAP) (FO)	344.43 / 2.80	
RW34 (MAP)	1620 MSL	344.43	
1620 MSL	ZOBON (FO)		4000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BLUOX ON V82 NORTHBOUND.  
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

QUALITY  
9  
CHECKED

CITY AND STATE  
FOSSTON, MN

ELEVATION: 1279 THRE: 1279  
AIRPORT NAME:  
FOSSTON MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 34, ORIG-A  
15 NOVEMBER 2012

SUP:  
AMDT: ORIG  
DATED: 05/03/2012

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**FAS DATA BLOCK INFORMATION****DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFSE
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	473517.3240N
LTP/FTP LONGITUDE	0954618.9905W
LTP/FTP ELLIPSOIDAL HEIGHT	+03626
FPAP LATITUDE	473644.2300N
FPAP LONGITUDE	0954647.6700W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

**CRC REMAINDER**

E5260413

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03897
FPAP ORTHOMETRIC HEIGHT	+03897

QUALITY  
9  
CHECKED

CITY AND STATE FOSSTON, MN	ELEVATION: 1279      THRE: 1279 AIRPORT NAME: FOSSTON MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34, ORIG-A 15 NOVEMBER 2012	SUP:
				AMDT:      ORIG
				DATED:      05/03/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFSEK3FR34	ABETRA	010BETRAK3EA0E	IF						18000		A JS	
SUSAP	KFSEK3FR34	ABETRA	020SPODAK3EA0EY	020TF		10540269		+ 03300				A JS	
SUSAP	KFSEK3FR34	ABETRA	030SPODAK3EA0EE	AR HF		34450040		+ 03300				A JS	
SUSAP	KFSEK3FR34	ABLUOX	010BLUOXK3EA0E	IF						18000		A JS	
SUSAP	KFSEK3FR34	ABLUOX	020SPODAK3EA0EY	020TF		24610299		+ 03300				A JS	
SUSAP	KFSEK3FR34	ABLUOX	030SPODAK3EA0EE	AR HF		34450040		+ 03300				A JS	
SUSAP	KFSEK3FR34	ASTRAW	010STRAWK3EA0E	A IF						18000		A JS	
SUSAP	KFSEK3FR34	ASTRAW	020SPODAK3EA0EE	B 010TF		33200174		+ 03300				A JS	
SUSAP	KFSEK3FR34	AZALSO	010ZALSOK3EA0E	IF						18000		A JS	
SUSAP	KFSEK3FR34	AZALSO	020SPODAK3EA0EY	020TF		16200353		+ 03300				A JS	
SUSAP	KFSEK3FR34	AZALSO	030SPODAK3EA0EE	AR HF		34450040		+ 03300				A JS	
SUSAP	KFSEK3FR34	R	010SPODAK3EA0E	I IF				+ 03300		18000		A JS	
SUSAP	KFSEK3FR34	R	020SINIEK3EA1E	F 051TF		34450062		+ 03100			RW34	K3PGA JS	
SUSAP	KFSEK3FR34	R	020SINIEK3EA2WALP		N	ALNAV						JS	
SUSAP	KFSEK3FR34	R	021WEXELK3EA0E	S 031TF		34440028		V 0220002210		-300		A JS	
SUSAP	KFSEK3FR34	R	030RW34	K3PGOGY M 031TF		34440028		01319		-300		A JS	
SUSAP	KFSEK3FR34	R	040	0 M CA		3444		+ 01620				A JS	
SUSAP	KFSEK3FR34	R	050ZOBONK3EA0EY	DF				+ 04000				A JS	
SUSAP	KFSEK3FR34	R	060ZOBONK3EA0EE	R HM		16440040		+ 04000				A JS	

[illegible]

CITY AND STATE <b>FOSSTON, MN</b>	ELEVATION: <b>1279</b>	THRE: <b>1279</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			<b>RNAV (GPS) RWY 34, ORIG-A</b>	AMDT: <b>ORIG</b>
	<b>FOSSTON MUNI</b>		<b>RNAV</b>	15 NOVEMBER 2012	DATED: <b>05/03/2012</b>

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

QUALITY  
CHECKED

CITY AND STATE <b>FOSSTON, MN</b>	ELEVATION: <b>1279</b> <b>THRE: 1279</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>FOSSTON MUNI</b>	<b>RNAV</b>	<b>RNAV (GPS) RWY 34, ORIG-A</b>	AMDT: <b>ORIG</b>
			<b>15 NOVEMBER 2012</b>	DATED: <b>05/03/2012</b>

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICES - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
BETRA	BETRA	BETRA	010		IF		FB					
BETRA	BETRA	SPODA	020		TF		FO	2.0	105.4 (108.4T)	026.9	AA 03300	
BETRA	BETRA	SPODA	030	IAF	HF	R	FO		344.5 (347.5T)	004.0	AA 03300	
BLUOX	BLUOX	BLUOX	010		IF		FB					
BLUOX	BLUOX	SPODA	020		TF		FO	2.0	246.1 (249.1T)	029.9	AA 03300	
BLUOX	BLUOX	SPODA	030	IAF	HF	R	FO		344.5 (347.5T)	004.0	AA 03300	
STRAW	STRAW	STRAW	010	IAF	IF		FB					
STRAW	STRAW	SPODA	020		TF		FB	1.0	332.0 (335.0T)	017.4	AA 03300	
ZALSO	ZALSO	ZALSO	010		IF		FB					
ZALSO	ZALSO	SPODA	020		TF		FO	2.0	162.0 (165.0T)	035.3	AA 03300	
ZALSO	ZALSO	SPODA	030	IAF	HF	R	FO		344.5 (347.5T)	004.0	AA 03300	
		SPODA	010	FACF	IF		FB				AA 03300	
		SINIE	020	FAF	TF		FB	0.5	344.5 (347.5T)	006.2	AA 03100	
		WEXEL	021	SDF	TF		FB	0.3	344.4 (347.4T)	002.8	AA 02200	GS 02210
		RW34	030	MAP	TF		FO	0.3	344.4 (347.4T)	002.8	AT 01319	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		344.4 (347.4T)		AA 01620	
	ZOBON	050		DF		FO				AA 04000	
	ZOBON	060		HM	R	FO		164.4 (167.4T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BETRA	N473220.92	W0962002.32	N4732.349	W09620.039
	BLUOX	N473433.13	W0950129.11	N4734.552	W09501.485
	SINIE	N472949.94	W0954431.19	N4729.832	W09544.520
	SPODA	N472347.22	W0954232.20	N4723.787	W09542.537
	STRAW	N470801.55	W0953142.44	N4708.026	W09531.707
	WEXEL	N473233.44	W0954524.98	N4732.557	W09545.416
	ZALSO	N475749.26	W0955600.79	N4757.821	W09556.013
	ZOBON	N474723.35	W0955019.39	N4747.389	W09550.323
	RW34	N473517.32	W0954618.99	N4735.289	W09546.317

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	01279	40

QUALITY  
9  
CHECKED

CITY AND STATE <b>FOSSTON, MN</b>	ELEVATION: <b>1279</b>	THRE: <b>1279</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 34, ORIG-A</b> 15 NOVEMBER 2012	SUP:
	AIRPORT NAME: <b>FOSSTON MUNI</b>				AMDT: <b>ORIG</b>
					DATED: <b>05/03/2012</b>