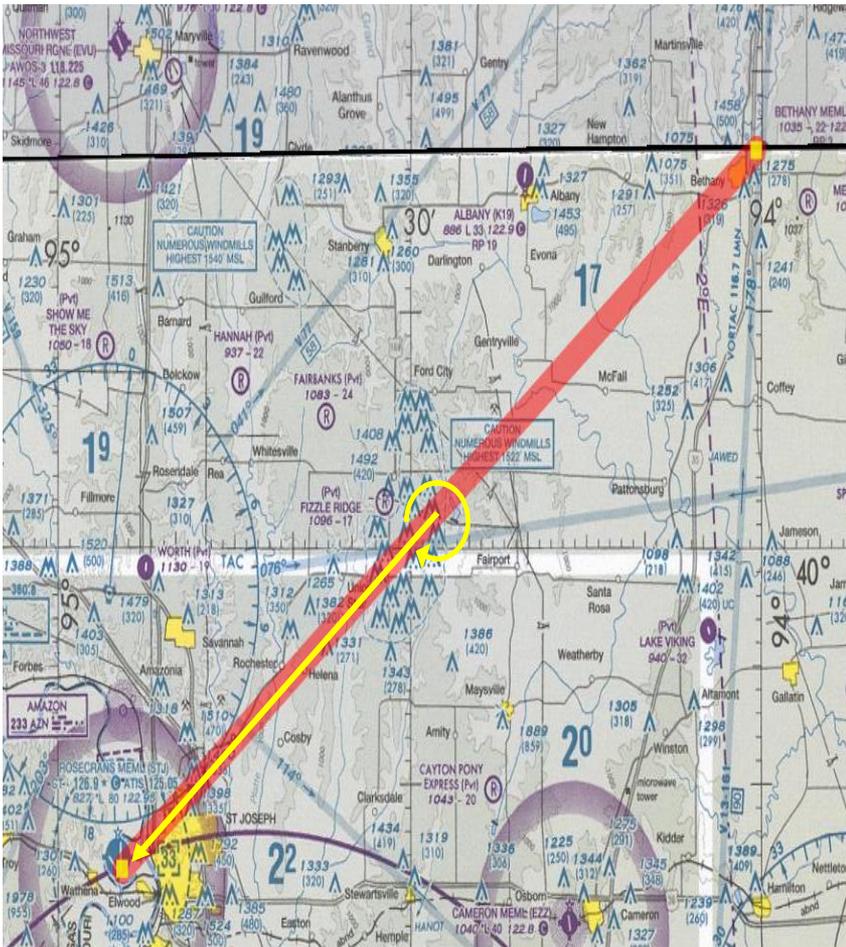


**CEN11FA599**

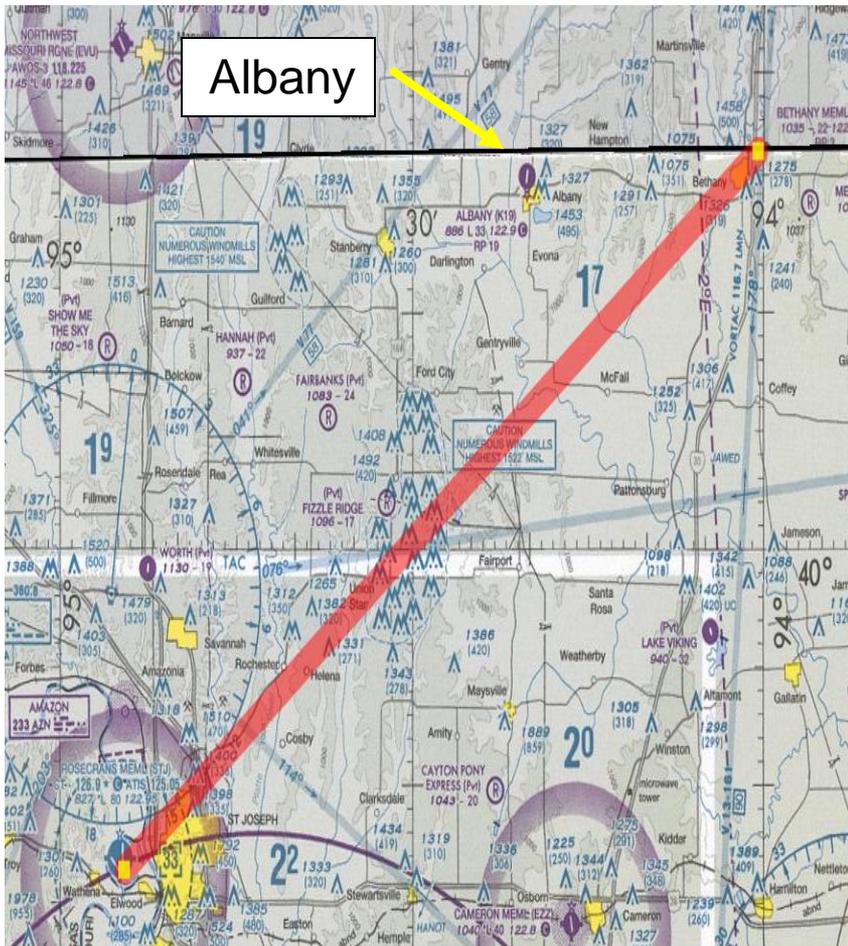
**Pilot Flight Decision Options - Fuel**

# KSTJ – 75K



- Option #1
  - While enroute, approx. 50% of flight completed became aware of critical fuel situation - Return to Base (RTB)
  - Obtain required fuel to meet flight requirements

# KSTJ (St Joseph) – 75K (Bethany)



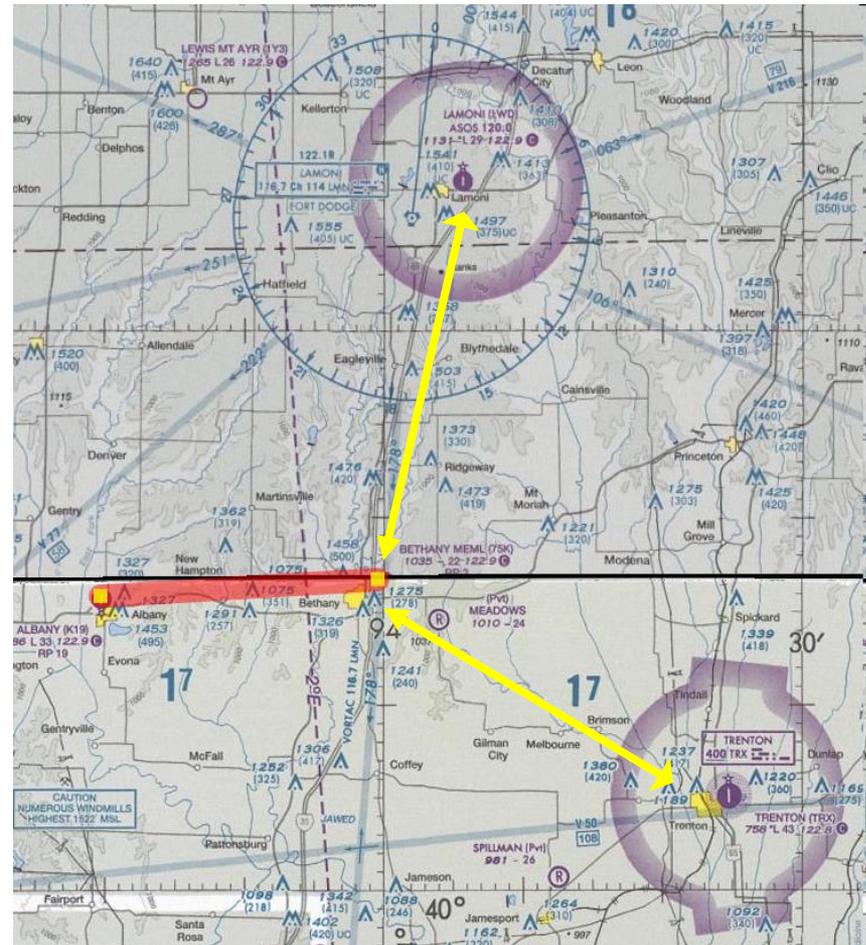
- Option #2
  - Divert to K19 (Albany) w/med crew and fuel acct with 100LL or MOGAS (4 nm increase)
- Option #3
  - Land at 75K drop off med crew, fly to K19 and fuel acct with 100LL or MOGAS (32 nm increase)

# Accident Pilot did not consider Emergency Fuels

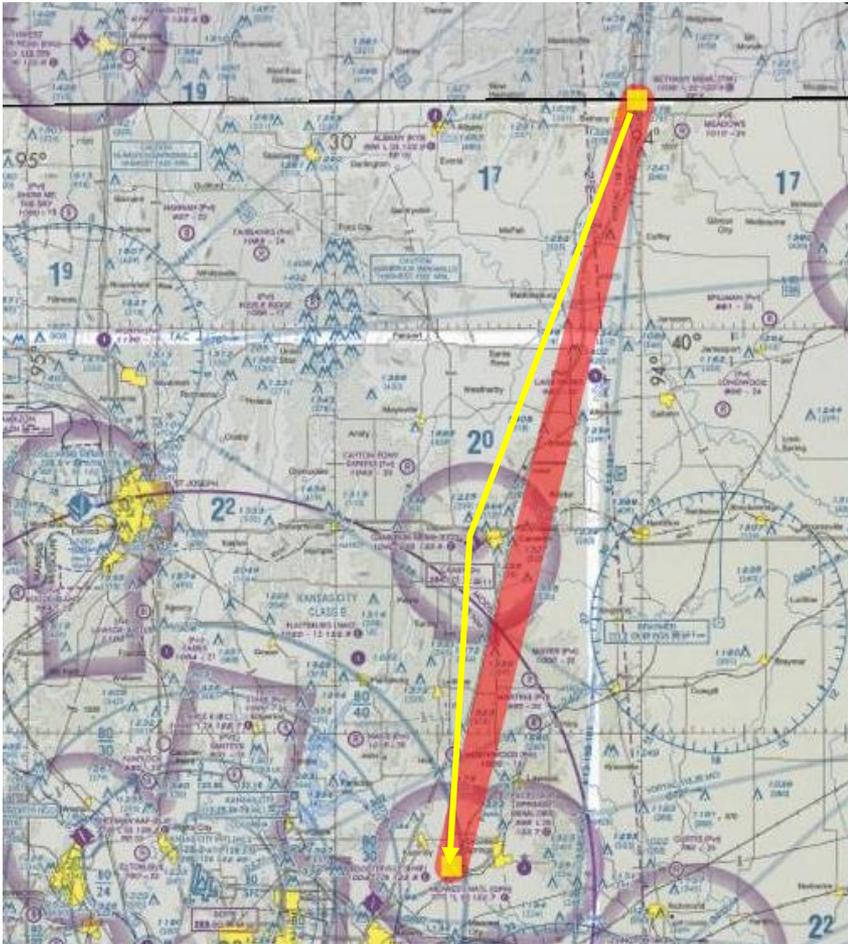
- Did not communicate critical fuel state issue to Air Methods OCC
- RFM Section 2.1 para. 11.4 Fuels
  - 100LL AVGAS can be used
  - Automotive gasoline may also be used
    - Restrictions
      - Within any one period between overhauls of the engine, the use of gasoline is limited to 25 hours maximum
      - Add 2% of mineral lubricating oil if possible
      - Hp up to 1500 ft.
      - Fuel temperature up to 30° C.
- OPS Specs A019 - Use automotive gasoline as aircraft fuel.

# Other 100LL options other than K19 (Albany)

- TRX (Trenton), MO
  - 22 nm from 75K
- LWD (Lamoni), MO
  - 22 nm from 75K



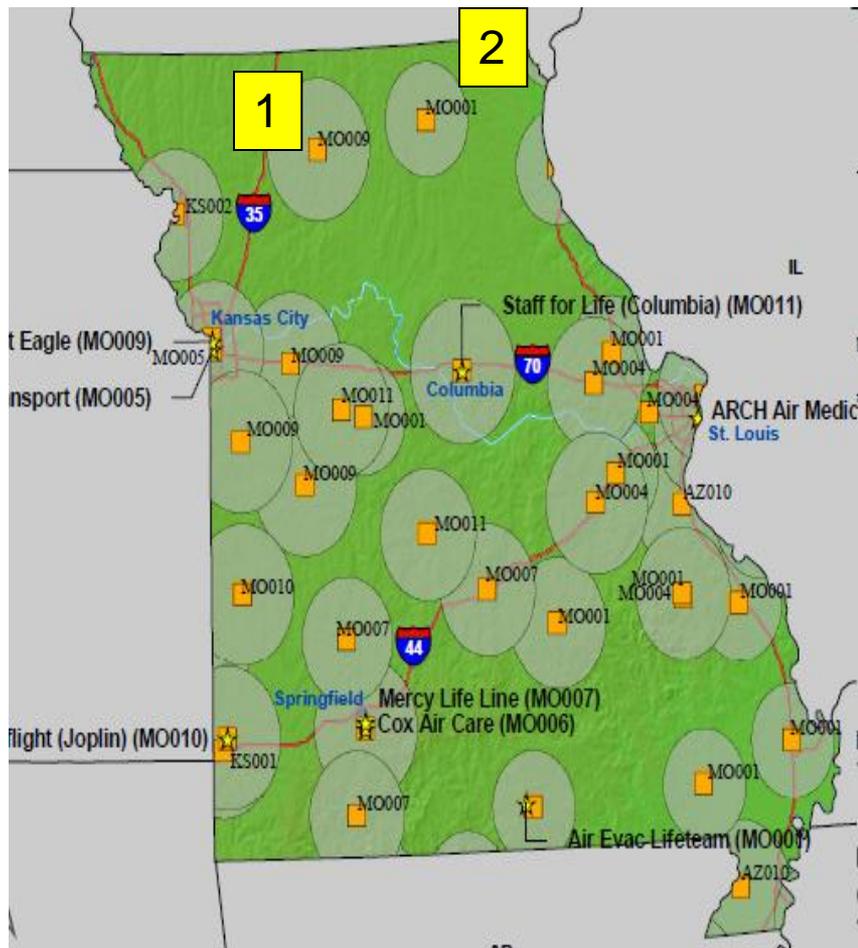
# 75K - KGPH



- Option #4
  - Enroute to KGPH divert to KEZZ (Cameron)
    - 20 min, 35 nm approx @ 110 kts
  - Running Time Leg 1 + 2
    - 50 min, 87 nm
  - Leg 3 KEZZ – Liberty Hospital
    - 17 min, 31 nm
  - Total Time ALL Legs
    - 67 min, 118 nm
- NOTE: This option may be in violation of FAA Part 135 Min. Fuel Requirements (20 min reserve)

# Option #5 - Cancel flight request and let another HEMS respond

<http://www.adamsairmed.org/states/Missouri.pdf>



## 1. Lifeflight Eagle

Trenton Municipal Airport

**100LL and Jet A Available**

## 2. Air-Evac Lifeteam

Kirksville (AE38)

# Option #6 - Cancel flight request and transport by ground ambulance

Total Ground time 1 HR 21 Min

Total HEMS time 1 hr 25 min

Dispatch to Original Destination Liberty Hospital including down time @ 75K)

Assumption: Ground ambulance is available

Get directions My places

Bethany, mo  
Liberty, MO  
Add Destination - Show options  
GET DIRECTIONS

Suggested routes

Route	Distance	Time	Traffic
I-35 S	76.3 mi	1 hour 21 mins	In current traffic: 1 hour 21 mins
I-35 S and US-69 S	81.2 mi	1 hour 33 mins	No traffic information
MO-13 S	89.8 mi	1 hour 52 mins	No traffic information

Driving directions to Liberty, MO

Bethany, MO

1. Head east on Missouri W toward S 25th St 151 ft
2. Turn right onto S 25th St 0.2 mi
3. Take the 3rd left onto Miller St 0.7 mi
4. Turn right to merge onto I-35 S