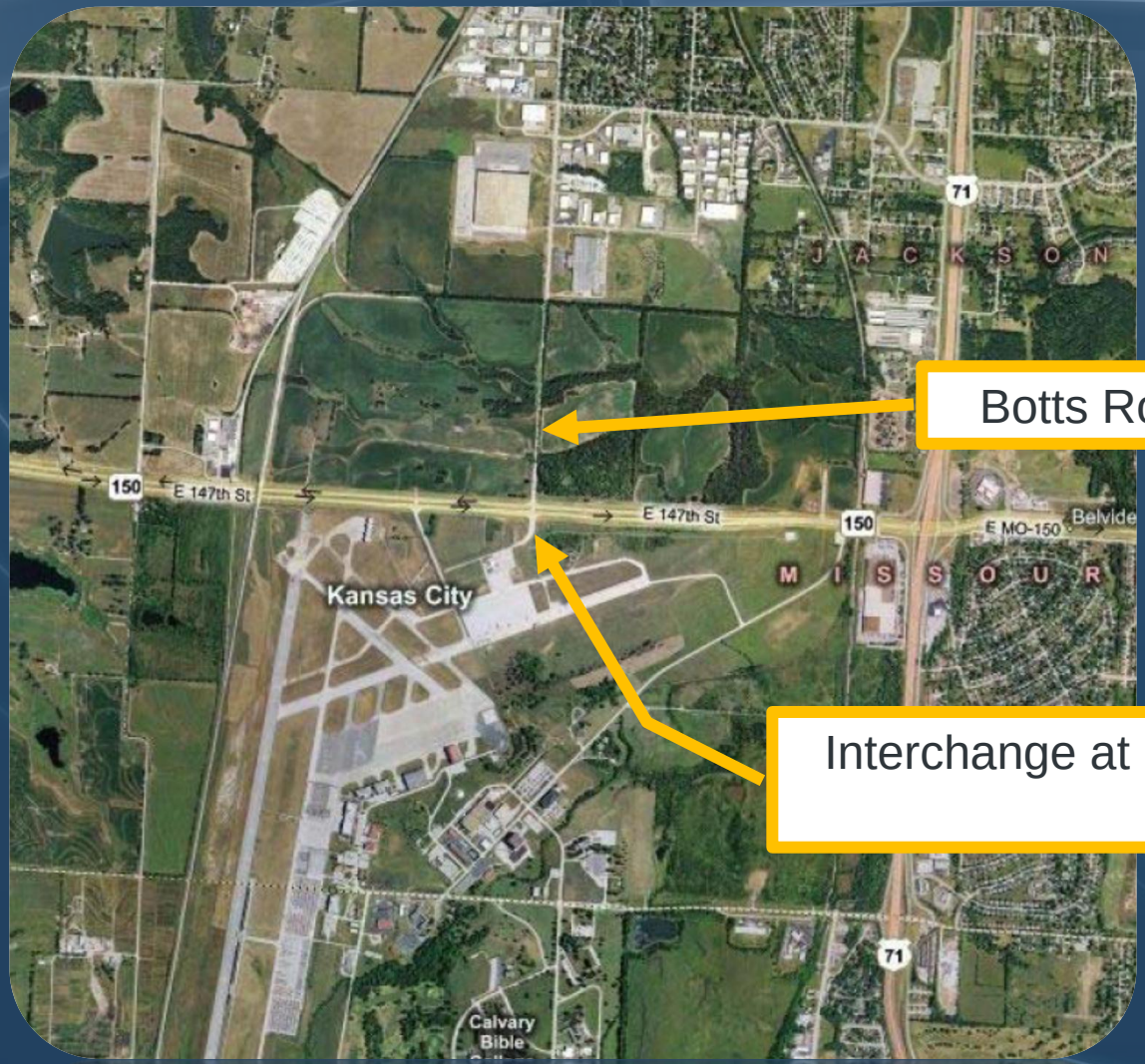
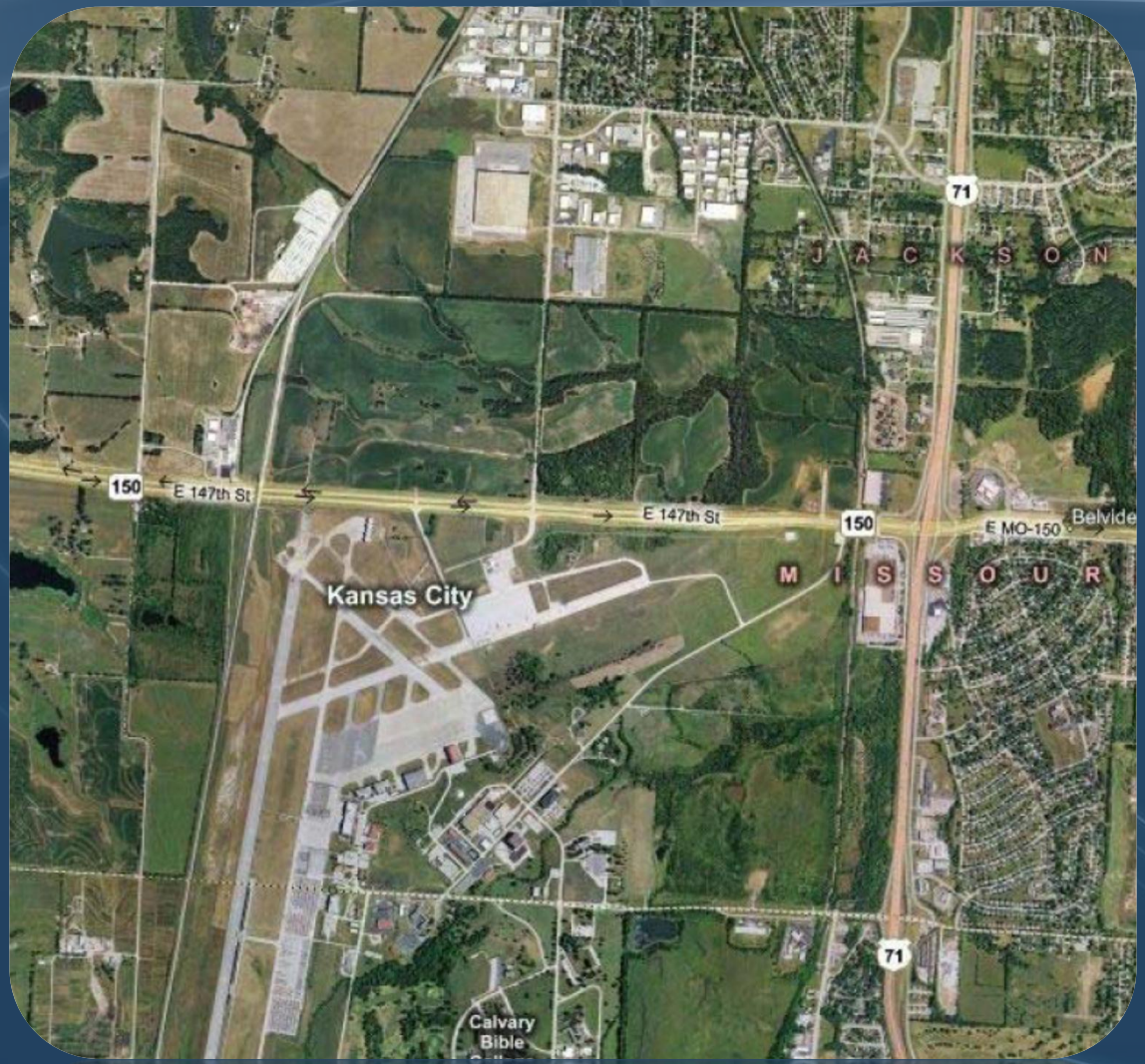
Botts Road at M-150



Botts Road North of M-150

Interchange at Botts Road and M-150

Botts Road and M-150 Interchange



- Existing Conditions
  - At-grade intersection
  - Increased capacity due to National Security Campus and Centerpoint Development
  - Up to 20% truck traffic predicted
  - 2,000 vehicles during peak hours

Goals of the Value Engineering Study

Study Goals:

- Select preferred alternative based on the criteria
- Identify design practical solutions
- Identify Green solutions to apply to final recommendation.

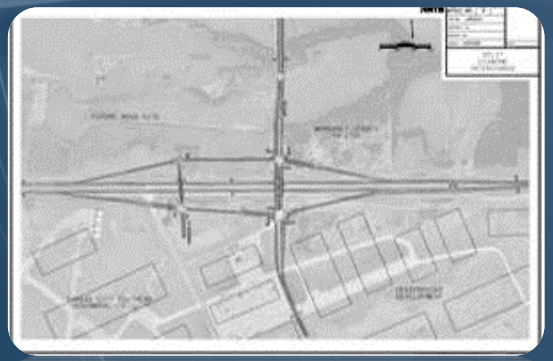
Screening Criteria:

- Traffic operations (60%)
- Constructability (15%)
- Economic issues (15%)
- Environmental issues (10%)

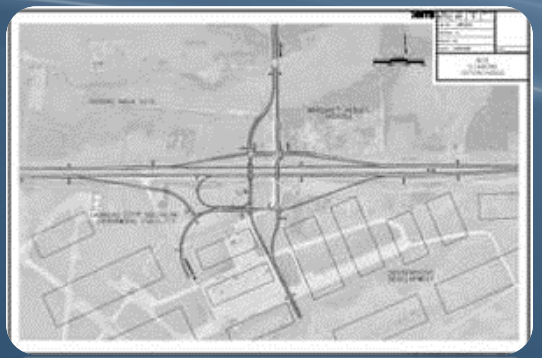
Value Engineering Workshop



Standard Diamond



Split Diamond



Box Diamond



Continuous Flow



Diverging Diamond



Michigan U-Turns

Pros & Cons of a DDI

Pros

- Left Turning Movements
- Smaller Footprint
- Reduces Congestion
- Two Phase Operation
- Construction Cost Savings
- Safety Improvement– Reduces Conflict Points

Cons

- High Through Traffic Volumes
- Driver Expectation
- Off Ramp Traffic Must Turn
- Adjacent Intersections

The Botts Road and M-150 DDI



Questions?

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