

**MO-100 EXHIBIT**

INTERSECTION:  
ST. JOHNS ROAD

ALTERNATIVE NUMBER: 1

DESCRIPTION OF IMPROVEMENTS:  
J-TURNS WITH RESTRICTED CROSSINGS

- ADVANTAGES:
- NO TRAFFIC SIGNALS TO MAINTAIN
  - REDUCTION IN RIGHT ANGLE CONFLICTS
  - OVERALL REDUCTION IN CONFLICTING MOVEMENTS
  - INCREASED RIGHT TURN DECEL SAFETY
  - MAINTAIN INTEGRITY OF HIGH SPEED CORRIDOR W/ HEAVY THRU MOVEMENTS

- DISADVANTAGES:
- INCREASES ADVERSE TRAVEL FOR MINOR ROAD THRU AND LEFT MOVEMENTS
  - OUTSIDE OF THE DRIVER EXPECTATION
  - NARROW MEDIAN LIMITS FULL BENEFIT OF U-TURN W/ DEDICATED ACCEL LANE

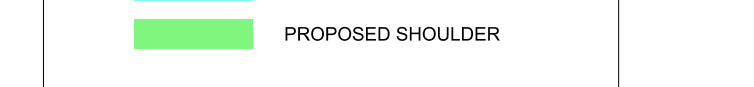
ESTIMATED CONSTRUCTION COSTS:  
\$2,145,400

TRAFFIC PERFORMANCE:

| LEG     | EXIST LOS/AVG. DELAY (AM / PM) | PROP LOS/AVG. DELAY (AM / PM) |
|---------|--------------------------------|-------------------------------|
| NB LT   | F (516') / F (88')             | -(117') / -(116')             |
| NB THRU | F (516') / F (88')             | -(117') / -(116')             |
| NB RT   | F (516') / F (88')             | B (12') / B (12')             |
| EB LT   | B (11') / B (12')              | B (12') / B (12')             |
| EB THRU | A (0') / A (0')                | A (0') / A (0')               |
| EB RT   | A (0') / A (0')                | A (0') / A (0')               |
| SB LT   | D (25') / E (49')              | -(134') / -(133')             |
| SB THRU | D (25') / E (49')              | -(134') / -(133')             |
| SB RT   | D (25') / E (49')              | B (14') / B (13')             |
| WB LT   | A (10') / B (10')              | A (10') / B (10')             |
| WB THRU | A (0') / A (0')                | A (0') / A (0')               |
| WB RT   | A (0') / A (0')                | A (0') / A (0')               |

**LEGEND**

- EXIST. PROPERTY LINE
- EXIST. R/W
- ← DIRECTION OF TRAVEL
- PROPOSED OPTION
- PROPOSED SHOULDER



SCALE  
0 40 80 120

SHEET NO.  
ALTERNATIVE 1

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THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

**CONCEPT**

DATE PREPARED: 6/3/2022

PROJECT NO.: 14559.03

BRIDGE NO.:

DESCRIPTION:

DATE:

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MO DOT

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**GBA**