I-235/Kellogg Interchange Project
KDOT Project No. 235-87 KA-0161-04

Presented to:
TEAM Conference
March 8, 2018
Project Location

Wichita, Kansas
Largest City of Kansas
Population – 390,000
Sedgwick County
Our Project
Existing Conditions
Ultimate Project Breakout

Four Potential Projects

1-235/Kellogg Interchange Project
March 8, 2018
Ultimate Project Costs (Construction)

- **Project 1 (Red)** $108 M
  - T-WORKS $116 M (FY 2016)
  - includes $11.7 M local
- **Project 2 (Blue)** $125 M
- **Project 3 (Yellow)** $45 M
- **Project 4 (Green)** $72 M

**Total Est. Cost = $350 M (FY 2016)**
I-235/Kellogg Interchange Project
March 8, 2018
- 6 Portable Traffic Sensors
- 15 Variable Message Signs
WB US-54 TRAVEL TIME
Traffic

October 10, 2016 SWZ Travel Times

Traffic Volume

Average Travel Speeds (mph)

Crash Occurrence

Crash Cleared

Lane/Ramp Closures
Does it work?

Delay-Diversion Comparison: SWZ vs NO SWZ

- Construction No SWZ
- Construction SWZ
- Poly. (Construction No SWZ)
- Poly. (Construction SWZ)

\[ y = -0.0015x^2 + 0.0684x - 0.0048 \]
\[ R^2 = 0.6493 \]

\[ y = -0.0062x^2 + 0.0681x + 0.0097 \]
\[ R^2 = 0.4182 \]
Questions?

235red.org