

US 119/OAKWOOD AREA IMPROVEMENTS

COST: \$4.7M

Costs are only for alternatives shown and do not include Utility Relocation, Construction Inspection, or Engineering Costs. Costs are in 2019 dollars utilizing preliminary concepts.

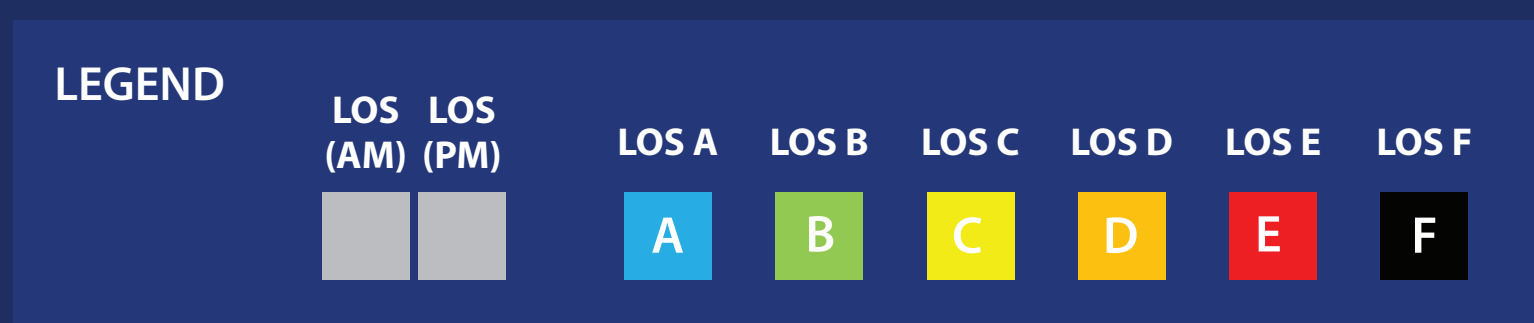


IMPROVEMENT DESCRIPTION:

- At Oakwood Road, the left-turn and through movements from the side road are eliminated
- Left-turn and through movements from Oakwood Road are accommodated by a signalized R-cut intersection just to the north or south
- Signals work in a coordinated system with two-phases
 - US 119 with Northbound R-cut Intersection
 - US 119 with Oakwood Road Intersection
 - US 119 with Southbound R-cut Intersection
- Left-turns onto Lucado Road from US 119 are accommodated by the R-cut to the south of Lucado Road
- Left-turns onto Green Meadow Road from US 119 are accommodated at the Oakwood Road intersection to the north
- These improvements are designed to accommodate all anticipated vehicles, including school buses and trucks

2040 LEVEL OF SERVICE (LOS)

- A A 1** US 119 and SB U-turn
- B A 2** US 119 and Lucado Road Right-Out
- B A 3** US 119 and Green Meadow Road Right-Out
- A B 4** US 119 and Oakwood Road
- A B 5** US 119 and NB U-turn/Hickory Road



ADVANTAGES

- Significant improvement in LOS and safety for corridor and side roads
- Reduced congestion for critical movements, including SB left-turn onto Oakwood Road during the PM peak hour
- Minimal ROW impacts and quick construction which translates to less disruptions to the residents and traveling public
- Significant reduction in signal cycle length at Oakwood Road which will improve LOS and reduce delays

DISADVANTAGES

- Through and right-turn movements are restricted from Oakwood Road
- Some drivers may travel slightly longer distances, however the time interval may be the same or shorter than sitting at the Oakwood Road signal during the current four-phase signal
- Addition of two partial signals to corridor
- Left-turns from US 119 onto Lucado and Green Meadow Roads are eliminated