













Public Meeting
July 18, 2024





Agenda

- 1. Introductions
- 2. Project History
- 3. Existing Conditions
- 4. Design Considerations
- 5. Alternate Alignments
- 6. Proposed Improvements
- 7. Cost
- 8. Visualizations
- 9. Questions





Introductions



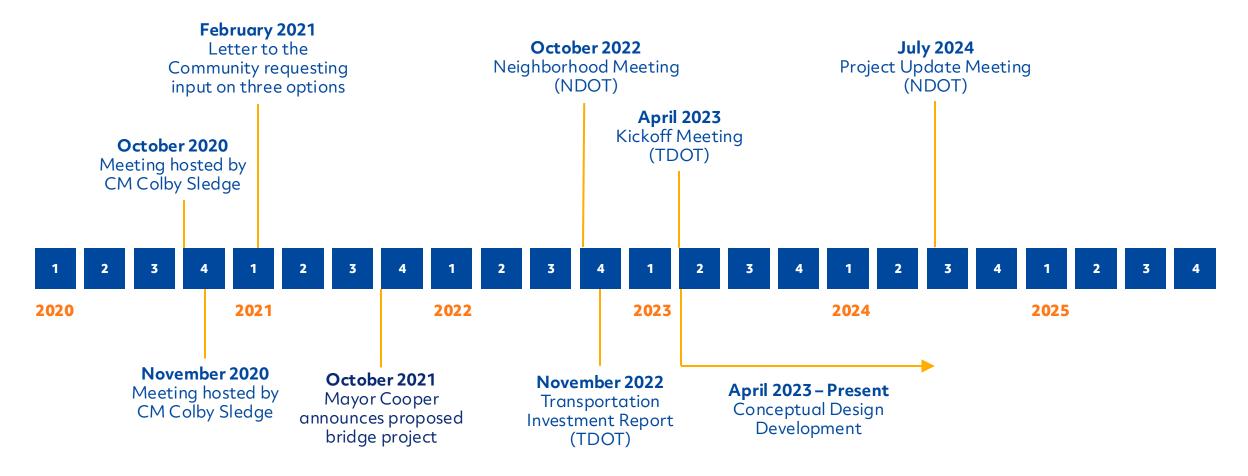
Brad Freeze, P.E. Deputy Director



Katrina Jones, P.E. Capital Projects



Project History







Design Considerations

- Topography
- Right-of-way Impacts
- Railroad considerations
- Neighborhood connectivity
- Constructability
- Allowable grade percentages
- Relocations
- Cost



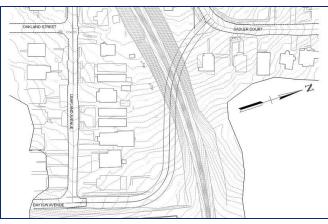


Alternate Alignments

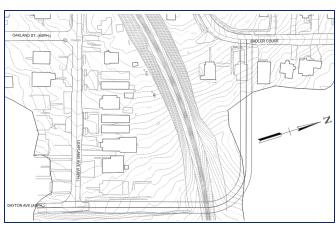




Alignment 1



Alignment 2



Alignment 3



Alignment 1

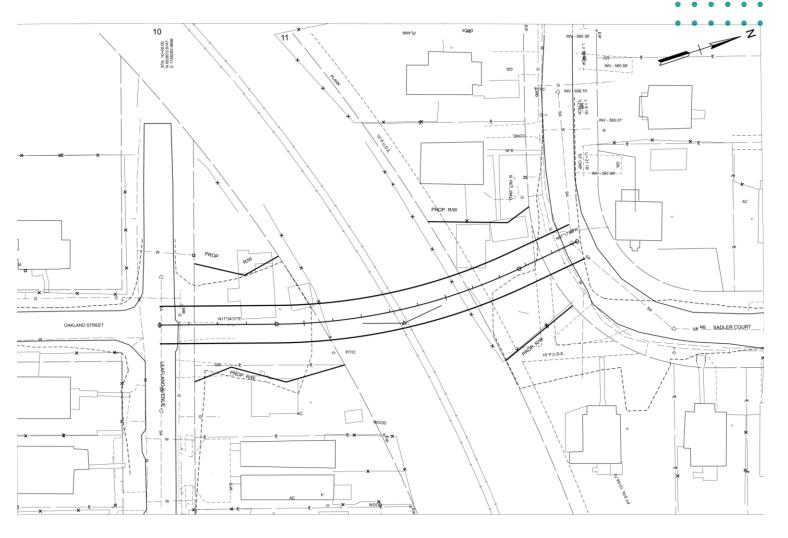
From Oakland St. to Sadler Ct.

Pros

- Shortest and least impactful
 - ROW Acquisitions
 - Utility Relocations

Cons

- Requires grades exceeding maximum allowable to clear rail line
- Steep slopes and bridge skew makes construction expensive and difficult





Alignment 2

Dayton Ave. to Sadler Ct.

Cons

- Large amount of fill needed
 - Requires 20 foot retaining walls
- Larger bridge needed due to skew and span length (approx. 200 feet)



Alignment 3

Dayton Ave. to Sadler Ct.

Cons

Large amount of fill needed

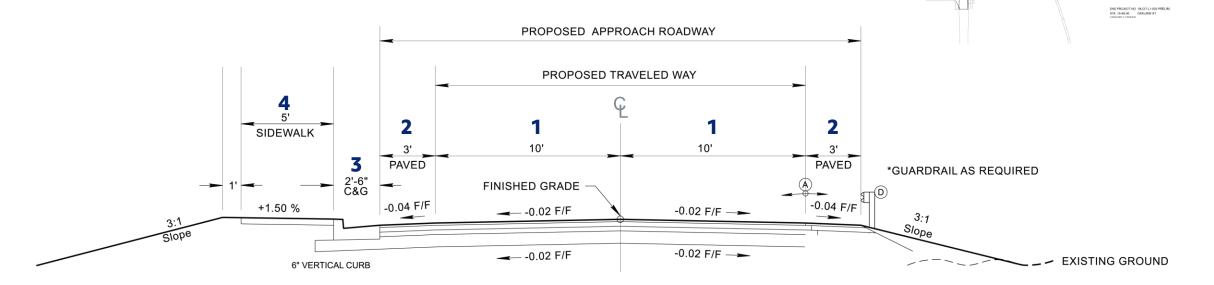
Requires 20 foot retaining walls

 Larger bridge needed due to skew and span length (approx. 200 feet)

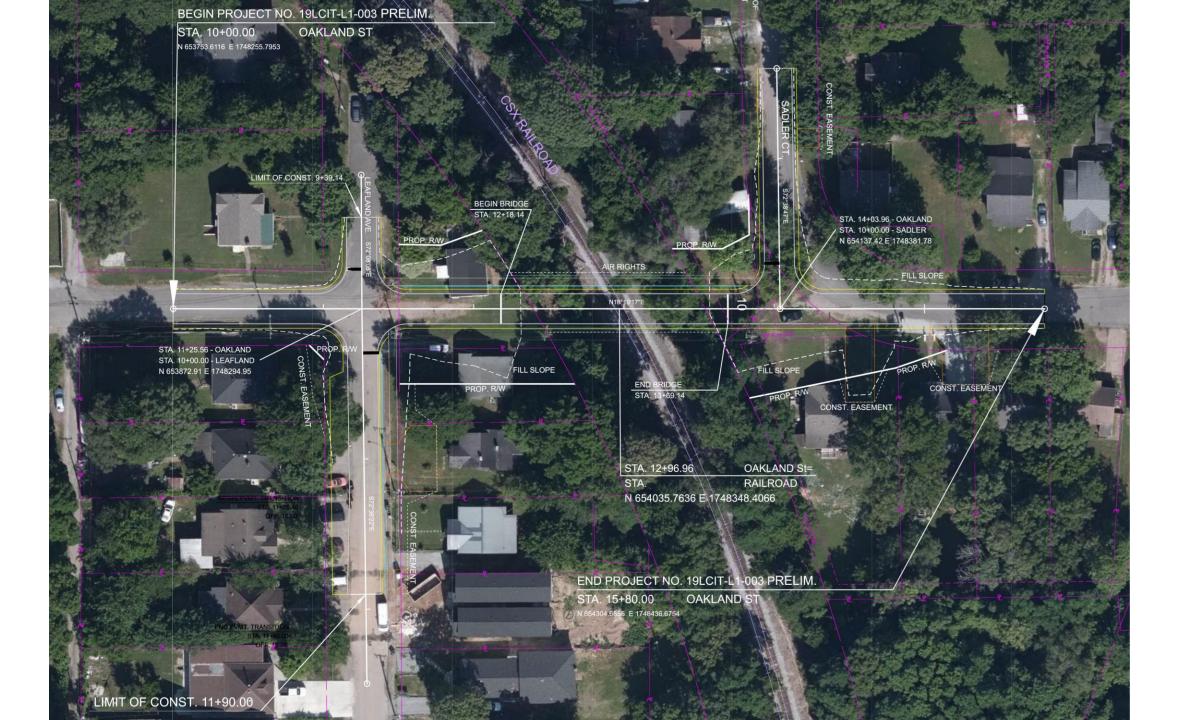


Proposed Improvements - Oakland Street

- 1. Two 10-foot travel lanes
- 2. Three-foot shoulders
- 3. Curb and gutter
- 4. Five-foot sidewalk on western side







TIR Estimated Cost

Estimate

Preliminary Engineering	\$218,000
Other ROW – \$538,000 Utilities – \$30,000	\$568,000
Construction	\$2,180,000
Total Project Cost	\$2,966,000

Inflated Estimate

Preliminary Engineering	\$278,000
Other ROW – \$687,000 Utilities – \$38,000	\$568,000
Construction	\$2,780,000
Total Project Cost	\$3,790,000

- Estimated cost of construction from Transportation Investment Report (TIR) developed by TDOT
- Approximately 0.28 acres of right-of-way is expected to be acquired
- Inflated cost estimate summary is based on a rate of 5% per year for five years
- Estimate from TIR assumes bridge could be constructed without raising the grade of Oakland Street or requiring the relocation of three residences



Line and Grade Cost

Engineering and Construction*	\$8,729,448.82
Other** ROW - \$2,800,000 Utilities - \$610,000 Incentives - 2%	3,505,805.81
Total Adjusted Cost	\$12,235,254.63





^{*} Includes contingencies and RR impacts

^{**} Includes relocation of three residences













Questions?



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