

Fred Poppe Park – Prelim Cost Estimate 1/31/24

FDOT Cost Per Mile Model Reports – Undivided 2 Lane Rural Road with 5' Paved Shoulders (no sidewalks)

\$3,311,000 in October 2022 (cost per mile) - \$627/LF

\$4,054,800 in December 2023 (cost per mile) - \$768/LF

(<https://www.fdot.gov/programmanagement/estimates/documents/costpermilemodelsreports>)

The FDOT historical average has increased by approximately 22% from with the latest postings released in January 2024 that have been updated to reflect roadway costing as of December 2023.

Revised alignment concept calls for 1,320 LF +/- of new 2-Lane Road (Not Including Bridge Length), for a total of 1440 LF new roadway

FDOT Dec 23 estimate has items we will not need:

Deduct \$250k for storm piping not needed from FDOT #

Deduct \$330k for mobilization & MOT from FDOT #

= \$3.5M per mile (\$660/LF) as of December 2023 (Adjusted for this project)

= \$660/LF +/- for Roadway Only = 660*1320 LF

= \$871,000 Roadway Cost Excluding Pond Mods, Lighting, Conduits, Dewatering, Sidewalks, etc.

1,320 LF x (2) Additional sidewalks on both sides of new roadway

=1,320 x 2 x 8' wide (existing loop sidewalk along Championship is only 5' wide)

= 2,347 syd x \$75/syd = **\$176,000 (8' wide sidewalks only for new road)**

Need to add additional items not included in FDOT costs:

Storm Pond Mods = \$300,000 (increased \$100k due to rev alignment)

Lighting & Electrical = \$200,000

Dewatering = \$75,000

Adjusted Estimated Total = \$1,622,000

+ Contingency (20%) = \$324,000

Total Roadway Cost = \$1.95M

No Sewer or Water Costs are included as no improvements are currently included in this cost estimate. However, KH understands per recent communication from the City, there is intention to add utility main extensions to this project. The costs for that effort are not included and will require additional design and construction fees.

Championship Circle Sidewalk Cost

Proposed New 5' wide x 1470 LF from existing parking lot next to ballfields on west side to be extended to the existing walk on NE corner of Regional Park Trail

\$75/syd per FDOT 12 month average x (1470 x 5') / 9 SF/syd = \$61,250

Erosion Control for install (i.e. silt fencing, pipe inlet protection), thermoplastic striping for crosswalks, and minor grading = \$50,000

Total Championship Cir Sidewalk Cost = \$111,250

New Bridge Cost

Current concept calls for 4 lane, 120'-0" bridge with 8' sidewalks on each side:

Total Bridge Cost = \$2.5M

Total Revised Project Cost = \$4.56M

Sidewalk Layout measured below from Aerial Maps

