

OTK PH II S. Elm St Reconstruction 30% Design

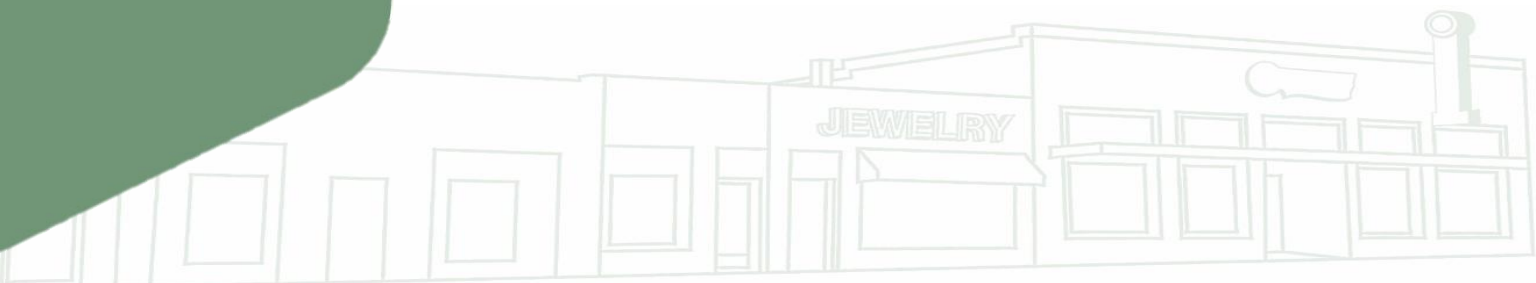
City Council Work Session

September 20, 2022



Agenda

- Bridge Replacement and Enhancement Options
- Street Light Options
- Council Direction

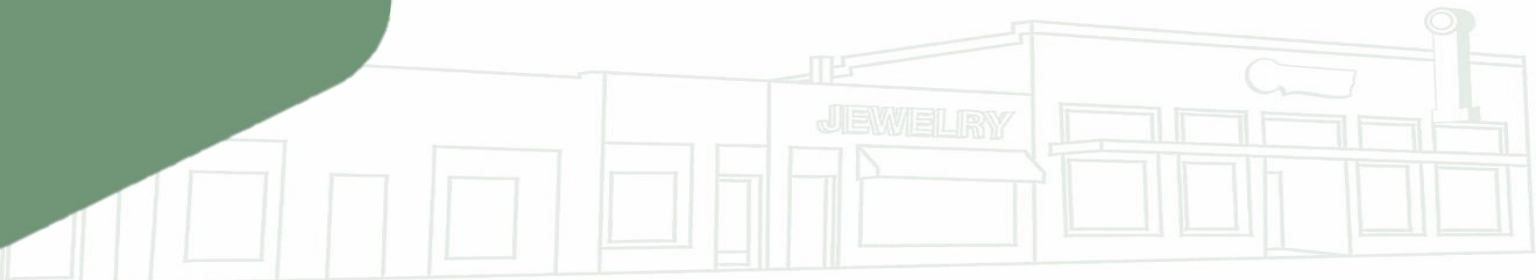




Bridge Replacement and Enhancement Options

Bridge Design Standards

- Replace Existing Bridge
- Meets FEMA and City Requirements
- Accommodates a 100 Year Storm



Recommended Bridge Option

- Brick Façade
- Planter Bed Enhancement
- Shade Enhancement (placed within proposed planter bed)



BRICK FAÇADE



Planter Bed Enhancement

- Raised Planter Beds Between Traffic and Pedestrians



Shade Enhancement

- Shade Over Sidewalk
- Placed Within Proposed Planter Bed



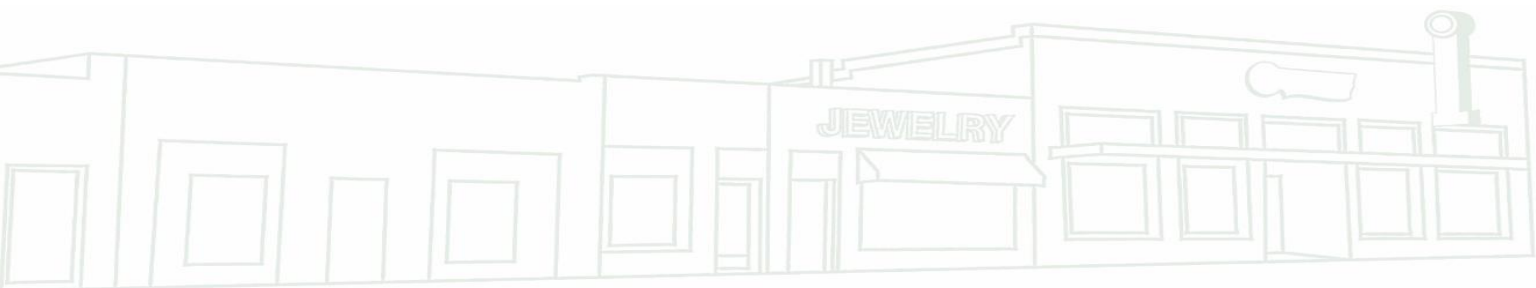
Base Bridge Option

Brick Façade with Black Wrought Iron Pedestrian Railing



Bridge Options

	Construction Cost Subtotal	Construction Contingency	Construction Cost Total w/o Inflation
Bridge with Brick Façade	\$1,850,000	\$555,000 (~30%)	\$2,405,000
Planter Bed Enhancement	\$150,000	\$45,000 (~30%)	\$195,000
Shade Enhancement	\$300,000	\$90,000 (~30%)	\$390,000
Total Cost with Planter Bed and Shade Enhancement (Recommendation)	\$2,300,000	\$690,000	~\$3,000,000



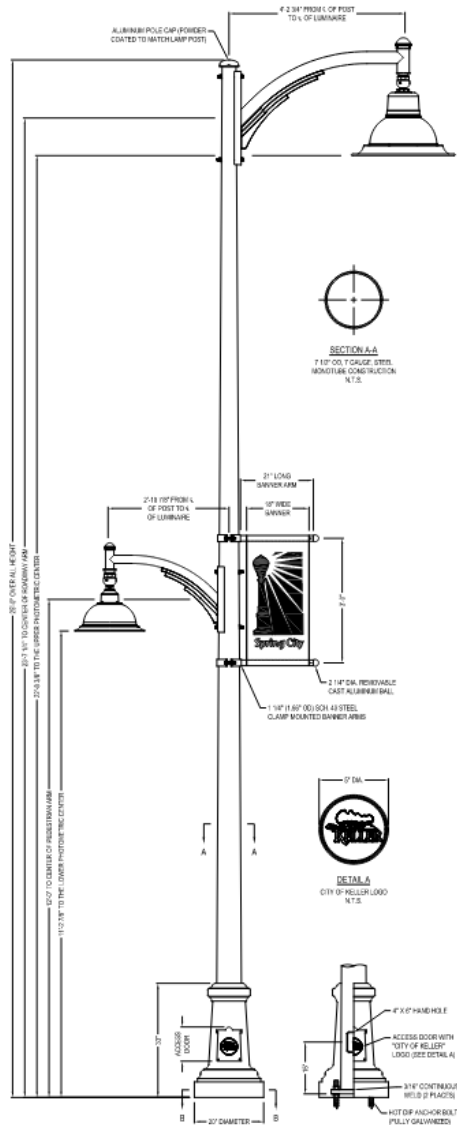


Street Light Options

Recommended Street Light

- Tri-County Pole
 - Vehicle and pedestrian scale luminaire arms
 - Owned & maintained by Tri-County. Monthly lease/usage payment by City
 - ~\$833,000 cost saving





Custom Street Light Option

- Custom Pole:
 - Vehicle and pedestrian scale luminaire arms and clamp-on banner
 - Owned & maintained by City



Council Direction

Council Direction

- Bridge
 - Recommendation: Brick Façade with Planter Bed and Shade Enhancements
 - Cost Reduction Options:
 - No Shade Enhancement
 - No Planter Bed Enhancement
 - Base Bridge: Brick Façade
- Street Lights
 - Recommendation: Tri-County Street Light
 - Optional Custom Street Light (Cost Increase)

