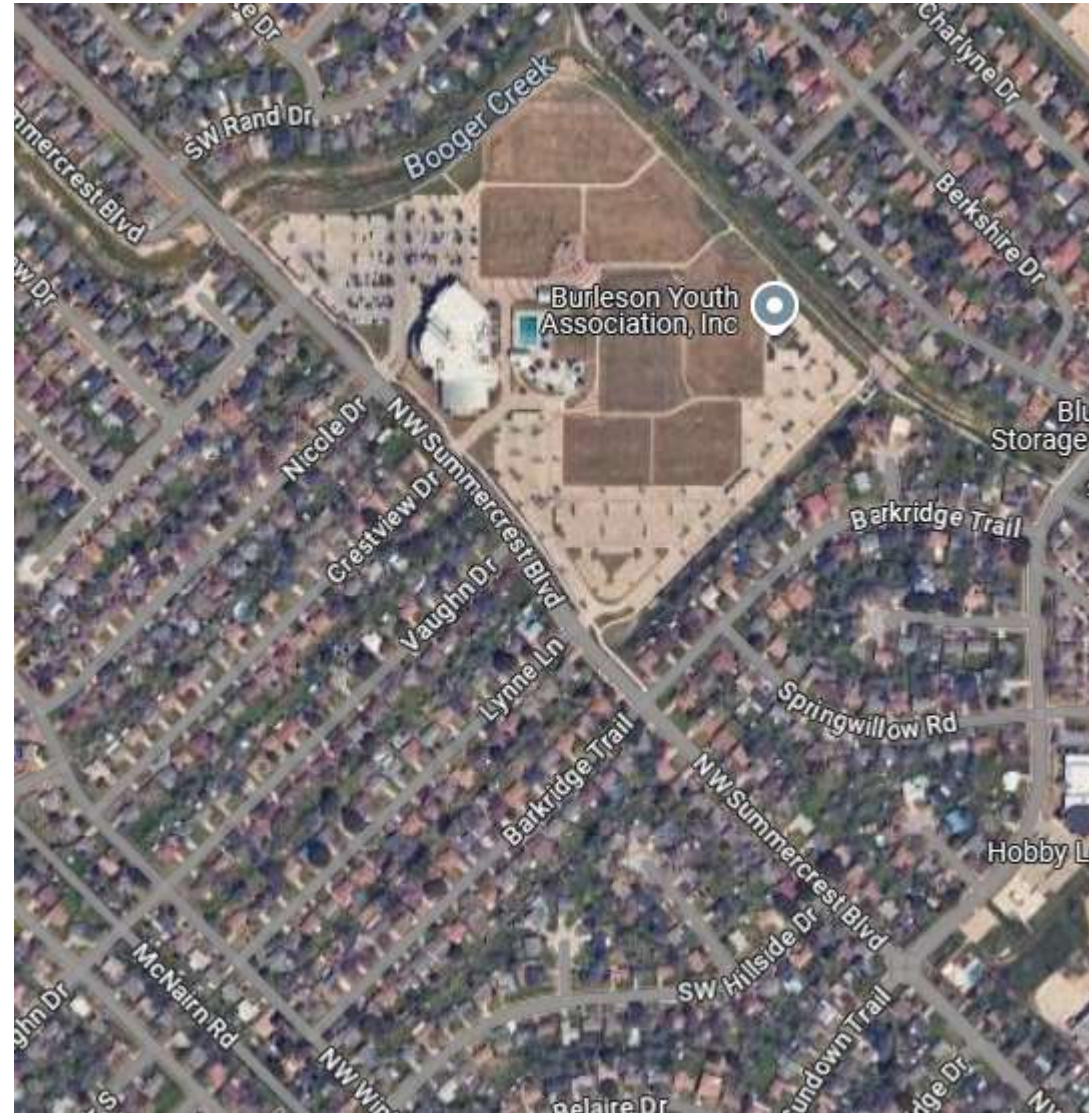


# Summercrest Reconstruction WA2405

November 18, 2024



# Project Overview

- Reconstruction of Summercrest from NW of Nicole Dr to SE of Hillside Dr
- Reconstruct with concrete pavement or asphalt pavement
- Includes water and sewer replacement for a portion of the project.
- Restriping of roadway
  
- Engineers Estimate - \$1,500,000

# Construction Bid Summary

- Invitation to bid issued with 2 submissions received
  - Reliable Paving
    - Concrete: \$1,304,737.32
    - Asphalt: \$1,151,698.30
  - JR West Texas Concrete, LLC
    - Concrete: \$1,645,713.73
    - Asphalt: \$1,465,293.39



# Concrete Vs. Asphalt

## Concrete

- Estimated Time to Reconstruction – 100 years
- Preventative Maintenance (PM) Schedule
  - Joint Sealing at 20 years
  - Small Repairs (5%) at 35 years
  - Medium Repairs (10%) at 52 years
  - Large Repairs (20%) at 65 years

## Asphalt

- Estimated Time to Reconstruction – 50 years
- Preventative Maintenance (PM) Schedule
  - Crack Seal at 7 years
  - Rejuvenator at 15 years
  - Microsurface at 25 years
  - Mill and Overlay at 38 years

Current City Design Standards require the installation of concrete roadways

# Concrete Vs. Asphalt

## Concrete

- Cost to Build - \$1,304,737.32
- Years to Replacement – 100
- Cost per year - \$13,047.37
- Annualized PM cost over 100 years – \$9,584.66
- Total Annual Investment - \$22,632.03

## Asphalt

- Cost to Build - \$1,151,698.30
- Years to Replacement – 50
- Cost per year - \$23,033.97
- Annualized PM cost over 50 years – \$9,084.04
- Total Annual Investment - \$32,118.01

# Contract Funding Summary

- \$1,000,000 - Street Bonds – Reimbursement Resolution approved this evening
- \$650,000 – Previously Issued Water/Sewer Bonds

# Project Timeline



# Recommended Council Action

Approve a bid award to Reliable Paving for the Summercrest Reconstruction project in the amount of \$1,304,737.32 with a project contingency of \$130,473.73 for a total of \$1,435,211.05.



# Questions / Discussion

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