



BOARD OF COMMISSIONERS

AGENDA REQUEST & STAFF REPORT

MEETING DATE: June 24, 2024

SUBJECT: Consideration of Document No. 2024-436, Amendment No. 1 to Contract for Engineering Services for the NW Lower Bridge Way/NW 43rd Street Intersection Improvement Project

RECOMMENDED MOTION:

Move approval of Board Chair signature of Document No. 2024-436.

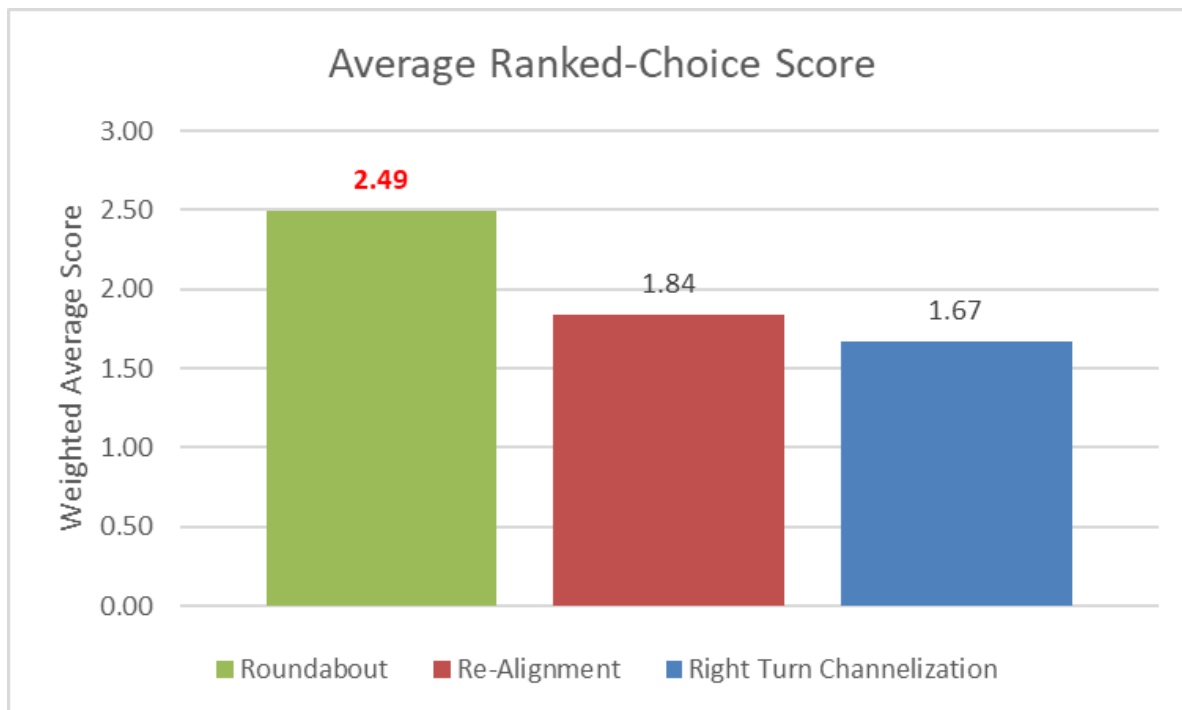
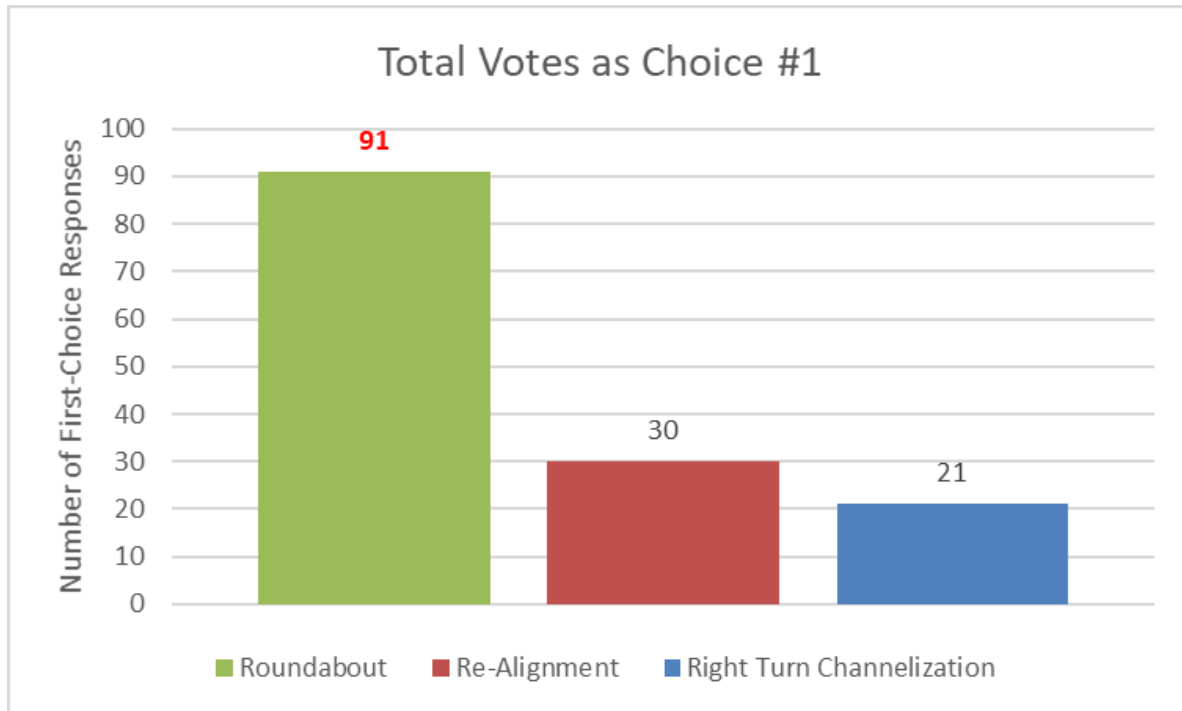
BACKGROUND AND POLICY IMPLICATIONS:

The Contract for Engineering Services for the NW Lower Bridge Way/NW 43rd Street Intersection Improvement Project (Document No. 2023-068) was awarded to Harper Houf Petersen Righellis, Inc. on May 25, 2023. The original Contract covered Phase 1 of the preliminary engineering work, which included:

- Conducting preliminary topographic and boundary retracement survey work.
- Developing alternative improvement concepts for the intersection, including:
 - Separated right-turn channelization for westbound Lower Bridge Way
 - Realignment of Lower Bridge Way and left turn lane for westbound Lower Bridge Way
 - Roundabout
- Preparing an analysis report that included:
 - Current and 20-year horizon period safety and capacity performance for alternative concepts.
 - Crash data analysis to identify safety deficiencies at the intersection.
 - Considerations for planned growth and planned future improvements within the project area.
 - Findings and recommendations for a preferred concept.
- Providing planning level cost estimates for each improvement concept.

Upon completion of the Phase 1 work, the Road Department hosted a virtual open house

between March 8, 2024 and April 19, 2024. The virtual open house allowed public participants to view the three different improvement concepts, read about “pros and cons” for each concept, rank each concept, and provide comments. The Department received 142 individual comments with rankings from public participants. Participant ranked-choice results are as follows:



A general summary of public comments is as follows:

- Roundabout would provide best long-term safety & traffic operations benefit
- Roundabout needs to be sized to accommodate large trucks, motor homes, and

emergency vehicles

- Prioritization for Crooked River Ranch traffic.
- Prioritize improvements to the US97/Lower Bridge Way intersection before considering the Lower Bridge Way/NW 43rd Street intersection (Note: Improvement of the US97/Lower Bridge Way intersection is a part of the well-publicized US97: Lower Bridge Way (Terrebonne) project that will begin construction this summer.)

The Department has determined that the roundabout concept is the preferred alternative because:

- Provides best combination of motor vehicle and bicycle safety
- Intersection operations - LOS A (free flowing, little disruption) for all directions of movement
- Smaller ROW footprint (vs. realignment/turn lane)
- Highest Ranked-Choice Score by public participants in virtual open house.
- Negligible cost difference vs. realignment/turn lane

Amendment No. 1 to the Contract for Engineering Services for the NW Lower Bridge Way/NW 43rd Street Intersection Improvement Project will provide for Phase 2 of the preliminary engineering work, which will include:

- Refinement of the roundabout concept
- Right of way and topographic surveying
- Biological and cultural resource studies and technical memorandums to serve as NEPA documentation for federal land (BLM) right of way acquisition.
- Utility coordination
- Preparing construction plans, specifications, and cost estimates

The additional maximum compensation under Amendment No. 1 is \$457,430.30. The total maximum compensation under the Contract, including Amendment No. 1, is \$627,240.30.

BUDGET IMPACTS:

A portion of the remaining project engineering cost is budgeted in the Road Capital Improvement Plan (CIP) budget for Fiscal Year 2024. The remaining project cost will be included in the proposed Road CIP budgets for Fiscal Years 2025 and 2026.

ATTENDANCE:

Cody Smith, County Engineer/Assistant Road Department Director