

3/21/2024 To: Mayor & Council Update on the Bailey Overpass project. Construction is progressing well but there is a pending Change Order to deal with quantities that were not included in the bid sheet. By contract we pay for actual quantities at the bid prices making the CO necessary. Project is still within budget.-Trent



Bailey Road Expansion – Veterans Drive to S.H. 35

Is it in Budget?		Is it on Schedule for the Current Phase per the Contract?		Community Benefit	
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		Improve traffic reliability and overall mobility throughout the City.
Project Phase?					
Construction					

Highlights:

- On May 8, 2023 (Resolution No. R2023–95) the City awarded a contract to R Construction Civil, LLC for construction services.
- On July 10, 2023 (Resolution No. R2023–94) the City awarded a contract to Aguirre & Fields, LP for construction management and inspection services.
- The Notice to Proceed was issued on November 27, 2023 to R Construction Civil, LLC to begin construction work.
- R Construction Civil, LLC has completed the drill shafts for the new vehicular bridge of Bailey Road east of the Burlington Northern Santa Fe (BNSF) Railway Company’s tracks and installed 3,188 linear feet of 8’x5’ reinforced concrete boxes (RCB) for the stormwater main.

Budget Info:

Funding Sources	Series	To Date	Future	Total Budget
General Revenue - Cash				-
Certificates of Obligation				-
General Obligation Bonds	2020	1,360,000		1,360,000
General Obligation Bonds	2022 PIB	1,325,000		1,325,000
General Obligation Bonds	2023 PIB	4,000,000		4,000,000
General Obligation Bonds	TBS FY24		11,773,000	11,773,000
W/S Revenue Bonds				-
Impact Fee - Debt				-
Other Funding Sources				-
Total Funding Sources		6,685,000	11,773,000	18,458,000

Expenditures	To Date	Future	Total
PER			-
Land		1,000,000	1,000,000
Design	980,709	704,291	1,685,000
Construction	519,133	13,040,307	13,559,440
Construction Management/Inspection		1,511,135	1,511,135
Construction Materials Testing		149,067	149,067
FF&E			-
Total Expenditures	1,499,842	16,404,800	17,904,642



Project Contingency	3%	553,358
Project Balance		-

Schedule Info:

	Base Line	Current
<i>Design Start</i>	August 2019	October 2019
<i>Bid Start</i>	June 2021	February 2023
<i>Construction Start</i>	November 2022	November 2023
<i>Proposed Construction Completion</i>	November 2024	April 2026

Upcoming Work Items:

- R Construction Civil, LLC will continue installing drill shafts for the new bridge of Bailey Road west of the BNSF's tracks and the 8'x5' RCB stormwater main.
- Bridge columns and abutments construction to follow after all drill shafts are completed. The drill shafts installation should be complete by the end of March, 2024.
- Outfall stormwater structure construction will begin once the 8'x5' RCB stormwater main is completed. The anticipated start of the outfall installation is the end of April, 2024.
- Replace the existing water main crossing at Wells Drive/Bailey Road intersection with a new water main pipe.
- A forthcoming construction change order in the amount of \$499,550.58 will be presented to City Council for consideration at the March 25, 2024 meeting. The change order is necessary to account for construction quantity deficiencies on the original bid form. The cost will be at the bid unit prices included in the contract. Funding for this change order will be covered by the project budget under the contingency. Below is a list of the construction pay items and the quantity deficits:

- 1) excavation and backfill for the roadways – 3,650 cubic yard,
- 2) 8'x5' RCB stormwater main – 184 linear feet,
- 3) 36" drill shaft for roadway bridge – 160 linear feet,
- 4) concrete abutment for roadway bridge – 8 cubic yard,
- 5) prestressed concrete girder for roadway bridge deck – 407 linear feet,
- 6) concrete riprap for stormwater outfall – 51 cubic yard, and
- 7) roadway bridge railings – 73 linear feet.

The construction manager and inspection team, Aguirre & Fields, LP, discovered the construction quantity deficiencies as they review monthly invoices against construction plan and pay items. A detailed



description of the pay items and the cost of the additional quantities for each will be included in the forthcoming change order.

Project Manager: Lap Trinh

Construction Manager: Aguirre & Fields, LP

Designer: Freese & Nichols, Inc.

Contractor: R Construction Civil, LLC

Scope: This project consists of widening the current two-lane roadway and railroad overpass segment between Veterans Drive and Main Street (S.H. 35) to a four-lane boulevard section to match the existing roadway cross-sections to the east and west. This 2019 Bond project will include the addition of a new above grade crossing over the railroad to achieve the desired ultimate width as required in the Thoroughfare Plan. The project will also include drainage improvements and the expansion of the current 6' wide sidewalk to a 10' wide shared-use path. These improvements will provide improved vehicular and pedestrian mobility in the east/west corridors by completing the four-lane boulevard from Main Street (S.H. 35) to S.H. 288 with adjacent shared-use path.

Justification: Bailey Road is identified as a Major Thoroughfare and has been on the City's Thoroughfare plan for many years. This project will widen the final segment to the ultimate lane configuration as planned to match the existing cross sections of Bailey Road. The project will improve traffic reliability along the corridor, and overall mobility throughout the City by completing the four-lane segment across the southern portion of the City.

Previous Memos: 07/25/2019, 06/11/2020, 11/05/2020, 02/25/2021, 03/10/2022, and 04/06/2023



Project Location Map





Project Photos:



Roadway bridge drill shaft construction.



Roadway bridge drill shaft construction



Installing new 8'x5' Reinforced Concrete Boxes for stormwater system



Connecting existing storm pipes to new 8'x5' Reinforced Concrete Boxes near Bailey Road/Veterans Drive intersection



Installing new storm lateral pipe to new 8'x5' Reinforced Concrete Boxes storm pipe