

## Memorandum

To: Honorable Mayor and City Council, City of Princeton

From: Jenn Edison, PE, City Engineer, WSB

Date: May 28, 2020

Re: Approve Change Order for the Princeton Trail Connection Project (Great Northern Regional Trail)

### Background

The construction for the Great Northern Regional Trail is nearly complete with the only remaining item being the acceptance of the seeding and restoration. The construction of the regional trail includes federal funding with the balance of the construction and project costs being locally funded. Federal funding for the project may be used for up to 80% of the construction cost with a minimum 20% local match required.

Final construction costs are being negotiated with the Contractor with the only outstanding item remaining to be the seeding quantities which might increase as the contractor continues to establish the final restoration. The additional seeding costs are anticipated in final construction estimate for the base bid is summarized as follows:

	Total Bid	Estimated Final Construction*	Under Contract
GNT Construction	\$908,445.75	\$897,830	\$10,615.75

**\*Remaining restoration is included in the estimated final constructed costs**

Prior to accepting the improvements and approving final payment, some additional construction costs should be paid as part of a change order for work that was outside the contract quantities. The extra work was related to the signal at Rum River Drive/Northland Blvd and can be described as follows:

- During relocation of the signal pole at S Rum River Dr and Northland Blvd it was determined that the wiring in the existing signal pole was not long enough to reach the new cabinet location as noted in the plan. The contractor was directed by the engineer to install new wires to the existing signal pole. The contractor agreed to this extra work to install new wire to the existing but asked to be compensated per Lump Sum for completed work.
- During construction of ped ramps, traffic loops were damaged in order to install new ped ramps and aps system at intersection of S Rum River Drive and Northland Blvd (**West and East CSAH 29** on Northland Blvd) The contractor was directed by the engineer to install new traffic loop detectors. The contractor agreed to this extra work to install new loop detectors but asked to be compensated per Lump Sum for work completed.
- During construction of the revised signal system it was discovered that the contract documents for the signal system revision did not include count down timers. The county requested these be added to the contract. The contractor agreed to the additional work but asked to be compensated per the Lump Sum for work completed. (4 timers at \$670 each).

The total change order results in an increase in the Total Base Bid of \$8,464.90.

	Total Bid	Change Order	Revised Bid
GNT Construction	\$908,445.75	\$8,464.90	\$916,910.65

Based on current construction quantities and the anticipated final restoration items, the final construction is estimated to be:

	Revised Total Bid	Estimated Final Construction	Under Contract
GNT Construction	\$916,910.65	\$906,295*	\$10,615.65

\*Final construction based on estimated remaining restoration items

The Total Project Cost breakdown to date is estimated as follows:

	TAP Funding*	Local Funding	Total
Construction	\$725,036	\$181,259	\$906,295
Design		\$162,037	\$162,037
ROW/Wetland Mitigation		\$39,483	\$39,483
Geotechnical (Material Testing)		\$25,000	\$25,000
Construction Administration		\$95,000	\$95,000
<b>Total</b>	<b>\$725,036</b>	<b>\$502,779</b>	<b>\$1,227,815</b>

\*Original TAB funding approved was \$509,651, additional TAB funding has been made available to fund up to 80% of the construction for the GNT Project.

Supporting Documentation

- Change Order request and Supporting Documentation

Recommendation

Approve change order to fund additional signal work related to the construction of the Great Northern Regional Trail.