



MEMO

TO: President Koultourides and Members of Council

FROM: Dustin Anderson, Town Manager

SUBJECT: 45th Street Grade Separation and Intersection Realignment Change Order

DATE: January 18, 2021

Background

In order to construct Wall Four and excavate the eastern portion of the roadway from the underpass to Southwood Drive, the Canadian National Railroad had to relocate their tracks off of the temporary shoo-fly and back onto their permanent alignment.

This realignment would mean that trains would have to utilize the newly constructed underpass structure.

Canadian National has a special team of skilled laborers that are responsible for this work in our region. Because of the specialized work, the window of opportunity is very narrow. These crews are tightly scheduled and cannot be idled – if a community misses their deadline, they are in essence moved to the back of the line.

While the structure itself was complete, the voids to the north and the south needed to be backfilled so that the rail approaches at either end could be installed.

Methodology

The original solution to backfill the underpass structure was to utilize IN-53 air-cooled blast furnace slag. Availability of this material was limited at the time and waiting would have caused the Town to miss the Canadian National's scheduled relocation of the tracks.

This missed deadline would have resulted in the tracks being relocated in late November of 2020, at the earliest. This would have eliminated any chance of the project being substantially completed in 2020.

The IN-8 crushed stone was utilized as an immediately available and structural equivalent material. The price difference of the two materials was \$3.12 per ton.

The total cost of this cost escalation is \$28,233.82.

If approved, this change order would be %0.138 of the original contract price and the total changes to date would be \$ 1,576,167.75 or a 7.675% increase of the total project cost.

There are sufficient funds in 47191501-64950GS to accommodate this invoice.

Recommendation

Approve Change Order No. 021 for INDOT Contract B-36229 in of \$28,233.82.