



## MEMO

TO: President Mellon and Members of Council

FROM: Dustin Anderson, Town Manager

SUBJECT: 45<sup>th</sup> Street Grade Separation and Intersection Realignment Change Order

DATE: August 17, 2020

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### **Background**

The installation of drainage structures and paving of Calumet and west 45<sup>th</sup> required a detailed choreography of stages and construction phasing to both allow for the work to be done safely, while also facilitating traffic.

The constructability of the initial plan was found to be impractical by the construction engineer and contractor upon attempted implementation.

### **Methodology**

Change Order #7 represents additional phases necessary to complete the construction of Calumet Ave not included in the original contract documents. Phasing provided under the original contract maintenance of traffic did not account for full width construction of Calumet Ave. Phases 3A, 3B, 3C and six interim phases are required in order to complete construction. Construction Revision 3 was added to the contract documents to account for missing phases while maintaining traffic on Calumet Ave and 45<sup>th</sup> St west.

The total cost of this change order is \$190,574.59. Included under this change order are additional mobilizations for limited construction areas causing inefficiencies. Affected construction operations include additional maintenance of traffic, traffic signal head and timing adjustments, asphalt milling, underground storm sewer, aggregate base, curb and gutter, and asphalt paving. Also included under this change order are additional crash attenuator units required for maintenance of traffic during phases 3B and 3C.

Not included in this change order are additional quantities of asphalt paving that will be required as a result of phases 3B, 3C and interim phases to match the existing pavement grades while maintaining traffic. Due to the varying grade changes between existing and proposed at the intersection of Calumet Ave and 45<sup>th</sup> St west and the CN at grade crossing, estimated quantities are not available at this time. Also not included under this change order are various additional quantities of existing items for maintenance of traffic included under Change Order No. 002.

The total cost of Change Order No. 007 is not to exceed \$190,574.59. This is a .928% increase in the total project cost. If adopted, total change orders to date will be \$1,382,108.36 or 6.729%.

### **Recommendation**

Approve Change Order No. 007 for INDOT Contract B-36229.

