

B-36229 45th St – Change Order No. 030 (Overrun and Underrun Items)

Background

In accordance with INDOT Standard Specifications, item quantities resulting in \pm \$20,000.00 or more per item must be adjusted via change order prior to contract finalization.

Methodology

- PLN 25 underrun of pipe removal due to duplicated plan quantities on 45th St and Old 45th St.
- PLN 28 overrun of common excavation due to additional widening at the NW corner of 45th St and Calumet Ave and undercuts for pavement stabilization.
- PLN 29 overrun of unclassified excavation due to undercuts for pavement stabilization on 45th St and Calumet Ave.
- PLN 31 underrun of storm water management budget for quantities not used.
- PLN 34 overrun of subgrade treatment due to pavement stabilization of HMA widening at the NW corner of 45th St at Calumet Ave.
- PLN 38 overrun of B Borrow required to backfill the east and west underpass walls per Contract Question and Answer (CQA) response requiring an aggregate backfill per INDOT specifications, and added backfill between the underpass bottom slab and subgrade treatment not accounted for in the plan quantities.
- PLN 45 overrun of HMA Surface due to added quantity at Camellia Alley Way, and substitution from PLN 48 at the lift station and bike path east.
- PLN 46 overrun of HMA Surface due to added quantity for the elimination of center curb at the west end of 45th St, the extension of 45th St west beyond the project limits due to widening, and the required quantity to complete 45th St from Calumet Ave to Southwood Dr.
- PLN 51 overrun of HMA Intermediate due to added quantity on Calumet Ave to maintain traffic in accordance with added MOT phases to match existing grades during construction per Change Order 7, and increased intersection elevation at 45th St from existing to proposed.
- PLN 52 underrun of HMA Base due to reduced quantity on 45th St between Calumet Ave and Centennial Dr where the existing HMA was not removed.
- PLN 53 overrun of HMA Base due to added quantity on Calumet Ave to maintain traffic in accordance with added MOT phases to match existing grades during construction per Change Order 7, and increased intersection elevation at 45th St from existing to proposed.
- PLN 58 overrun of HMA Wedge and Level due to added quantity on Calumet Ave to maintain traffic following added MOT Phases per Change Order 7, and Camellia Alley Way entrances.
- PLN 59 overrun of Temporary HMA due to added widening quantity at the NW corner of 45th St and Calumet Ave to allow the installation of two EB lanes during construction.
- PLN 61 overrun of PCCP due to the use as substitution for PLN 68 stamped concrete.
- PLN 67 overrun of sidewalk concrete due to increased widths and added locations.
- PLN 68 overrun of stamped concrete due to item not used and replaced by PLN 61 PCCP.
- PLN 74 overrun of curb and gutter due to the use as substitution for PLN 73 on 45th St at the underpass to match the proposed storm sewer casting depths of 24 inches.
- PLN 88 underrun of topsoil due to quantity not used.

- PLN 95 underrun of structural concrete due to displacement of reinforcing bar volume at the underpass.
- PLN 96 underrun of epoxy coated reinforcing bars due to submittal quantity below plan quantity.
- PLN 110 underrun of pipe due to quantity not used. Plan quantity includes pipe length to the center of each drainage structure. Pay quantity includes pipe length to the outside face of each structure.
- PLN 125 overrun of geotextile fabric used for undercut stabilization per Geotech recommendation beyond the estimated quantity of Change Order 6, and added quantity at Camellia Alley Way, Lift Station and Bike Path east.
- PLN 216 overrun of conduit to meet required lighting wiring demands.
- PLN 256 overrun of undercut backfill due to added quantity for additional undercut stabilization of 45th St and Calumet Ave beyond the estimated quantities of Change Order 6.

The total cost of this change order is \$231,504.45 based on final quantities of existing contract items and prior change order items.

If approved, this change order would be 1.127% of the original contract price and the total changes to date would be \$1,873,087.37 or a 9.120% increase of the total project cost.

This change order has been reviewed and approved by our construction engineering firm DLZ as well as INDOT.

Recommendation

By motion and roll-call vote, approve Change Order No. 030 for INDOT Contract B-36229 in the amount of \$231,504.45.