

SUMMARY OF CONTRACT CHANGE ORDERS

TO: Public Works and Transportation Committee
Financial Administrative Committee

FROM: Shane Schneider, County Engineer

SUBJECT: Change Order No. 3
Section No. 15-00038-07-WR
Deerfield Road from Illinois Route 21 (Milwaukee Avenue) to Saunders Road – Phase II
Engineering

Project details:

- The project scope includes pavement reconstruction, adding a center turn lane, intersection improvements at US Route 45/IL Route 21, Portwine Road, and Saunders Road, drainage improvements, new non-motorized facilities, bridge rehabilitation and traffic signal modernization.
- The construction cost is estimated to be **\$46M** with nearly **\$29M** in federal funds secured.
- On May 12, 2020, the County Board approved a Phase II engineering contract with Christopher B. Burke Engineering, Ltd. of Rosemont, Illinois, for \$2,634,307.26 and appropriated \$3,165,000 of Motor Fuel Tax funds for the contract.
- On November 12, 2024, the County Board approved Change Order Number Two in the amount of \$1,026,121 and a supplemental appropriation of \$570,000 of Motor Fuel tax funds.
- The contract included the preparation of detailed engineering plans and specifications, environmental due diligence and permitting, land acquisition, utility coordination, and re-evaluation of the design that resulted in a reduction in the number of impacted property owners (67 down to 42).
- Change Order Number Three includes expanded drainage and structural design (six additional retaining walls and culvert refinements), updated traffic signal plans, ongoing utility coordination, additional topographic survey, renewal of expired environmental clearances, major design integration with Lake County Public Works and the Village of Riverwoods (including the Federal Life redevelopment site), various IDOT requests including a second plan submittal, re-design of the traffic control plans to shorten construction duration, and extensive land acquisition support and federal funding coordination. This required additional consultant effort and increased the engineering plan set from 650 to 969 pages.
- Change Order Number Two addressed unforeseen changes along the corridor, including drainage system re-design to account for new increased rainfall data (Bulletin 75), Des Plaines River bridge modifications to accommodate a sanitary sewer force main, new development impacts (Federal Life property and new Thornton's Gas Station), and additional IDOT documentation requirements.
- Change Order Number One added a detailed traffic control plan for a separate pavement rehabilitation project along Deerfield Parkway from IL Route 21 to IL Route 83.

Contract Summary:

Original awarded contract:	\$2,634,307.26
Change Order No. 3:	\$ 1,206,975.00
Previously approved change order No. 2:	\$ 1,026,121.00
Previously approved change order No. 1:	\$ 20,657.00
Sum of all changes:	\$ 2,253,753.00 +85.6%