



CITY OF NOVI CITY COUNCIL
FEBRUARY 27, 2023

SUBJECT: Approval of the final payments to Florence Cement Company for the Cranbrooke Drive Reconstruction from 10 Mile Road to Village Wood Road (Project 1 - 2020) and Cranbrooke Drive Reconstruction from Village Wood Road to 9 Mile Road (Project 2 – 2021) in the amount of \$56,385.28 and \$98,603.73, respectively, plus interest earned on retainage.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

EXPENDITURE REQUIRED	<u>Cranbrooke (10 Mile to Village Wood)</u> \$ 22,655.65 Roads (Retainage) \$ 33,729.63 Drains (Retainage) \$ 56,385.28 <u>Cranbrooke (9 Mile to Village Wood)</u> \$ 64,460.23 Roads & Sidewalk (Retainage) \$ 15,712.92 Drains (Retainage) \$ 18,430.58 Water Main (Retainage) \$ 98,603.73
AMOUNT BUDGETED	\$ 0
APPROPRIATION REQUIRED	\$ 0
LINE ITEM NUMBER	<u>Cranbrooke (10 Mile to Village Wood)</u> 203-203.00-865.219 Roads 210-211.00-865.219 Drains <u>Cranbrooke (9 Mi to Village Wood)</u> 203-203.00-865.186 Roads & Sidewalk 210-211.00-865.186 Drains 592-592.00-976.117 Water Main

BACKGROUND INFORMATION:

Cranbrooke Drive was identified in recent years as a candidate for reconstruction due to its heavily deteriorated condition. But, since the road is technically classified as a minor-arterial, waited for the proper funding source and amount. The overall size of Cranbrooke Drive would have taken two years worth of Neighborhood Road funds.

Reconstruction of Cranbrooke Drive began in July 2020 with the northern segment from 10 Mile Road to Village Wood Road. Due to the success the City had seen with Florence Cement Company on this first segment, the Engineering Division obtained an approved change order to continue the reconstruction of the southern segment from Village Wood Road to 9 Mile Road. This segment started in July 2021 and both segments were completed, including restoration, in the spring of 2022.

A major contributor to the increased deterioration of Cranbrooke Drive was due to a poor design in roadway slopes and the lack of sufficient drainage systems to pull the surface water away from the substructure. Therefore, the geomotry and storm water infiltration capacities were redesigned by AECOM-Great Lakes to alleviate those deficiencies. Many existing residents along the Cranbrooke corridor were experiencing poor drainage facilities in their yards and their basements. The project included installation of a full-length storm-sump main along the back of curb, with taps and stubs, to each residential property (northern segment only). Some residents were tied-in during the construction and the remainder of residents can tie-in upon request with a certified plumbing inspection.

Within the southern segment (Village Wood Road to 9 Mile Road), the City had existing asbestos-cement (A/C) water main pipes which have always had plans for removing and replacing with a more suitable material. Since the roadway was going to be completely dug up anyway, the project replaced those mains and valves under the new Cranbrooke Drive. Future replacements in this area will not have to disturb the roadway itself.

Also, along the southern segment, residents within the Lakewoode Park Townhomes development requested to City Council, the addition of a sidewalk along the entire length of Cranbrooke Drive from Village Wood Road to 9 Mile Road. Prior to construction, residents were walking in the middle of the road. Therefore, a new 6-foot wide, concrete sidewalk along the east side of Cranbrooke, varying from 5-foot to 8-foot was installed off the back of curb.

The first segment's (10 Mile Road to Village Wood Road) construction contract was awarded at the June 15, 2020 City Council meeting to Florence Cement Company, in the amount of \$2,243,882.95. The second segment (Village Wood Road to 9 Mile Road) was added to the 2020 contract via change order, approved by City Council at the April 12, 2021 meeting, in the amount of \$1,662,156.07. Staff worked with the engineering consultant for this project, AECOM-Great Lakes, to review and verify the final contract payment amounts of \$56,385.28 (2020) and \$98,603.73 (2021) that is due the Contractor. The City Attorney reviewed the final documentation and found it to be in an acceptable form (Beth Saarela, January 17, 2023).

For the 2020 segment, there were three (3) approved change orders issued resulting in an increase of \$11,528.05 or 0.51% over the awarded amount. The approved change orders resulted in a final contract price of \$2,255,411.00.

For the 2021 segment, there were eight (8) approved change orders issued resulting in an increase of \$309,918.60 or 18.6% over the awarded amount. The approved change orders resulted in a final contract price of \$1,972,074.67.

RECOMMENDED ACTION: Approval of the final payments to Florence Cement Company for the Cranbrooke Drive Reconstruction from 10 Mile Road to Village Wood Road (Project 1 – 2020) and Cranbrooke Drive Reconstruction from Village Wood Road to 9 Mile Road (Project 2 – 2021) in the amount of \$56,385.28 and \$98,603.73, respectively, plus interest earned on retainage.