

November 10, 2021

**WHEREAS**, on June 14, 2021, through Administrative Action No. 21-5767, the City of Dallas authorized an Interlocal Agreement with the University of Texas at Arlington to obtain services to perform preliminary study and analysis to predict remaining service life of existing pavement types and develop sustainable and low-maintenance cost effective pavement with a 100-year service life, in an amount not to exceed \$49,000.00; and

**WHEREAS**, this Interlocal Agreement will provide a preliminary comparison of Synthetic-Fiber Reinforced Concrete Pavement in comparison with steel-reinforced concrete pavement, and asphalt concrete pavement systems; and

**WHEREAS**, the Interlocal Agreement will identify potential locations with consideration to traffic volume and identify the appropriate volume of synthetic fibers to use in the concrete mix design through laboratory testing and study of existing literature; and

**WHEREAS**, the next phase of the study will be to monitor and place the Synthetic-Fiber Reinforced Concrete Pavement, and provide long term testing to determine the appropriate concrete mix; and

**WHEREAS**, it is now necessary to authorize Supplemental Agreement No. 1 to the service contract with the University of Texas at Arlington through the Interlocal Agreement to perform infield testing and data collection on Synthetic-Fiber Reinforced Concrete Pavement and other existing paving types for comparison within the City of Dallas and continue the study and analysis to predict remaining service life of existing pavement types, in an amount not to exceed \$900,000.00, increasing the contract amount from \$49,000.00 to \$949,000.00.

**Now, Therefore,**

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DALLAS:**

**SECTION 1.** That the City Manager is hereby authorized to execute Supplemental Agreement No. 1 to the service contract with the University of Texas at Arlington through the Interlocal Agreement, approved as to form by the City Attorney, to perform infield testing and data collection on Synthetic-Fiber Reinforced Concrete Pavement and other existing paving types for comparison within the City of Dallas and continue the study and analysis to predict remaining service life of existing pavement, in an amount not to exceed \$900,000.00, increasing the contract amount from \$49,000.00 to \$949,000.00.

**SECTION 2.** That the Chief Financial Officer is hereby authorized to disburse funds in an amount not to exceed \$900,000.00 to the University of Texas in accordance with the terms and conditions of the contract from the General Fund, Fund 0001, Department PBW, Unit 3008, Activity PB51, Object 3070, Program PBCUR044, Encumbrance/Contract No. PBW-2021-00016426, Vendor 520524.

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**SECTION 3.** That this resolution shall take effect immediately from and after its passage in accordance with the provisions of the Charter of the City of Dallas, and it is accordingly so resolved.