RFP Summary for Design and Construction Engineering Services for Colson Palmer 12ft Storm Line Rehabilitation Project

The City of Dearborn is seeking to address cleaning and dewatering its 12-ft diameter trunk storm sewer line (the Colson Palmer storm sewer line), 1.97-mile-long pipe that runs from the Colson and Palmer intersection to the Rouge River, and developing drawings and specifications for headwall structure. The Colson Pamer stormwater line is a 12-ft diameter, 1.97-mile-long pipe that runs through the center of Dearborn. Its purpose is to funnel stormwater from Dearborn's northeast end to the Rouge River. This stormwater line was originally built well above the Rouge River water line with the intention that it would not need routine maintenance. The design was also intended to allow stormwater to enter and flow freely throughout the line and then empty back into the river. Now rising water levels due to development upstream and more intense rainfall due to climate change has the outfall (end) of the Colson Palmer stormwater line frequently under water. Backwater from the Rouge River now deposits debris and sediment in the stormwater line which reduces the open area in the stormwater line. It is estimated from a physical inspection on June 28, 2021 that the stormwater line is almost half full with water, debris and sediment.

This Project will be funded with CDBG-DR funds.

Through this Request for Proposal (RFP), the City of Dearborn hereby invites experienced engineering firms defined as "ENGINEER" which meet the qualifications set forth herein to submit proposals to provide the services as outlined in the scope of services. The rehabilitation of this stormwater line will consist of the following.

A. Develop drawings and specifications for the isolation of the outfall. Develop concepts to isolate the outfall at Hubbell-Southfield RTB from the existing back water gate chamber.

B. Sampling and testing sediment from the existing 12-ft diameter stormwater

C. Develop drawings and specifications for temporary and permanent dewatering and removal of sediment.

D. Develop drawings and specifications for dewatering pumps to restore the storm line to its full 12-ft open area and increase the storage area for stormwater.

E. Prepare bid documents, contracts and change order, completing the federal David-Bacon as well as section 3 requirement for the project. The consultant is responsible for technical guidance of the project terms involved in construction and rehabilitation.