



City of Rochelle

Engineering Department

Memo

To: Dave Plyman, City Manager

CC: Tim Isley, Supt. of Street Division

Chris Frye, Finance Director

Alan Cooper, City Attorney (via council packet)

From: Sam Tesreau, City Engineer

Date: November 16, 2015

Re: Preliminary Engineering Services Agreement for the 7th Avenue Bridge replacement over the Kyte River (Str. No. 071-6005), pedestrian walkways and necessary roadway approach modifications from Kelly Drive to within 350' west of the new bridge structure.

Encl: (1) Preliminary Engineering Design Services Agreement (PEDS)

1. The replacement of the nearly 50 year old 7th Avenue bridge structure has been a part of the long term capital improvements plan. The Preliminary Engineering Design services phase for the replacement of the 7th Avenue bridge structure, related roadway approach improvements, professional services for necessary right of way acquisition and other drainage and utility systems work was programmed in the FY 2015/16 budget. Wendler Engineering Services has conducted routine bridge inspections and reports, as required by the Illinois Department of Transportation, for the City of Rochelle over the past several years. Previous and current reports identify spalling of concrete, exposed reinforcement, wingwall tipping as well as deterioration of the deck slab, substructure and the pedestrian walkway. The existing bridge structure has been posted at a weight limit of 22 tons as required by the IDOT Bureau of Bridges and Structures due to the condition ratings. This bridge has a limited effective opening for conveyance of water and routinely collects debris and sediment being washed downstream within the waterway. This project has been identified as a multi-year capital improvement project and the engineering design phase will be funded in the current FY 2015/16 budget. The project construction and other related items will be in the FY 2016/17 budget assuming the necessary permits can be obtained within that timeframe. The new structure will be a traditional bridge with updated pedestrian crossings along the north and south sides that will connect into adjacent

sidewalk systems. The new bridge will help increase the effective opening and improve conveyance through this immediate Kyte River area.

2. At this time MFT funds are being considered for partial funding towards the engineering and/or construction. However, the sales tax fund will be used to pay for most or all of the expenses related to the project. If MFT funds are eventually used this agreement will suffice for the IDOT process but a resolution may be required in the future to document that expense. This agreement will need to be approved prior to developing the necessary construction plans, documents, specifications and other supporting information which will ultimately be submitted to IDOT, if necessary, and other applicable state and federal agencies for review and approval prior to the bid letting for the construction project. Engineering and final permit approvals are expected take approximately 9 months. Once construction begins it will take about 4 months to complete the project if there are no utility conflicts encountered during the process. The roadway will be closed to traffic during this time. The PEDS agreement is for a lump sum amount of \$44,000. The ROW/easement plats and acquisition is estimated to cost an additional \$7,500. Furthermore, if environmental services/permitting is required it will be approximately \$10,000. These costs will be made on a time and material basis depending on the extent of the work and addenda will be submitted to the City Engineer, for his review and approval, prior to commencement of any additional work.
3. Please consider approval of the Engineering agreement (enclosure (1)) with Wendler Engineering Services, Inc.