



Legislation Text

File #: 19-966, Version: 1

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of Change Order #2 to Contract 17-085, Design Engineering Services for the North Aurora Road Widening, to TranSystems Corporation for an amount not to exceed \$25,262 and a total award of \$1,406,210.23

DEPARTMENT: Transportation, Engineering and Development

SUBMITTED BY: William Novack, Director of TED

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

City Council awarded Contract 17-085 to TranSystems Corporation in April 2017 for an amount not to exceed \$1,342,673.23. The purpose of this contract is to provide design engineering and land acquisition services to improve North Aurora Road between Frontenac Road and Fairway Drive. Improvements along North Aurora Road include widening the existing three lane road to five lanes and installing a multi-use trail, sidewalks, streetlights, storm sewers and noise walls. The Naperville Township Road District shares jurisdiction of this section of North Aurora Road and is participating in the project per terms of an intergovernmental agreement. A federal grant for \$6,000,000 was also secured for the project.

Change Order #1, in the amount of \$38,275, was approved by City Council August 2018. The change order was processed to design a noise wall adjacent to residential properties and add an additional intersection design study.

DISCUSSION:

The construction of a new large diameter storm sewer pipe is included in the project scope to provide proper drainage and required stormwater detention. The existing right-of-way contains many major distribution facilities for various utilities; as a result, there are limited corridors available for a large diameter pipe. Based on the initial storm sewer design, approximately 2,000 feet of water main is in conflict and needs to be relocated at a cost of approximately \$550,000.

During the review process, the Water Utilities asked the design engineer to re-evaluate the storm sewer design to determine if the water main relocation could be reduced. Being further along in the design process with better information from the various other utilities, the design engineer determined the water main relocation could be reduced to 700 feet by shifting the storm sewer to the south portion of the right-of-way. This will reduce the cost of the water main relocation by approximately \$350,000.

Redesign of the storm sewer will require significant effort to update plan sheets, design calculations and coordinate the change with other utility relocations. The Water Utilities will fund the requested change order in the amount of \$25,262 for the redesign work.

FISCAL IMPACT:

CIP#: SC033, WU05

Redesign of storm sewer is expensed to the infrastructure account listed below as part of the capital improvement program. A total of \$25,000 is budgeted for water utility infrastructure relocations under WU05 in 2019. The requested change order is within budget.

Account Number	Fund Description	Total Budget Amount
41251500-551502	Water Utility Fund	\$11,576,000