


COUNCIL COMMUNICATION

	Number:	19-396	Meeting:	September 9, 2019
	Agenda Item:	7	Roll Call:	19-1368
	Submitted by:	Jonathan A. Gano, P.E., Public Works Director and Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Ordering construction of the following: 519 Foster Drive Landslide Roadway Repair - Receiving bids, (9-24-19), and Setting date of hearing, (10-14-19). Construction Estimate - \$1,287,000.

SYNOPSIS:

Recommend the City Council proceed with construction of the improvement and set dates to receive bids and hold a public hearing, as required by Iowa Code, utilizing the method of financing referenced below. The project consists of repairing and replacing a portion of Foster Drive that was damaged by a landslide by constructing a new retaining wall and drainage improvements.

FISCAL IMPACT:

Amount: \$1,287,000 City Engineer's estimate.

Funding Source: 2019-2020 CIP, Page Street – 25, Roadway Rehabilitation – Collector, ST217, Gaming Monies

ADDITIONAL INFORMATION:

- The Engineering Department has prepared plans, specifications, form of contract documents, and City Engineer's estimate for the construction of the 519 Foster Drive Landslide Roadway Repair, 06-2019-023. The improvement includes clearing and grubbing, excavation, soldier beam and lagging retaining wall, grading, rip rap, 18-inch and 24-inch Reinforced Concrete Pipe (RCP) storm sewers, storm intakes, turf reinforcement mat, pavements, guard rail, and other incidental items; all in accordance with the contract documents, including Plan File Nos. 612-060/075, located at 519 Foster Drive.
- The estimated construction cost is \$1,287,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's office.
- During the weekend of May 18/19, 2019, a section of Foster Drive began moving and was temporarily closed after several heavy precipitation events occurred. The approximate 120 feet section of the broken pavement is located along the west/northwest side of the street between the driveways of 519 and 630 Foster Drive. Additional rainfall events occurred over the next week followed by additional settlements and horizontal movements of the street.



Site Map: Overview of the approximate landslide boundary.



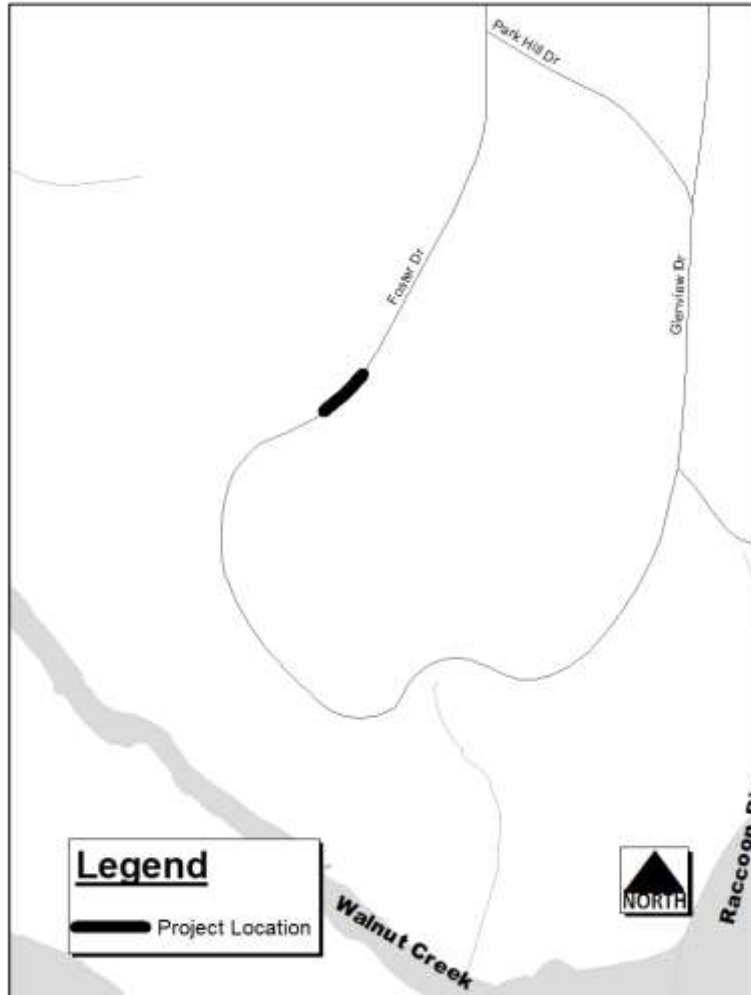
Image 1: View looking southwest of the north end of the affected pavement section on May 24, 2019.

- To help protect the existing sewer, watermain, and communication utilities that are located on the east side of the street, sheet piling was installed between approximately May 28 to June 5, 2019.



Image 2: View looking SW after sheet pile installation.

- Construction of the permanent solution, which includes constructing a soldier beam and timber lagging retaining wall with drainage improvements along with restoring the roadway, is anticipated to start this fall and be completed in late spring/early summer of 2020.



PREVIOUS COUNCIL ACTION(S): NONE

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Anticipated actions include public hearing, receive and file bids, designate lowest bidder, approval of contract and bond, partial payments to the contractor and final acceptance of work.

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