



Memo

TO: Mayor Manier and City Council
FROM: Ed Andrews, PE - Public Works Director
DATE: May 15, 2019
SUBJECT: South Main Street Deck Repairs

The need to undertake deck repairs at the South Main Street Bridge, S/N # 090-6000 was discussed at the both the Public Works Committee meeting of May 6th and the Committee of the Whole Meeting of on May 13, 2019.

These repairs are more extensive than previously undertaken by in-house staff and as such are recommended to engage 3rd party contracted assistance. While City staff were able to sound the deck and establish preliminary patching quantities, there is an inherent variability to a square yard approach since the repairs are required to remove back to sound concrete. Repairs will follow IDOT Guideline GBSP28, using partial depth repairs with PP Concrete instead of the epoxy repairs previously performed in-house. The goal is to extend the serviceability of the deck at least another 5 years before tentative replacement is scheduled at 60 years of service life.

The recommendation is to undertake these repairs under standard IDOT rates (prevailing wage) as a time and materials basis. As such a budgetary allowance of a 3-person crew, foreman, laborer and finisher has been established working three 2-day work weeks (Monday & Tuesday) at 9 hours a day, breaking out the unsound concrete and pouring it back on the second day.

In an effort to reduce cost, traffic control will be provided by the City. Work would be conducted one lane at a time, leaving two open at all times and shifting to the other lane(s) weekly as the concrete cured sufficiently to allow the traffic shift.

It is recommended to contract with RA Cullinan in a time and materials, not to exceed amount of **\$23,885.17** for this work.

This matter has been placed on the City Council agenda of Monday, May 20th, 2019 for review and approval.

cc: File



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Quote To: City of Washington

Job Name: Bridge Repair

Project Location:

Date of Plans:

Bid Date:

FSA:

Addendum:

Attn: Ed Andrews

Phone:

Mobile:

Fax:

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
10	DECK REPAIR	1.00	LS	23,885.17	23,885.17
GRAND TOTAL					\$23,885.17

NOTES:

Excludes all permits, fees, bonds, warranty bonds, etc.

R.A. Cullinan has prepared this cost budget for a preliminary estimate for the bridge patching as described by Mr. Andrews.

The actual work will be performed on a time and material basis, hoping to reduce the total cost of the project, although there are some unknowns to the actual need of the repair.

The city will furnish all other traffic control / lane closures and make the traffic swithes once the patches in the deck come up to strength. Including flaggers if required.

RAC has the project figured in 3 stages.

RAC will use all state approved materials as directed by Mr. Andrews. Our PCC QC lab is also state approved with certified technicians.

This worked is figured on a 9 hour shift per day.

Thank you for the opportunity to bid on this project. We look forward to working with you.

Tom Wall

R. A. Cullinan & Son

a division of United Contractors Midwest, Inc.

Signed _____

Signed _____

Date _____

Date _____