

INDEPENDENCE CITY COMMISSION

SPECIAL SESSION AGENDA

April 4, 2023

11:00 AM

Civic Center Memorial Hall

To participate by conference call:
1 785-289-4727 Conference ID: 658 451 268#

The Agenda shall be as follows:

- I. SPECIAL SESSION
 - A. Call to Order
- II. ITEMS FOR COMMISSION ACTION
 - A. Consider authorizing road and box culvert repairs to Wells Drive.
- III. ADJOURNMENT



REQUEST FOR COMMISSION ACTION
CITY OF INDEPENDENCE
April 4, 2023

Department Public Works & Utilities

Director Approval John Garris

AGENDA ITEM Consider authorizing road and box culvert repairs to Wells Drive.

SUMMARY RECOMMENDATION Approve repair.

BACKGROUND The roadway at Wells Drive has failed. The culvert, a large iron or steel structure, appears to be in adequate shape for extended use. The roadway has also failed because upstream waters have eroded the fill material above the culvert and below the roadway leaving a void under the road surface. The road has been closed since this was discovered on March 7, 2023.

Due to the relatively high volumes of work and relatively low volume of contractor interest, working with TranSystems a price was requested from J. Graham Construction, Inc. to repair the existing road surface, install a concrete structure upstream to prevent recurrence of the undermining, and downstream placement of rip rap to protect against erosion. The total cost of this work is estimated at \$70,450 exclusive of inspection.

Doing the work in this fashion also saves the cost required for engineering drawings for bidding, which also increases the speed of the solution.

If awarded to J. Graham, the project will likely be completed in 45-60 days which is in a timeframe that would fit with FEMA reimbursement for eligible items. Since the “as quoted” design varies from the previous design sent to FEMA, it is uncertain how much FEMA will reimburse the City for, but it is likely in the range of \$30,000 to \$40,000 at a minimum. The change was made due to the difficulty in installing downstream structures that would not be undermined, and was replaced by an additional quantity of rip rap.

FEMA is involved in this project because the City has been working with them to fix damages due to the flooding in 2019. This has been a rather long and involved process, and we just received notice that they were funding the repairs prior to the hole appearing in the roadway.

Either an appropriate contract or a change order to an existing contract will be created for this work.

TranSystems has reviewed the pricing and concluded that it is reasonable for the scope of work.

FINANCIAL INFORMATION Funds from this will be from the Street Capital Fund.

SUGGESTED MOTION I move to approve a repair to Wells Drive by J. Graham in the approximate amount of \$70,450, and the execution of any necessary documents.

SUPPORTING DOCUMENTS

1. Indy Park Culvert Quote

J. Graham Construction, Inc.

1306 S. Elm St.
Coffeyville, KS 67337
Phone: 620-948-5088
Fax: 844-273-3205
Cell: 918-232-6728
E-Mail: bustos.colten@jgrahamconstruction.com

To: Transystems

From: J. Graham Construction, Inc.

Subject: Quote to Repair Road and Box Culvert

Date: 4/3/2023

Quote to Make Box Culvert Improvements, and Repair the Road.

**Includes: (Equipment, Materials, and Labor) Overall Cost Minus 18" Rip Rap
(Total = \$60,250.00.)**

1. Removal of Existing Structures includes demoing the old stone wing walls, tree stumps, old guard rails and posts, and removing and filling the old well. **Total = \$5,000.00**
2. The construction of (2) new concrete wing walls approximately 12'-0" long, 8" thick, and tapering from 8' to 4' on both sides. These shall connect into a newly constructed head wall approximately 12'-0" wide, 8" thick, and 8'-0" tall. All walls shall be reinforced with #4 rebar 12" O.C., and constructed on top of formed 2' wide by 2' thick concrete footings reinforced with a #4 rebar mat 12" O.C.
Total = \$25,000.00
3. The construction of a new spill way slab between the wing walls 6" thick, reinforced with Heavy Duty WWF, and a 2'-0" deep by 1'-0" thick toe wall. This will be done in (2) separate pours due to the flow of water. **Total = \$10,300.00**
4. Remove approximately 17'-0" x 25'-0" of old road and base material. Replace with 8" thick uniform concrete pavement reinforced with Heavy Duty WWF, on top of 6" thick layer of compacted AB-3. Both sides of the road shall have a 3'-0" tall by 6" curb poured on top. **Total = \$9,950.00**
5. Old guard railing shall be reutilized and set using new 4" x 6" treated wood posts. **Total=\$2,500.00**
6. Backfill, Seeding, and Cleanup. **Total = \$3,500.00**
7. Mobilization. **Total = \$4,000.00**
8. 18" Rip Rap. **Unit Price Per Ton = \$85.00**

Excludes

1. Taxes
2. Surveys
3. Erosion Control
4. Utility removal or relocation

Notes:

1. Any suitable fill material will be wasted on site.
2. Any trees and limbs that were cut down are to be removed before construction starts.

Thank you