

JUSTIFICATION FOR CHANGE

PROJECT: Town Branch Trail Phase 4&5

CONTRACT NO. 209-2015

CONTRACT MODIFICATION NO.: 3

1. Necessity for change: To fund a landfill impact study and hydroexcavating for utility locating along project corridor.
2. Is proposed change an alternate bid? ___Yes ___x___No
3. Will proposed change alter the physical size of the project? ___Yes ___x___No
If "Yes", explain.
4. Effect of this change on other prime contractors: N/A
5. Has consent of surety been obtained? ___Yes ___x___Not Necessary
6. Will this change affect expiration or extent of insurance coverage? ___Yes ___x___No
If "Yes", will the policies be extended? ___Yes ___No
7. Effect on operation and maintenance costs: N/A
8. Effect on contract completion date: N/A

Mayor_____
Date

CONTRACT HISTORY FORM

Project Name Town Branch Trail Phase 4&5
Contractor: Palmer Engineering
Contract Number and Date: 209-2015 July 7, 2015
Responsible LFUCG Division: Engineering

CONTRACT AND MODIFICATION DETAILS

A. Original Contract Amount:	\$	<u>666,502.00</u>	
Next Lowest Bid Amount:			
<u>NA</u>			
B. Amount of Selected Alternate or Phase:	\$	<u> </u>	
C. Cumulative Amount of All Previous Alternates or Phases:	\$	<u>666,502.00</u>	
D. Amended Contract Amount:	\$	<u>666,502.00</u>	
E. Cumulative Amount of All Previous Change Orders:	\$	<u>73,500.00</u>	<u>11.0%</u> <i>(Line E / Line D)</i>
F. Amount of This Change Order:	\$	<u>46,000.00</u>	<u>6.9%</u> <i>(Line F / Line D)</i>
G. Total Contract Amount:	\$	<u>786,002.00</u>	

SIGNATURES

Project Manager:		Date: <u>3-18-24</u>
Reviewed by:		Date: <u>03/18/24</u>
Division Director:		Date: <u>3/22/24</u>

Town Branch Phase 5 Contract Modification #3

Please find attached a price proposal for Contract Modification No. 3 for Town Branch Trail Phase 4 & 5 design services.

To insure the post-construction integrity of the closed Old Frankfort Pike landfill, we will subcontract Kenvirons to evaluate the project's short and long-term impact on the landfill, and provide a report of their findings. Kenvirons' price proposal is attached to this letter.

Due to the potential for multiple utility relocations within the project corridor and outside public right-of-way, we are proposing to perform physical utility locations at this stage to more accurately assess the potential for utility conflicts. Utilities within the areas identified in the attached scope will be clearly marked, then a subcontractor will hydro-excavate the identified utilities within each area. Surveyors will then collect horizontal and vertical data for each excavated utility, and the data will be added to the design drawings to further assess potential conflicts at each location. The utility location work is being proposed as an allowance and will be billed at a daily rate. The unit prices shown in the attached scope may vary from the actual work performed, e.g. Maintenance of Traffic may not be required on some work days. Unit pricing includes site restoration for excavation activities. Invoices for this contract modification will be based on actual amount billed by the subcontractor, but total cost of the utility location work for this contract modification is not to exceed \$36,000.

Landfill Impacts Report **\$10,000**

Subsurface Utility Locates (Daily) **\$36,000**

Survey	\$1,600
Utility Locating	\$3,400
Maintenance of Traffic	\$1,200
CAD Update	\$1,000

Assumes 2 locations per day @ \$7200/day for 10 locations

The areas to be located are:

1. 408+00 to 409+00
 - a. Locate the WM west of the proposed culvert and where it 90s south towards Bizzell Drive,
 - b. At the proposed culvert location and
 - c. East of the culvert where the proposed ditch crosses the WM
2. 412+00
 - a. Locate the WM at the proposed culvert location
3. 416+00 to 416+50
 - a. Locate the WM at the proposed 30" culvert location, and verify the extents of the encased WM
 - b. Locate where the WM tees to the north around 416+00
 - c. Verify the FO starts/ends at 416+50 as shown on the plans
4. 418+50 to 419+00
 - a. Locate the WM where it tees approximately at the same location as the proposed 24" culvert
 - b. Verify the extents of the encased WM
5. 453+50 to 454+50
 - a. Locate the WM where the proposed ditch is above the WM
6. 456+00 to 457+50
 - a. Locate the WM where the trail and proposed 36" culvert will cross the WM
 - b. Locate the sanitary line at approx.. 457+00 and verify it continues to the south
7. 465+50 (in ROW)

February 5, 2024

Mr. Stephen Sewell, PE, PTOE
Project Manager
Palmer Engineering
400 Shoppers Drive
Winchester, KY 40391

RE: LFUCG Town Branch Trail
Old Frankfort Pike Landfill Impacts Evaluation
Cost Proposal

Dear Mr. Sewell:

Kenvirons is pleased to submit this cost estimate to complete an evaluation of the Town Branch Trail bridge construction impacts on the Old Frankfort Pike landfill. The anticipated scope of work is based on your January 4, 2024 email, our meetings on January 5 and 26, 2024 and initial review of the project documents provided by yourself and Patrick Jorgensen (LFUCG).

Scope of Work

- Review provided record landfill drawing sets (July 29, 2004 and October 11, 2004).
- Review Town Branch Trail bridge construction documents (landfill cap penetration design, cap performance and impacts to subsurface landfill infrastructure).
- A professional engineer will perform a site visit to review existing cap conditions and features that may be relevant to the project. The site visit includes travel to the site and 2-hours of on-site time.
- Review correspondence from the Kentucky Division of Waste Management (KDWM) and their suggested landfill cap penetration seal recommendations.
- Evaluate constructability and expected performance of the KDWM recommended penetration seal and if there is a better solution. Research use of the recommended cap seal design and past performance data.

- Review construction documents for trail impacts to the landfill cap. This task will focus on cap disturbance related to excavation and maintaining minimum cap components, thicknesses and surface water controls.
- Provide specification support to Palmer Engineering for cap repairs, erosion prevention and cap disturbance restrictions for construction activities.
- Guidelines/suggestions for cap inspections during and post construction.
- Deliverables: Provide a project review summary and recommendation letter/report including potential cap penetration seal alternatives, if applicable.
- One (1) Teams meeting is included to review/discuss deliverables, if needed.

Estimated Project Cost

The estimated costs to perform the scope of work described above is as follows:

***Estimate Total* \$10,000.00**

If you should have any questions or need additional information, please feel free to contact me at 502-695-4357.

Respectfully Submitted,



Tim Oakes, P.E.
Vice President