



The Stables Building
2081 Clipper Park Road
Baltimore, MD 21211

October 27, 2021

Township of Kennett, Chester County
801 Burrows Run Road
Chadds Ford, PA 19317

RE: Chandler Mill Road – Task Order #09 – Full Design Services Chandler Mill Road Greenway Segment
Biohabitats Project Number 20022.09

Subject: Scope of Work and Fee for Change Order #2 – Supplemental Engineering Services

Dear Eden:

The Biohabitats team is requesting approval to provide supplemental engineering services for completing the final design for the Chandler Mill Greenway Trail. Based on the feedback that we received at the October 17th Open House, additional traffic data collection and analysis is necessary to respond to the questions that our team received from residents about current speeds along Chandler Mill Road and post pandemic pedestrian and bicycle traffic volumes. In addition, this additional data and analysis will assist our team with determining the placement of additional traffic calming features and embankment improvements along the south side of the roadway to increase line of sight for northbound vehicles approaching bicyclists and sharing the roadway space with vehicles.

Our team is providing the attached scope and fee for the supplemental engineering services.

Provided the proposed scope and fee are acceptable for this requested change order, please sign below and return a fully executed copy to Biohabitats at the email address listed below or to our mailing address above. This will serve as our formal notice to proceed.

If you have any questions regarding our change order, please contact me by phone (443-962-2630) or by email at jfavret@biohabitats.com. If this change order is not accepted within 30 days from the date of receipt, Biohabitats reserves the right to withdraw the change order.

Sincerely,

Jim Favret, Assoc. DBIA
Construction Coordinator
Biohabitats, Inc.





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Client: Kennett Township

Signing of this Change Order authorizes Biohabitats to initiate the Work Plan in accordance with the Scope of Work, Schedule, and Fee and Terms as provided in the master services agreement dated June 3, 2020. All contract questions can be sent to contracts@biohabitats.com.

Signature

Name, Title

Date





SCOPE OF WORK – CHANGE ORDER 2 -SUPPLEMENTAL ENGINEERING SERVICES

1. Through this change order, the Biohabitats team plans to perform additional traffic data collection and analysis as well as embankment review and all project management and expenses needed to complete the work.
2. The Township shall provide the following information or services as required for performance of its services outline herein:
 - a. Prompt review and conference of change order status.
3. The scope of work does not include identification or remediation of hazardous, toxic or radioactive waste.
4. All work not expressly stated in the work plan below is excluded from this scope and fee.
5. No permit fees are included in this scope of work.
6. No meetings are included in this scope of work.
7. This change order is valid for a period of 30 days, after which it may be renegotiated.

WORK PLAN

PHASE 1—SCOPE OF WORK- SUPPLEMENTAL ENGINEERING SERVICES

Task 1 Traffic Data Collection and Analysis

The Biohabitats team will set-up four (4) Automatic Traffic Recorders (ATRs) outside the limits of the temporary “One Lane/Two Way” sections to collect traffic volumes, speeds, and class data for five days (Wednesday to Sunday). To supplement this data, our office will perform a travel time run on two separate days: (1) with implementation of the one lane pilot program and (2) upon removal of the one lane pilot program. In addition, we will set-up two (2) Miovision units to collect and process vehicle, pedestrian and bicycle movements for four (4) days (Thursday to Sunday). All of the traffic data will be summarized in tables to communicate to stakeholders and utilized for the final design modifications of the “One Lane/Two Way” sections and for selecting the locations of the additional traffic calming features.

DELIVERABLES FOR TASK 1:

- Traffic data summarized in tables

Task 2 Embankment Evaluation

The Biohabitats team will conduct a field evaluation of two to three locations along the northbound side of Chandler Mill Road for the purpose of determining a solution to increase line of sight for northbound vehicles approaching bicyclists, sharing the roadway space with vehicles. The proposed solution will include clearing and grading the existing embankment areas.

DELIVERABLES FOR TASK 2:

N/A

Task 3 Project Management and Expenses

The Biohabitats team will oversee and manage all work outlined in this change order. This work will be scheduled and coordinated amongst all relevant parties including Square Roots Collective and Kennett Township. All expenses for this work are covered in this Task.

DELIVERABLES FOR TASK 3:

- General management and coordination of Task 1 and Task 2 throughout the duration of the work.

SCHEDULE

The Biohabitats team is prepared to initiate this work upon receipt of written authorization to proceed. It is anticipated the majority of the final design will be completed by the end of 2021. The project will not be ready for bidding until the right-of-way is secured and the environmental permits are approved. This process will extend into 2022.

FEE

Compensation to Biohabitats for the services described herein are in accordance with the Scope of Work, Work Plan and Schedule specified above. The LUMP SUM fee including expenses to perform this work is as follows:

PHASE/TASK	LUMP SUM FEE
PHASE 1- SCOPE OF WORK- SUPPLEMENTAL ENGINEERING SERVICES TOTAL FOR TASKS 1, 2 & 3	\$11,910.00
CHANGE ORDER 2 - BREAKDOWN	
Task 1 – Traffic Data Collection and Analysis	\$5,060.00
Task 2 – Embankment Evaluation	\$5,200.00
Task 3 – Project Management and Expenses	\$1,650.00