



LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
Department of Planning, Preservation & Development
Division of Engineering

Jim Gray
Mayor

Derek J. Paulsen, Ph.D.
Commissioner

MEMORANDUM

RECEIVED

APR 30 2015

Division of Grants & Special Programs

TO: Irene Gooding
Director of Grants and Special Programs

FROM: A. Bradley Frazier, P.E. *ABF 4/30/15*
Urban County Engineer

DATE: April 30, 2015

RE: Newtown Pike Extension Contract Modification #16

Enclosed please find the Contract Modification #16 for the Newtown Pike Extension Project. The purpose will be to amend Stantec's (Formerly Entran) contract to maintain the NPE web site (additional year), additional work for Right-of-Way acquisition, re-design Merino and DeRoode Street, utility relocation (Phase II Construction) coordination, sanitary sewer relocation coordination, environmental covenants and mitigation coordination, geotechnical investigations for the neighborhood and structural design of the large retaining wall behind the Harry Gordon Steel site. Two sub-consultants also are included with this Contract Modification. Hall-Harmon Engineers shall provide additional property research, design of additional Sanitary Sewers for the neighborhood, construction staking, inspection and design staking, subdivision redesign and alternative development for grading. EHI shall provide additional consultation for the Lexington Community Land Trust for housing development, securing housing subsidies, securing housing mortgage financing, assisting with funding and developing policies.

The funding for this Contract Modification #16 is available from Supplemental Memorandum of Agreement No. 2. The total amount for Contract Modification #16 is \$1,109,906.

CC: Robert Bayert, P.E.
Andrew Grunwald, P.E.
File

15.P031.403.IreneCO-16

H O R S E C A P I T A L O F T H E W O R L D

101 East Vine Street, Suite 400

Lexington, KY 40507

(859) 258-3410

FAX (859) 258-3458

www.lexingtonky.gov

CONTRACT HISTORY FORM

Project Name: Newtown Pike Extension
Contractor: Entran (Formerly American Consulting Engineers, PLC)
Contract Number and Date: 4661 October 11, 2001
Responsible LFUCG Division: Division of Engineering

CONTRACT AND CHANGE ORDER DETAILS

A. Original Contract Amount:	\$	<u>1,666,698.99</u>	
Next Lowest Bid Amount:			
<u>N/A</u>			
B. Amount of Selected Alternate or Phase:	\$	<u> </u>	
C. Cumulative Amount of All Previous Alternates or Phases:	\$	<u>1,666,698.99</u>	
D. Amended Contract Amount:	\$	<u>1,666,698.99</u>	
E. Cumulative Amount of All Previous Change Orders:	\$	<u>7,838,202.40</u>	<u>470.3%</u> <small>(Line E / Line D)</small>
F. Amount of This Change Order:	\$	<u>1,109,906.00</u>	<u>66.6%</u> <small>(Line F / Line D)</small>
G. Total Contract Amount:	\$	<u>10,614,807.39</u>	

SIGNATURES

Project Manager:	<u>Andrew Grunwald</u> Andrew Grunwald, P.E.	Date: <u>4/28/15</u>
Reviewed by:	<u>Robert Bayert</u> Robert Bayert, P.E.	Date: <u>4/29/15</u>
Division Director:	<u>Bradley A. Frazier</u> Bradley A. Frazier, P.E.	Date: <u>4/29/15</u>

AMENDMENT NO. 16
Newtown Pike Extension Project
Contract Dated October 11, 2001

Purpose/Reason for Amendment:

The purpose will be to amend Stantec's (Formerly ENTRAN) contract to maintain the NPE web site (additional year), additional work for Right-of-Way acquisition, re-design Merino and DeRoode Street, utility relocation (Phase II Construction) coordination, sanitary sewer relocation coordination, environmental covenants and mitigation coordination, geotechnical investigations for the neighborhood and structural design of the large retaining wall behind the Harry Gordon Steel site. Two sub-consultants also are included with this Contract Modification. Hall-Harmon Engineers shall provide additional property research, design of additional Sanitary Sewers for the neighborhood, construction staking, inspection and design staking, subdivision redesign and alternative development for grading. EHI shall provide additional consultation for the Lexington Community Land Trust for housing development, securing housing subsidies, securing housing mortgage financing, assisting with funding and developing policies.

Original Contract Amount	.....<u>\$1,666,698.99</u>
Amendment No. 1	.....<u>\$ 70,049.00</u>
Amendment No. 2	.....<u>\$ 128,900.00</u>
Amendment No. 3	.....<u>\$ 699,834.84</u>
Amendment No. 4	.....<u>\$ 16,770.00</u>
Amendment No. 5	.....<u>\$ 589,878.00</u>
Amendment No. 6	.....<u>\$ 949,886.00</u>
Amendment No. 7	.....<u>\$ 586,703.68</u>
Amendment No. 8	.....<u>\$ 752,396.00</u>
Amendment No. 9	.....<u>\$ 605,853.00</u>
Amendment No. 10	.....<u>\$ 159,036.00</u>
Amendment No. 11	.....<u>\$ 350,496.00</u>
Amendment No. 12	.....<u>\$ 37,850.00</u>
Amendment No. 13	.....<u>\$ 241,964.00</u>
Amendment No. 14	.....<u>\$2,088,076.00</u>
Amendment No. 15	.....<u>\$ 560,509.88</u>
Amendment No. 16	.....<u>\$1,109,906.00</u>

NEW CONTRACT AMOUNT**\$10,614,807.39**

Owner:

Jim Gray
 Mayor
 Lexington Fayette Urban County Government
 200 East Main Street, 12th Floor
 Lexington, Kentucky, 40507

 Attest

Consultant:



David Sigler, P.E.
 Senior Principal
 Stantec Consulting Services, Inc.
 Formerly - ENTRAN
 400 East Vine Street, Suite 100
 Lexington, Kentucky, 40507-1577



 Attest 4/23/2015



TRANSPORTATION CABINET

Department of Highways District 7 Office
P.O. Box 11127
Lexington, KY 40512-1127
(859) 246-2355

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

April 15, 2015

Mr. Andrew Grunwald, P.E.
Municipal Engineer Senior
Lexington Fayette Urban County Government
Division of Engineering
101 East Vine Street, 4th Floor
Lexington, KY 40507

**RE: KYTC Item 7-593 – Newtown Pike Extension
Authorization Request: Stantec Contract Modification 16**

Dear Mr. Grunwald:

We have received your request for authorization to include the above referenced contract modification 16 with the contract between the Lexington Fayette-Urban County Government (LFUCG), and Stantec (formerly Entran) for the above referenced project. I have reviewed the scope of work and the cost estimate and they appear to be reasonable. The work is in accord with the Newtown Pike Supplemental Agreement #2, between the LFUCG and the KYTC, and executed on July 10, 2011, (LFUCG Ordinance #76-2011).

Therefore, you are authorized to initiate Contract Modification #16 in the amount of \$1,109,906. Please continue to monitor costs associate with the contract to ensure they are within the terms of the Agreement.

Sincerely,

Stuart C. Goodpaster, P.E.
Transportation Engineer I
Newtown Pike Extension Project Manager

c: Robert Nunley/PF
Kelly Baker
David Whitworth, FHWA
Keith Caudill
Erin Clouse
J.R. Hamm
Shane Tucker





LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
Department of Planning, Preservation & Development
Division of Engineering

Jim Gray
Mayor

Derek J. Paulsen, Ph.D.
Commissioner

Date: April 6, 2015

Mr. Stuart Goodpaster, P.E.
Project Manager
Kentucky Transportation Cabinet
Department of Highways, District Seven
763 West New Circle Road, Building 2, P.O. Box 11127
Lexington, Kentucky 40512

RE: Fayette County
KYTC Item Number 7-593.10
Authorization Request – Contract Modification 16

Dear Mr. Goodpaster,

At this time the Project Team, for the above referenced project, requests authorization to include Contract Modification 16 from Stantec (Formerly Entran) into their Newtown Pike Extension Project design contract with the Lexington Fayette Urban County Government (LFUCG). The prime consultant, Stantec, shall utilize this Contract Modification to maintain the NPE web site (additional year), additional work for Right-of-Way acquisition, re-design Merino and DeRoode Street, utility relocation (Phase II Construction) coordination, sanitary sewer relocation coordination, environmental covenants and mitigation coordination, geotechnical investigations for the neighborhood and structural design of the large retaining wall behind the Harry Gordon Steel site. Two sub-consultants also are included with this Contract Modification. Hall-Harmon Engineers shall provide additional property research, design of additional Sanitary Sewers for the neighborhood, construction staking, inspection and design staking, subdivision redesign and alternative development for grading. EHI shall provide additional consultation for the Lexington Community Land Trust for housing development, securing housing subsidies, securing housing mortgage financing, assisting with funding and developing policies. A complete breakdown of the services to be provided and the work to be performed is outlined in the attached letter and Contract Modification from Mr. Glenn A. Hardin, P.E. (April 2, 2015 - Stantec).

The services to be added to the Contract represent an increase of \$1,109,906. With your authorization the LFUCG will accept Contract Modification 16 and include it into Stantec's existing contract. This work is covered by Supplemental Memorandum of Agreement #2 (between

H O R S E C A P I T A L O F T H E W O R L D

KYTC and LFUCG – LFUCG Ordinance# 76-2011). If you have any questions please feel free to contact me.

Respectfully,



Andrew Grunwald, P.E.
Municipal Engineer Senior

AG:ag

Attachments: Fec Proposal from Stantec

CC: Bradly A. Frazier, P.E. – Division of Engineering
 Robert Bayert, P.E. – Division of Engineering

15.P031.403.Change Order16-request.doc



Stantec Consulting Services Inc.
400 East Vine Street Suite 300
Lexington KY 40507-1532
Tel: (859) 233-2100
Fax: (859) 254-9664

April 2, 2015

Mr. Andrew Grunwald, P.E.
Project Manager
Division of Engineering
Lexington Fayette Urban County Government
101 East Vine Street
Lexington, Kentucky 40507

REF: Newtown Pike Extension
Amendment No. 16

Dear Mr. Grunwald,

Enclosed please find a Fee Proposal for Amendment No. 16. We have attached the backup information outlining the scope, hours and fees associated with the each item of work included in this Amendment.

The enclosed fee proposal also includes fees for two sub-consultants to provide services for the design of the project. These sub-consultants include Hall-Harmon Engineers (surveying and residential development design), and EHI Consultants (community and housing consultants). The total proposed fee for this Amendment is \$1,109,906.

If you have any questions concerning this submittal or require additional information, please advise.

Respectfully,

STANTEC CONSULTING SERVICES INC.

A handwritten signature in cursive script that reads "Glenn A. Hardin".

Glenn Allen Hardin, P.E.
Transportation Engineering Manager

pc: File 178561003

STANTEC
NEWTOWN PIKE SCOPE of WORK
AMENDMENT NO. 16

Structural Design Work Related Retaining Wall

This proposal provides for the Preliminary and Final design and details for a retaining wall being planned along the southwestern limits of the Davistown redevelopment site. The planned retaining wall will be approximately 1000 feet long, with most of its length being positioned generally parallel to and about 20 feet to 25 feet away from a recently built sound/noise barrier wall. The noise barrier wall was constructed immediately west of the Davistown neighborhood along the CSX Railroad tracks.

Preliminary work shall include the investigation of Retaining Wall Alternates for the site taking into account the geological characteristics, utilities, proximity of the recently constructed noise barrier wall, proposed future development and right of way.

Upon submission and approval of Preliminary Plans, Final Plans, Specifications and Estimated Cost of Construction shall be prepared in accordance with KYTC requirements.

Final Design hours have been prepared assuming a Tiedback Soldier Pile Wall with a concrete facing. Construction of the retaining wall will be from the top down utilizing soldier piles with timber lagging to retain the soil during the excavation of the site. Soldier piles shall be installed by drilling holes thru the existing soil and rock and concreting the bottom of the pile into solid rock. As the excavation is conducted at the face of the soldier piles, timber lagging will be installed to retain the material behind the line of piles. Tiebacks anchored in rock shall be installed at locations necessary to support the soldier piles. Upon completion of the excavation a concrete wall with reinforcement shall be installed on the front face of the soldier pile wall.

Drainage design shall include a paved ditch along the top of the retaining wall, the installation of a drop box behind the wall for drainage from the railroad embankment and drainage considerations for the fill behind the retaining wall.

Architectural Treatment shall match what was utilized for the noise wall subject to approval of the client or their appointed representative.

Since this location is in an urban area and due to the height of the retaining wall it is anticipated that a Fall Protection Railing meeting the City of Lexington's Building Code requirements will be required to be installed on top of the wall. Final selection shall be subject to the approval of the client.

It is anticipated that approximately four (4) meetings will be required. The purpose of these meetings will be to review the Preliminary Plans, discussions of Architectural Treatment of the Wall and Fall Protection Railing to be utilized. One additional meeting is included in case a follow up meeting is required for any of the meetings discussed above. This proposal also includes hours necessary for services during construction which will include the review of Shop Drawings for Tiebacks, Requests for Information (RFI) and responses to minor field problems which may occur during construction.

Newtown Pike Website Updates

With the web constantly evolving, sites need to be updated every 12 months to stay on top of security updates and the technological evolution of the web. Newtown Pike Extension website is due for an overhaul to keep it secure from hackers. The new site will be a WordPress Content Management System allowing flexibility for the administrators and content editors. The time included in Amendment No. 15 to provide for the hours to maintain and update this site will expire in July, 2015. This will provide for a one year extension for this effort.

The fee includes the following:

- Hosting the Site
- Domain Registration
- Photography Gallery plug-in to enable photographs to be posted
- Design with new WordPress format
- Run security updates and keep it up-to-date
- Content creation and posting

Additional Information for the Right of Way Acquisition in Phase I and II.

The scope of this work is to provide for preparing exhibits and revision to the Right of Way Plans in Phase I & II and for the Coordination with the Right of Way agent. This includes 8 revisions for Phase I and 13 revisions to Phase II. This item also includes work to revise the deeds as directed.

Clearing and Grubbing Contract

This proposal provides for the coordination and study of a contract to clear and grub the area from US 60(East), US 68 (west), the railroad noise wall (South), and the proposed right of way line on Newtown Pike (North). It includes hours for a conceptual plan.

Merino Street West and DeRoode Street

The scope of this work is to provide for the final construction plans for these two roads. This work includes plans, profiles, typical sections, cross sections, drainage, striping plans, detail sheets, maintenance of traffic and final quantities.

Utility Relocation Coordination

This item of work provides for the coordination with the existing utility companies to relocate their utilities out of the construction areas of the project. This item also includes assisting KYTC in writing the utility agreement for the utility companies.

Sanitary Sewer Relocation Coordination

The scope of this work is to provide coordination with LFUCG Division of Water Quality for the sanitary sewer relocation and to provide a conceptual design of a Siphon that goes under the RCBC. This item will provide for the time to modify the storm sewer system to accommodate the sanitary sewer relocation.

Environmental Covenants and Mitigation Coordination

The scope of this work is to provide coordination with KYTC Division of Environmental Analysis about the environmental covenant that will be placed on the project, the removal of existing soils to be hauled away, develop special notes and details to be included in the bid package.

Provide for Additional One Year of Meetings and Coordination for Phase I, II and III.

The time included in Amendment No. 15 to provide for the hours to attend meetings and provide for the coordination will expire in July, 2015. This will provide for a one year extension for this effort.

Geotechnical Engineering Drilling Services

Retaining Wall Southwestern Limits of Davistown Redevelopment

Stantec Consulting Services Inc. (Stantec) is submitting a proposal for performing a geotechnical exploration for the referenced retaining wall and associated site redevelopment. The following details are provided in regards to the scope of the proposed work.

Retaining Wall

This proposal addresses a geotechnical exploration for a retaining wall being planned along the southwestern limits of the Davistown redevelopment site. The planned retaining wall will be approximately 1000 feet long, with most of its length being positioned generally parallel to and about 20 feet to 25 feet away from a recently built sound/noise barrier wall. The noise barrier wall was constructed immediately west of the Davistown neighborhood along the CSX Railroad tracks.

Based upon preliminary plans (plan view and cross-sections) showing the general location of the planned wall, the height of this structure may reach approximately 20 feet. Furthermore, based on available subsurface information obtained in the vicinity of the retaining wall, there are indications that depths to bedrock will vary along the length of the wall suggesting that in some cases the wall will retain almost entirely overburden or soil backfill, and in other cases bedrock may be encountered within relatively shallow depths below the ground surface, thus requiring excavations into bedrock to achieve the proposed site grade. The geotechnical exploration will be conducted in general conformance to guidelines presented in the Kentucky Transportation Cabinet and the Lexington-Fayette Urban County Government Geotechnical Manuals.

For purposes of this proposal, a boring plan was prepared for the retaining wall, and the drilling program will include seven sample borings with rock cores, and 14 rock line soundings. Two of these sounding locations will be used to install ground water observation wells. The final number and specific location of each boring may need to be adjusted depending upon accessibility conditions following an initial site

reconnaissance. This proposal also has provisions for use of a bull dozer within some areas of the site because of the current wooded or overgrown site conditions, and irregular ground surface conditions resulting from recent site demolitions. Dozer efforts from Stantec equipment and an operator will serve to effectively provide access and maneuver drilling equipment.

Davistown Redevelopment Soundings and Rock Cores

In conjunction with the proposed construction of the aforementioned retaining wall, site grading requirements for the Davistown redevelopment (which will include residential housing and associated parking areas) will involve excavations on the order of 12 feet to as much as 20 feet below current grades. This proposal has provisions to perform additional rock line soundings within these areas. A boring plan will be prepared prior to the field work to layout approximately twenty-two sounding locations to be used for determining soil/overburden thicknesses at the site. In addition, two holes will be extended into bedrock utilizing rock coring tools so that personnel from Linebach Funkhouser, Inc. (LFI) can collect core samples for environmental testing to be performed by others. This proposal includes fees for the decontamination of drilling equipment pre-mobilization and decontamination after each of the two core borings designated for environmental drilling purposes. Additional coordination with LFI personnel will also be required to allow collection of composite soil samples from rockline sounding boring locations. LFI staff will collect and coordinate any environmental testing of these samples.

Upon completion of all drilling operations, all borings will be backfilled with the on-site materials, except the rock core borings. These holes will be filled with a cement bentonite grout and the auger cuttings will be left on site, next to the respective hole they came from. Any disturbed or dozed ground surfaces outside areas which have already been demolished will undergo reclamation which will consist of regrading any disturbed ground slopes to similar existing grades and spreading seed and straw over regraded areas. Once field work is completed, laboratory testing will be conducted on select soil samples to characterize engineering classification and strength properties of the soils encountered at the site. A geotechnical engineering report will be prepared to address the subsurface conditions encountered at the site, results of laboratory testing and applicable engineering analyses, and construction recommendations related to the proposed retaining wall and site grading.

Additional comments/conditions upon which this proposal is based are as follows:

- A. Staking of boring locations and determination of ground surface elevations for all initial borings and any relocated borings will be provided by others.
- B. This cost proposal does not include extensive coordination with the property owner to access the property to complete the geotechnical exploration. It is expected that prior arrangements will be made with the owner before commencement of Stantec's on-site work.
- C. This cost proposal estimates that only one mobilization will be required.
- D. The unit prices submitted in this proposal will remain applicable until June 30, 2016. After this time period, the prices will be subject to renegotiations.

- E. The anticipated schedule for the work once boring locations have been staked is one and a half weeks for drilling, two and a half weeks for laboratory testing and two and a half weeks for report preparation.
- F. Derivation of Unit Cost Items for the Geotechnical Exploration can be provided separately upon request.
- G. Should any known or suspected contaminants be found or observed, or should indications of possible contamination (buried drums, tanks, pipes, etc.) be found, work will cease, and the appropriate LFUCG and/or KYTC personnel will be notified of such.
- H. Stantec will coordinate with LFI personnel so that LFI can have a representative on-site for collection of rock core samples slated for environmental testing.

CONSULTING ENGINEERING FEE PROPOSAL

Amendment No. 16

COUNTY Fayette
PROJECT Newtown Pike Extension

DATE: Revised
2-Apr-15

FEE CONSIDERATIONS	PRODUCTION HOURS		AVERAGE RATE	ESTIMATED COST
CLEARING & GRUB CONTRACT	40		\$54.96	\$2,198
MERINO STREET WEST	164		\$54.96	\$9,013
DEROODE STREET	283		\$54.96	\$15,554
RIGHT OF WAY REVISIONS	380		\$55.47	\$21,079
UTILITY RELOCATION COORDINATION	192		\$66.48	\$12,764
SANITARY SEWER RELOCATION COORDINATION	200		\$66.48	\$13,296
ENVIRONMENTAL COVENANTS AND MITIGATION COORDINATION	200		\$66.48	\$13,296
WEB PAGE	204		\$38.37	\$7,827
MEETINGS	416		\$73.18	\$30,443
RETAINING WALL @ NSRR NOISE WALL	926		\$53.91	\$49,921
TOTALS	3005			\$175,391

LIST OF OTHER DIRECT COSTS

Domain renewal \$100 per year		
Years	Rate	Cost
1	\$100	\$100

Hosting Cost for Web Site \$150 per year		
Years	Rate	Cost
1	\$150	\$150
	Sub-Total	\$250

Sub-Consultants	
EHI Consultants	\$242,320
HHE	\$251,228

TOTAL DIRECT PAYROLL		\$175,391
OVERHEAD	175.19%	\$307,267
OPERATING MARGIN	15.00%	\$72,399
FACILITIES COST OF MONEY	0.28%	\$491
DIRECT COST		\$250
SUBSURFACE INVESTIGATION		\$60,560
Sub-Consultants		\$493,548

TOTAL \$1,109,906



FIRM NAME STANTEC Consulting Services Inc.

SIGNATURE Glenn A. Hardin, P.E.
TITLE Principal

DATE 2-Apr-15

PRODUCTION-HOUR WORKSHEET

COUNTY: Fayette	PROJECT TYPE	Final Design
ROUTE: Newtown Pike -	CONSULTANT	STANTEC
DESC. Phase I & Phase II Sections	PREPARED BY	Glenn Hardin
	DATE	4/2/15

CLEARING & GRUB CONTRACT

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HRS/ITEM
	Study Clearing and Grubbing Contract	LS	1	16	16
	Develop Conceptual Plans	LS	1	24	24
CLEARING & GRUB CONTRACT TOTAL					40

MERINO STREET WEST

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HRS/ITEM
	Refine alignments (horizontal & vertical)	LS	1	4	4
	Define templates	Each	2	4	8
	Develop 1"=20' scale plan sheets	Sheet	1	24	24
	Develop 1"=20' scale profile sheets	Sheet	1	16	16
	Develop cross sections (urban) @ 20' int.	No.	20	1.5	30
	Develop pipe sections (< 54")	No.	2	3.0	6
	Inlet spacing calculations	No.	4	1.5	6
	Storm sewers calculations	No.	4	1.5	6
	Striping detail Sheets	No.	2	8	16
	Develop Elevation Detail Sheets	No.	2	12	24
	Develop Maintenance of Traffic Plans	LS	1	12	12
	Calculate final quantities	LS	1	12	12
MERINO STREET WEST TOTAL					164

DEROODE STREET

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HRS/ITEM
	Refine alignments (horizontal & vertical)	LS	1	8	8
	Define templates	Each	2	4	8
	Develop 1"=20' scale plan sheets	Sheet	2	24	48
	Develop 1"=20' scale profile sheets	Sheet	2	16	32
	Develop cross sections (urban) @ 20' int.	No.	55	1.5	83
	Develop pipe sections (< 54")	No.	4	3.0	12
	Inlet spacing calculations	No.	8	1.5	12
	Storm sewers calculations	No.	8	1.5	12
	Striping detail Sheets	No.	2	8	16
	Develop Elevation Detail Sheets	No.	2	12	24
	Develop Maintenance of Traffic Plans	LS	1	12	12
	Calculate final quantities	LS	1	16	16
MERINO STREET WEST TOTAL					283

RIGHT OF WAY REVISIONS

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HRS/ITEM
	Phase I	LS	1	80	80
	Phase II	LS	1	300	300
RIGHT OF WAY & UTILITY PLANS TOTAL					380

PRODUCTION-HOUR WORKSHEET

COUNTY: Fayette	PROJECT TYPE	Final Design
ROUTE: Newtown Pike -	CONSULTANT	STANTEC
DESC. Phase I & Phase II Sections	PREPARED BY	Glenn Hardin
	DATE	4/2/15

UTILITY RELOCATION COORDINATION

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HRS/ITEM
	Utility Relocation Coordination Meetings	No.	10	8	80
	Providing Assistance with Utility Agreements	No.	7	16	112
UTILITY RELOCATON COORDINATION TOTAL					192

SANITARY SEWER RELOCATION COORDINATION

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HRS/ITEM
	Coordination meeting	No.	10	8	80
	Develop Conceptual Siphon Design	LS	1	40	40
	Adj. Storm Sewer Lines for changes in the Sanitary Line	LS	1	80	80
SANITARY SEWER RELOCATON COORDINATION TOTAL					200

ENVIRONMENTAL COVENANTS AND MITIGATION COORDINATION

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HRS/ITEM
	Coordination for the Environmental Covenants	LS	1	40	40
	Coordination for the Environmental Mitigation Earthwork	LS	1	40	40
	Assist in Developing Special Notes for Construction	LS	1	40	40
	Develop Plans and Details for soil removal mitigation	LS	1	80	80
ENVIRONMENTAL COVENANTS AND MITIGATION COORDINATION TOTAL					200

WEB PAGE

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HRS/ITEM
	Newtown Pike Extension Website Security Update	LS	1	60	60
	NTP Web Site Maintenance and minor updates	Months	12	12	144
WEB PAGE TOTAL					204

MEETINGS

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HRS/ITEM
MEETINGS MISCELLANEOUS					
	Attend Monthly Progress Meetings (12 Months)	No.	12	6	72
	Project Management (12 Months)	No.	12	12	144
	Attend other miscellaneous meetings	No.	20	8	160
	Attend Coordination Meeting with LFUCG Div. of Parks	No.	5	8	40
MEETINGS TOTAL					416

PRODUCTION-HOUR WORKSHEET

COUNTY: Fayette	PROJECT TYPE	Final Design
ROUTE: Newtown Pike -	CONSULTANT	STANTEC
DESC. Phase I & Phase II Sections	PREPARED BY	Glenn Hardin
	DATE	4/2/15
TOTAL		
CLEARING & GRUB CONTRACT		40
MERINO STREET WEST		164
DEROODE STREET		283
RIGHT OF WAY REVISIONS		380
UTILITY RELOCATION COORDINATION		192
SANITARY SEWER RELOCATION COORDINATION		200
ENVIRONMENTAL COVENANTS AND MITIGATION COORDINATION		200
WEB PAGE		204
MEETINGS		416
TOTAL		2,079

PRODUCTION-HOUR WORKSHEET

COUNTY Fayette	ITEM NO.
ROUTE Newtown Pike Extension	CONSULTANT Stantec
DESC.	PREPARED BY D. Woods
PROJ. TYPE Phase II Design	DATE 3/20/2015

Retaining Wall @ NSRR Noisewall

No.	ITEM	UNIT	AMOUNT	HOURS/UNIT	HOURS
PRELIMINARY STRUCTURE PLANS					
1	Investigate Alignment and Wall Construction Alternatives	LS	1	40	40
2	Preiliminary Plans Submittal	LS	1	16	16
				Sub Total	56
FINAL STRUCTURE PLANS					
3	Wall & Tieback Design (3 design sections)	EA	3	40	120
4	Title Sheet & Quantities	Sheets	1	16	16
5	General Notes	Sheets	1	16	16
6	General Plan & Elevation	Sheets	1	40	40
7	Typical Sections	Sheets	1	40	40
8	Foundation Plan & Pile Record	Sheets	4	12	48
9	Wall Construction Drawings	Sheets	14	16	224
10	Wall Details	Sheets	2	24	48
11	Tieback Details	Sheets	2	40	80
12	Special Notes (Tieback Installation & Specifications)	Sheets	1	36	36
13	Drainage Design & Details	Sheets	1	32	32
14	Architectural Treatment	Sheets	1	32	32
15	Fall Protection Railing Details	Sheets	1	32	32
16	Layout & Boring Logs (21)	Sheets	10	1	10
17	Submit Final Plans	LS	1	16	16
18	Meetings (4 - 2 persons @ 4hr/person)	EA	4	8	32
				Sub Total	822
SERVICES DURING CONSTRUCTION					
19	Shop Drawings	LS	1	24	24
20	RFI's & Minor Field Problems (<i>assume 4MH/mo</i>)	EA	6	4	24
			Sub-Total Sheets	40	Sub Total
					48
TOTAL STRUCTURAL HOURS					926

CLASSIFICATIONS AND PERCENTAGES FOR DESIGN

Stantec

CONSULTANT: Stantec
400 East Vine Street, Suite 300
Lexington, Kentucky 40507

Escalation: Estimated Notice to Proceed: 4/1/2014
Estimated End of Project: 8/1/2016
midpoint: 6/1/2015

COUNTY Fayette
PROJECT Newtown Pike
UPN Phase I and Phase II Sections
FED. NO.
ITEM NO.

rate = 4.30%
period = 1.01
factor = 0.04344
Overhead 175.19%
Facilities cost of Money 0.28%

* effective 5/29/2014

	Escalated Rate	Avg. Rate *	Escalated Rate	Right of Way	Final Roadway Plan Preparation	Structure Plan Preparation	Web Page Update and Maintenance	Coordination	Meeting
POSITION									
Transportation Principal	\$96.13	\$92.13	\$96.13	5%	5%	5%		5%	30%
Transportation Project Manager	\$69.36	\$66.47	\$69.36	35%	35%	30%	5%	75%	50%
Transportation Engineer	\$48.28	\$46.27	\$48.28	40%	35%	40%		20%	20%
Transportation Designers	\$37.99	\$36.41	\$37.99	15%	20%	20%	5%		
Senior GIS Analyst	\$36.67	\$35.14	\$36.67				90%		
Engineering Tech.	\$27.61	\$26.46	\$27.61	5%	5%	5%			
TOTAL				100% \$55.47	100% \$54.96	100% \$53.91	100% \$38.37	100% \$66.48	100% \$73.18

Newton Pike Extension
Fayette County, Kentucky

UNIT COST ITEMS FOR SUBSURFACE INVESTIGATIONS

COUNTY Fayette (Stantec--formerly Entran) HIGHWAY NAME Newtown Pike Extension ITEM NO. 07-593
Davistown Retaining Wall and Site Redevelopment
 PROJECT NO. LFUCG POC-K65281 EST. NO. CM9 CONTRACT NO. _____

	UNIT PRICE			NUMBER OF UNITS	TOTAL
1. Rock Coring	\$ 47.80	per foot	x	125.0	= \$ 5,975.00
1a. Rock Coring (Environmental Drill.)	\$ 57.36	per foot	x	14.0	= \$ 803.04
2. Rock Sounding	\$ 14.20	per foot	x	605.0	= \$ 8,591.00
2a. Rock Sounding (Environmental Drill.)	\$ 17.04	per foot	x	20.0	= \$ 340.80
3. Standard Penetration Test	\$ 138.20	per test	x	14	= \$ 1,934.80
4. Thin-Walled Tube Sample	\$ 162.30	per sample	x	7	= \$ 1,136.10
5. Soil Boring	\$ 20.70	per foot	x	0	= \$ -
6. Bag Sample	\$ 69.80	per foot	x	0	= \$ -
7. Cased Observation Well	\$ 161.90	per well	x	2	= \$ 323.80
8. Moisture Content	\$ 14.80	per test	x	21	= \$ 310.80
9. Soil Classification	\$ 281.00	per sample	x	4	= \$ 1,124.00
10. Wash Gradation (percent finer than 200 sieve)	\$ 103.50	per test	x	3	= \$ 310.50
11. Unconfined Compression Test - Soil	\$ 73.90	per test	x	4	= \$ 295.60
12. Unconfined Compression Test - Rock	\$ 221.80	per test	x	2	= \$ 443.60
13. Consolidated-Undrained Triaxial Test (with pore pressure measurements)	\$ 517.60	per test	x	3	= \$ 1,552.80
14. Slope Stability Analysis	\$ 940.00	per section	x	1	= \$ 940.00
15. Retaining Wall Analysis	\$ 1,254.00	per section	x	2	= \$ 2,508.00
16. Drafting	\$ 539.00	per sheet	x	9	= \$ 4,851.00
17. Dozer Working Hours	\$ 75.00	per hour	x	16	= \$ 1,200.00
17a. Mobilization for Company Owned Dozer	\$ 172.00	per mob	x	1	= \$ 172.00
18. Mobilization of Drilling Equipment					
a. Drill Crews and Equipment (Land)	\$ 300.00	per mob./rig	x	1	= \$ 300.00
19. Exploratory Test Pits	\$ 1,100.00	per day	x	0	= \$ -

20. Field Coordination, Supervision and Logging of Cores	Per Structure			=	<u>\$ 8,587.00</u>
21. Report Writing	Lump Sum			=	<u>\$ 11,665.00</u>
22. Publication of Reports	Lump Sum			=	<u>\$ 414.00</u>
23. Water Hauling					
A. Daily Labor	<u>\$ 568.00</u>	per day	x	<u>4</u>	= <u>\$ 2,272.00</u>
B. Water Costs (if necessary)	<u>\$ 5.00</u>	per 1000 gal.	x	<u>10</u>	= <u>\$ 50.00</u>
24. Reclamation of Disturbed Areas					
A. Labor	<u>\$ 1,051.00</u>	per day	x	<u>1</u>	= <u>\$ 1,051.00</u>
B. Materials					
Seed	<u>\$ 1.25</u>	per pound	x	<u>25</u>	= <u>\$ 31.25</u>
Straw	<u>\$ 5.00</u>	per bale	x	<u>20</u>	= <u>\$ 100.00</u>
25. Decontamination of Equipment					
Initial Decontamination (Pre-Mob.)	<u>\$ 525.00</u>	per rig	x	<u>1</u>	= <u>\$ 525.00</u>
On-Site Decontamination	<u>\$ 240.00</u>	per hour	x	<u>2</u>	= <u>\$ 480.00</u>
26. Backfill of Rock Core Borings (Cement-Bentonite Material Mix)	<u>\$ 8.00</u>	per foot	x	<u>284</u>	= <u>\$ 2,272.00</u>
Total This Estimate (Use Lump Sum)					= <u>\$ 60,560.00</u>

Kentucky Transportation Cabinet
 Division of Materials
 Geotechnical Branch

64-525
 Jan-93

TABULATION OF QUANTITIES FOR PAY ESTIMATES

County Fayette (Stantec--formerly Entran) Item No. 07-593 Estimate No. CM9

Project No.	Hole No. (Station)	Offset	Quantities are in English Units																		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
			Rock Coring	Rock Coring on Floating Equipment	Rock Sounding	Rock Sounding on Floating Equipment	Visual Inspection and Logging Rock Exposure	Soil Boring	Bag Sample	Standard Penetration Test	Standard Penetration Test on Floating Equipment	Thin-Walled Tube Sample	Thin-Walled Tube Sample on Floating Equipment	Field Vane Shear Test	Field Vane Shear Test on Floating Equipment	Cased Observation Well	Drill Hole for Slope Inclinator Casing	Moisture Content	Soil Classification	Wash Gradation (Percent Finer Than 200 Sieve)	
	RW-10 (28+57)	304' RT			15.0										1						
	RW-11 (29+07)	308' RT			10.0																
	RW-12 (29+27)	320' RT			10.0																
	RW-14 (30+06)	317' RT			10.0																
	RW-15 (30+44)	331' RT			10.0																
	RW-17 (32+00)	314' RT			10.0																
	RW-18 (32+77)	305' RT			10.0																
	RW-19 (32+91)	276' RT			10.0																
	RW-20 (33+40)	257' RT			10.0																
Davistown Redevelopment																					
	B-1 (25+00)	150' RT			10																
	B-2 (27+00)	120' RT			15.0																
	B-3 (27+00)	220' RT			20.0																
	B-4 (29+00)	220' RT			25.0																
	B-5 (31+00)	200' RT			20.0																
	B-6 (33+00)	200' RT			20.0																
	B-7 (28+52)	168' RT	7.0		10.0																
	B-8 (28+70)	248' RT	7.0		10.0																
	Project				320.0																
	Sheet		14.0		545.0											1					
	This Estimate		139.0		625.0				14			7			2					21	
	All Estimates																				3

Project No. 0 Highway Newtown Pike Extension Davistown Redevelopment and Retaining Wall

Tabulation of Quantities for Pay Estimates (cont'd)

64-525
Jan-93

Project No. 0

Fayette (Stantec-formerly Entran)

County

Station	Offset	19	20	21a	21b	22	23	24	25	26	27	28	29	30	31	32	Other Quantities (Include invoices)
		Moisture-Density, CBR and Soil Classification	Slake Durability Test	Unconfined Compression Test on Soil	Unconfined Compression Test on Rock	One Dimensional Consolidation Test	C.U. Triaxial Test w/ Pore pressure Measurements	U.U. Triaxial Test (Total Stress)	Slope Stability Analysis	Settlement Analysis	Deep Foundation Analysis	Wave Equation Drivability Analysis	Negative Skin Friction Analysis	Bearing Capacity Analysis	Retaining Wall Analysis	Drafting	
RW-10 (28+57)	304' RT																
RW-11 (29+07)	308' RT																
RW-12 (29+27)	320' RT																
RW-14 (30+06)	317' RT																
RW-15 (30+44)	331' RT																
RW-17 (32+00)	314' RT																
RW-18 (32+77)	305' RT																
RW-19 (32+91)	276' RT																
RW-20 (33+40)	257' RT																
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B-1 (25+00)	150' RT																
B-2 (27+00)	120' RT																
B-3 (27+00)	220' RT																
B-4 (29+00)	220' RT																
B-5 (31+00)	200' RT																
B-6 (33+00)	200' RT																
B-7 (28+52)	168' RT																
B-8 (28+70)	248' RT																
Project							3									3	
Sheet							3									3	
This Estimate				4	2		3		1					2	9		
All Estimates																	

days

lump sum

lump sum

lump sum

lump sum

lump sum

lump sum

lump sum

lump sum

lump sum

Hall Harmon Engineers Scope of Work

Prepare Exhibits for Environmental Covenants

Provide exhibits and metes and bounds descriptions for 5 areas requiring environmental covenants.

Stake Additional Core Holes

Stake 49 geotechnical locations on the Harry Gordon Steel Property

Property Title Research

Aid KYTC in obtaining title for 86 parcels. This includes providing extended court house research, preparing exhibits and descriptions, analysis of existing deeds and other property records, and compare to topographic surveys to help KYTC obtain clear title.

Additional Sanitary Sewer Collectors

Provide surveying and design to tie existing sanitary sewer collector systems into the relocated sanitary sewer trunk lines.

Preliminary Grading Alternates for Commercial Lot

Provide three preliminary grading alternates for the commercial lot (old PDQ lot) to evaluate the lot size alternates and possible grading alternates.

Provide grading for bike trail from Deroode Street to the commercial lot.

Final Grading Commercial Lot

Provide a final grading plan for the commercial lot (old PDQ lot) and incorporate it into the overall grading plan.

Meetings

Attend and prepare for meetings for various reasons with:

- Team members
- LFUCG personnel
- KYTC personnel

Stake Environmental Hot Spots on Harry Gordon Steel

Provide stakes and/or markings to delineate four hot spots on the Harry Gordon Steel property. The locations of these hot spots will be provided to HHE by means of CADD drawing and/or coordinates by others.

Parcel 1215 Trial

Prepare exhibits and documents and attend the trial for Parcel 1215. Attend special meetings to coordinate efforts.

Sanitary Sewer – RCBC Crossing

Provide design services for a gravity sewer crossing under the proposed RCBC. HHE will prepare plan and profiles as necessary for the construction of this sanitary sewer. LFUCG standards and specifications shall be used. HHE will not prepare specifications for this crossing.

**HALL-HARMON ENGINEERS
FEE PROPOSAL FOR SOUTHBEND PARK
3/9/2015**

Prepare Exhibits for Environmental Covenant

	Hours	Rate	Cost
Principal Engineer	8	\$59.14	\$473
Project Engineer	60	\$40.62	\$2,437
Technician	120	\$22.93	\$2,752
	<u>188</u>		<u>\$5,662</u>
		159.37% Overhead	\$9,024
		15.00% Profit	\$2,203
		Sub-Total	\$16,889

Stake Additional Core Holes

	Hours	Rate	Cost
Professional Land Surveyor	3	\$59.14	\$177
Technician	8	\$22.93	\$183
Surveyor	96	\$17.03	\$1,635
	<u>107</u>		<u>\$1,995</u>
		159.37% Overhead	\$3,179
		15.00% Profit	\$776
		Sub-Total	\$5,950

Property Title Research

	Hours	Rate	Cost
Principal Engineer	20	\$59.14	\$1,183
Project Engineer	610	\$40.62	\$24,778
Technician	646	\$22.93	\$14,813
	<u>1276</u>		<u>\$40,774</u>
		159.37% Overhead	\$64,982
		15.00% Profit	\$15,863
		Sub-Total	\$121,619

Additional Sanitary Sewer Collectors

	Hours	Rate	Cost
Principal Engineer	24	\$59.14	\$1,419
Project Engineer	64	\$40.62	\$2,600
Technician	80	\$22.93	\$1,834
Professional Land Surveyor	4	\$59.14	\$237
Surveyor	32	\$17.03	\$545
	<u>204</u>		<u>\$6,635</u>
		159.37% Overhead	\$10,574
		15.00% Profit	\$2,581
		Sub-Total	\$19,790

Preliminary Grading Alternates for Commercial Lot

	Hours	Rate	Cost
Principal Engineer	72	\$59.14	\$4,258
Project Engineer	24	\$40.62	\$975
Technician	72	\$22.93	\$1,651
	<u>168</u>		<u>\$6,884</u>
		159.37% Overhead	\$10,971
		15.00% Profit	\$2,678
		Sub-Total	\$20,533

Final Grading Commercial Lot

	Hours	Rate	Cost
Principal Engineer	40	\$59.14	\$2,366
Project Engineer	24	\$40.62	\$975
Technician	40	\$22.93	\$917
	<u>104</u>		<u>\$4,258</u>
		159.37% Overhead	\$6,786
		15.00% Profit	\$1,657
		Sub-Total	\$12,701

Meetings

	Hours	Rate	Cost
Principal Engineer	48	\$59.14	\$2,839
Project Engineer	96	\$40.62	\$3,900
	<u>144</u>		<u>\$6,739</u>
		159.37% Overhead	\$10,740
		15.00% Profit	\$2,622
		Sub-Total	\$20,101

Stake Environmental Hot Spots on Harry Gordon Steel

	Hours	Rate	Cost
Professional Land Surveyor	1	\$59.14	\$59
Technician	4	\$22.93	\$92
Surveyor	24	\$17.03	\$409
	<u>29</u>		<u>\$560</u>
		159.37% Overhead	\$892
		15.00% Profit	\$218
		Sub-Total	\$1,670

Parcel 1215 Trial

	Hours	Rate	Cost
Principal Engineer	16	\$59.14	\$946
Project Engineer	32	\$40.62	\$1,300
	<u>48</u>		<u>\$2,246</u>
		159.37% Overhead	\$3,579
		15.00% Profit	\$874
		Sub-Total	\$6,699

Sanitary Sewer - RCBC Crossing

	Hours	Rate	Cost
Principal Engineer	48	\$59.14	\$2,839
Project Engineer	80	\$40.62	\$3,250
Technician	104	\$22.93	\$2,385
	<u>232</u>		<u>\$8,474</u>

159.37% Overhead	\$13,505
15.00% Profit	\$3,297
Sub-Total	\$25,276

SUMMARY

Labor	\$84,227
Overhead	\$134,232
Profit	\$32,769
TOTAL	\$251,228

Attachment Contract Modification 16

EHI Consultants

SCOPE OF WORK (Development Team)

2014-2015

NEWTOWN PIKE EXTENSION SOUTHEND PARK – NEIGHBORHOOD REDEVELOPMENT and PROJECT COORDINATION

A goal of The Southend Park Urban Village Plan is to emphasize the development of a compact, walkable vibrant, mixed use community with good connectivity to nearby communities, services and resources. EHI proposes for its work effort in this phase of the project, a continuation of its professional planning and design services to ensure that the goals of the SEP Urban Village Plan are achieved. This will be accomplished through the development and implementation of the physical design components of the plan (residential, commercial and recreational), as it transitions into the neighborhood construction and redevelopment phase of the Newtown Pike Extension Project. This scope of work will consist of providing professional planning and design services along with overall project development and coordination to the Newtown Pike Project Team.

The purpose of the following work tasks are to coordinate the neighborhood development efforts with the various entities involved in the implementation of the Newtown Pike Extension Corridor Plan, Commercial Design Standards, Housing Design Standards and the Southend Park Urban Village Plan, to ensure that a strong residential neighborhood is developed that will serve as the foundation for the successful redevelopment of the Southend Park Neighborhood. The scope of work addresses the integration of; pedestrian and traffic circulation, environment, housing, social and economic activities, all of which that are incorporated into a viable community.

Project Work Tasks will include:

1. Housing Design and Coordination

Provide neighborhood coordination in the housing design, development and planning for the Southend Park Neighborhood. This task will consist of:

- Provide architectural services to assist in the update and revision of the single family and townhouse plans to ensure their conformity with current state and local building construction codes
- Continue to assist the CLT in the identification of and selection of housing developers
- Development review and coordination of single family and townhouse housing design, with builders and their subcontractors as the units are prepared for construction

- Coordinate with state and local building officials the oversight of the development of the single family and townhouse housing units
- Housing costs, construction and upgrade verifications
- Coordination of site infrastructure with the housing construction activities
- Provide planning guidance and oversight to the construction of the rental and homeowner residential units to ensure that they conform to the requirements of the CLT and neighborhood plan.
- Assist the CLT Director and the board in the overall management of the project by coordinating professional planning services relating to neighborhood design standards, coordinating with LFUCG, KYTC and FHWA community sustainability goals.

2. Financing and Marketing of the remaining homeownership units, through the identification realtors, lenders and potential residents wishing to locate into the neighborhood. This task will be accomplished through the utilization of.

- Realtor / Appraiser workshops and outreach efforts
- Housing Financing and Mortgage lender workshops

3. Southend Recreational Park Design

Provide conceptual landscape architectural design services to assist in the design and redevelopment of the Southend Neighborhood Recreational Park

- Assist in outreach meetings with the neighborhood residents, CLT and LFUCG Division of Parks, in recreational design needs of the residents and park facility needs
- Conduct a recreational needs assessment
- Development of schematic designs and master plan for the park
- Coordinate with local and state officials in design standards and park facility requirements and financing needs
- Ensure that the park designs incorporate aspects of environmentally green techniques, incorporating educational aspects as well as recreational activities that incorporates several healthy living attributes for good neighborhood park design

4. CLT Project Development

Participate in and assist the CLT in the implementation and development of the various aspects of the Southend Park Urban Village Plan.

- Participate in the development of commercial developer selection standards and procurement
- Development of commercial developer guidelines that conform to the land use, zoning and other regulatory requirements of the plan
- Assist in the planning, preliminary cost estimates for the development of the CLT community building. Its location, siting and integration into the neighborhood
- Assist the CLT as needed in addressing the implementation of the Southend Park Urban Village Plan.

5. Public Involvement

EHI will work closely with the project staff to ensure that the project meets its implementation goals and will assist and participate in neighborhood public involvement and outreach meetings as requested by the Newtown Pike Project Manager and CLT Director.

6. Project Team Meetings

EHI will attend the Newtown Pike Extension Project team meetings and others as needed to assist in the implementation of plan.

PROJECT COSTS: (see attached EHI TC 40-2 fee schedule)

Tasks 1-7: EHI	\$232,320.00
Burlington Associates (Mike Brown)	\$10,000.00
TOTAL Amount	\$242,320.00



1 April 2015

To: Ed Holmes, EHI Consultants
From: Michael Brown, Burlington Associates in Community Development
Re: **Technical Assistance Scope of Services: Lexington Community Land Trust
April 2015 Contract Modification**

Thank you for inviting me to submit an updated scope of services for technical assistance to be provided to the Lexington Community Land Trust (LCLT) as part of the pending contract modification for EHI Consultants and its work with the Newtown Pike Extension project. What follows is the additional technical assistance I propose to provide to Lexington CLT.

Burlington Associates' hourly rate remains at \$140 for professional services and travel time required for on-site work – with the understanding that we do not bill for more than eight (8) hours per day for on-site work (including travel.) Additionally, we request reimbursement for reasonable travel costs associated with the provision of on-site services (including airfare, lodging, ground transportation, and meals.)

The focus of Burlington Associates' continued technical assistance to Lexington CLT is to help build its organizational capacity, both as successful nonprofit organization and as a successful community land trust. The priority technical assistance objectives will be negotiated on an as-needed basis with LCLT and are likely to include:

- Provide consultation to LCLT staff regarding its housing development projects and activities
- Assist LCLT staff in securing necessary arrangements and agreements to ensure that housing subsidies are structured and applied in a way that allows for permanent housing affordability
- Assist LCLT staff to secure leasehold mortgage financing commitments for qualified households interesting in purchasing and owning an LCLT home
- Assist LCLT staff to refine key components of its CLT homeownership program, including:
 - LCLT's ground lease instrument, including the resale formula
 - Homebuyer selection policy – including threshold eligibility requirements as well as community preference criteria, as well as a fair and equitable selection process
 - CLT-specific strategy and materials to orient potential homebuyer regarding the benefits and responsibilities of buying, owning and selling an LCLT home
- Assist LCLT staff to develop policies and procedures to guide LCLT's stewardship responsibilities to households living on LCLT-owned land and the homes in which

they reside – including monitoring and enforcement procedures, provision or referral of ongoing support and assistance for LCLT residents, and development of a repair and replacement reserve policy

- Assist LCLT board of directors and staff in setting strategic direction, including long-range strategic planning, work plan development, and the assessment of potential partnerships and collaborations
- Be available, as needed, to LCLT staff to address questions and research CLT 'best practices' to inform LCLT's ongoing operations
- Assist LCLT staff, as needed, in preparations for hosting the national CLT conference in October 2015

Some of these professional services will be provided off-site from my office in Saint Joseph Minnesota while other work will require me to travel to Lexington Kentucky to work directly with LCLT staff and/or designated community partners.

Current Contract Balance

It is my understanding that approximately \$6,800 remains in the contract balance for my current scope of services. While the precise allocation of these funds (i.e., which tasks to be completed and whether this assistance will be provided on-site or off-site) will, of course, need to be negotiated with LCLT, I anticipate the allocation of these remaining funds to include:

- One three-day site visit, requiring 24 hours of professional fees (\$3,360) plus an estimated \$1,800 for travel expenses
- The approximately 12 remaining hours will be allocated to professional assistance provided remotely from my home office in Minnesota.

Projected Additional Technical Assistance Funding

I estimate that an additional \$10,000 in technical assistance funding should be sufficient (in addition to the balance remaining in my current contract) to provide the consultation and professional assistance outlined above. Here again, the decisions about how these funds will be spent (i.e., on which tasks and from what location) will need to be negotiated with LCLT. Nevertheless, I anticipate the allocation of these remaining funds to include:

- One three-day site visit, requiring 24 hours of professional fees (\$3,360) plus an estimated \$1,800 for travel expenses
- The remaining \$4,840 would cover an additional 35 remaining hours for technical assistance provided remotely from my home office in Minnesota.

I hope this provides you with the information you need to proceed with the request for the contract modification. Should you find you need additional information or clarification regarding this proposal, do not hesitate to contact. Otherwise, thank you for your assistance – and for your consideration.

I look forward to continuing to work with you and your colleagues and the staff and board of Lexington Community Land Trust on this innovative and exciting community initiative in Lexington.

**TRANSPORTATION CABINET Division of
Professional Services**

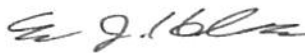
ENGINEERING AND RELATED SERVICES FEE PROPOSAL

COUNTY Fayette DATE 8/27/2014
 PROJECT Newtown Pike Extension
 UPN _____
 FED. NO. 61-1277458

FEE CONSIDERATIONS	Man Hours (24 months)	Average Rate	Estimated Cost
Task 1: Housing Design & Construction Coordination	850	\$ 50.00	\$ 42,500
Task 2: Housing Financing and Marketing	250	\$ 50.00	\$ 12,500
Task 3: Park Design	500	\$ 36.06	\$ 18,030
Task 4: CLT Project Development	150	\$ 36.06	\$ 5,409
Task 5: Public Involvement	200	\$ 36.06	\$ 7,212
Task 6: Project Team Meetings	150	\$ 36.06	\$ 5,409
TOTALS	2100		

TOTALS		\$ 91,060
LIST OF OTHER DIRECT COSTS	TOTAL DIRECT PAYROLL	\$ 91,060
_____	OVERHEAD (121.85%)	\$ 110,957
_____	PROFIT (15%)	\$ 30,303
_____	SUBCONSULTANTS	\$ 10,000
Total \$0	OTHER DIRECT COSTS	_____
SUBCONSULTANTS	COST OF MONEY	\$ 0
Burlington Associates \$10,000	TOTAL PROPOSED FEE	\$ 242,320
_____	SHOP PLANS	_____

FIRM NAME EHI Consultants
 Edward Holmes, President



DATE 4/02/2015

EHI KYTC Audited Rates as of May 3, 2013