



MEMORANDUM

February 14, 2014

TO: Board of Mayor and Aldermen (BOMA)

FROM: Eric Stuckey, City Administrator
David Parker, P.E, City Engineer/CIP Executive
Paul Holzen, P.E., Director of Engineering
Jonathan Marston, P.E., Staff Engineer 3

SUBJECT: Consideration of Amendment No. 1 to City of Franklin (COF) Contract No. 2012-0078, the Professional Services Agreement (PSA) with Sullivan Engineering, Inc. (SEI) for additional engineering design and technical services for the Carothers Parkway South Extension Project in an amount not to exceed \$108,980.00.

Purpose

The purpose of this memo is to recommend approval of Amendment No. 1 to the PSA (COF Contract No. 2012-0078) with Sullivan Engineering, Inc. (SEI) for additional engineering design and technical services for the Carothers Parkway South Extension Project.

Background

On May 8, 2012 BOMA approved SEI to re-design the Carothers Parkway South Extension Project as a 2-lane facility, with grading for a future 4 lanes. Construction began on this project in mid-2013. The limits of this project are from Falcon Creek subdivision to Truman Road West, north to south respectively. During the development of plans for the Carothers Parkway South Extension project, the developer for the Highlands at Ladd Park, Trillium Farms, L.P., approached the City about building a portion of Carothers Parkway, from Long Lane to the proposed Parkworth Drive, a project length of approximately 1100 feet. With the exception of the final paved surface, this short project was completed in November 2013.

At the completion of the City's current construction contract with Mountain States Contractors, LLC (MSC), Carothers Parkway will be complete, as a 2-lane facility from Falcon Creek subdivision to Truman Road West, in the Highlands at Ladd Park subdivision. Unfortunately, this City funded project does not connect to the developer built 1100 foot section of Carothers Parkway that intersects directly with Long Lane. There is an unfunded gap section of Carothers Parkway, approximately 2800 feet in length, from Truman Road West to Parkworth Drive. As currently designed, motorists will utilize the Highlands at Ladd Park subdivision streets of Ladd Road and Truman Road West to access Carothers Parkway from Long Lane, and vice versa.

City staff identified this shortfall and has asked SEI, the design consultant for the Carothers Parkway South Extension project, to provide a cost estimate to complete design of this gap section. Amendment No. 1 to the original PSA with SEI (COF Contract No. 2012-0078) allows for the completion of this design.



Financial Impact

The TOC 2013-2014 budget has an additional \$200,000 that will not be spent this year. Amendment No. 1 to COF Contract No. 2012-0078 is for a not to exceed amount of \$108,980.00 with SEI and can be funded through the TOC 2013-2014 Capital Budget.

Recommendation

Approval of Amendment No. 1 to COF Contract No. 2012-0078 with SEI in the amount not to exceed \$108,980 is recommended.

**AMENDMENT NO. 1 TO
PROFESSIONAL SERVICES AGREEMENT
FOR SOUTH CAROTHERS PARKWAY (2-LANE) DESIGN
COF CONTRACT NO 2012-0078**

THIS AMENDMENT is made and entered into on this the ___ day of _____, 2014, by and between the City of Franklin, Tennessee ("City") and SULLIVAN ENGINEERING, INC. ("Consultant").

WITNESSETH:

WHEREAS, the City and the Consultant entered into a Professional Services Agreement ("Agreement") entitled SOUTH CAROTHERS PARKWAY (2-LANE) DESIGN (COF Contract No 2012-0078), dated the 8th Day of May, 2012; and

WHEREAS, the Consultant has provided a revised Scope of Services for additional engineering design and technical services and estimated fee for Survey and Design Services for the proposed portion of Carothers Parkway from Parkworth Drive to Truman Road West within The Highlands of Ladd Park, and said services are explained in Exhibit A; and

WHEREAS, the City has negotiated with the Consultant for an increase in fees for the services as described in Exhibit A for an additional cost of One Hundred Eight Thousand Nine Hundred Eighty and No/100 Dollars (\$108,980.00).

NOW, THEREFORE, in consideration of these premises and the mutual promises contained herein, it is agreed by and between the parties as follows:

1. The foregoing recitals are incorporated by reference as if fully stated herein.
2. Consultant's Responsibilities and Duties. Consultant agrees to perform the Survey and Design Services as provided for in Exhibit A for Amendment No. 1, Carothers Parkway South Roadway Design from Parkworth Drive to Truman Road West within The Highlands of Ladd Park as attached. The Services, Scope of Work and Fee Schedule as found in Exhibit A shall be considered as an integral part hereof.
3. City's Responsibilities and Duties. City shall pay Consultant for the cost of the additional engineering design and technical services required in an amount not to exceed **One Hundred Eight Thousand Nine Hundred Eighty and No/100 Dollars (\$108,980.00).**

The City reserves the right to issue any payments jointly to the Consultant and Contractor when the City receives information that the Consultant has not paid its Contractor.

4. Waiver. Neither party's failure nor delay to exercise any of its rights or powers under this Amendment will constitute or be deemed a waiver or forfeiture of those rights or powers. For a waiver of a right or power to be effective, it must be in writing signed by the waiving party. An effective waiver of a right or power shall not be construed as either (a) a future or continuing waiver of that same right or power, or (b) the waiver of any other right or power.

5. Severability. If any term or provision of the Amendment is held to be illegal or unenforceable, the validity or enforceability of the remainder of the Amendment will not be affected.

6. Precedence. In the event of conflict between this Amendment and the provisions of the previous Agreement(s), or any other contract, agreement or other document to which this Amendment may accompany or incorporate by reference, the provisions of this Amendment will, to the extent of such conflict (or to the extent the Agreement is silent), take precedence unless such document expressly states that it is amending this Amendment.

7. Entire Agreement. The Amendment between the parties supersedes any prior or contemporaneous communications, representations or agreements between the parties, whether oral or written, regarding the subject matter of the entire Amendment. The terms and conditions of this Amendment may not be changed except by an amendment expressly referencing this Amendment by section number and signed by an authorized representative of each party.

8. Additions/Modifications. If seeking any addition or modification to the Amendment, the parties agree to reference the specific paragraph number sought to be changed on any future document or purchase order issued in furtherance of the Amendment, however, an omission of the reference to same shall not affect its applicability. In no event shall either party be bound by any terms contained in any purchase order, acknowledgement, or other writings unless: (a) such purchase order, acknowledgement, or other writings specifically refer to the Amendment or to the specific clause they are intended to modify; (b) clearly indicate the intention of both parties to override and modify the Amendment; and (c) such purchase order, acknowledgement, or other writings are signed, with specific material clauses separately initialed, by authorized representatives of both parties.

9. Breach. Upon deliberate breach of the Amendment by either party, the non-breaching party shall be entitled to terminate the Amendment without

notice, with all of the remedies it would have in the event of termination, and may also have such other remedies as it may be entitled to in law or in equity.

10. Survival. This Amendment shall survive the completion of or any termination of the original contract, revised contract, or agreement or other document to which it may accompany or incorporate by reference.

All other provisions of the Agreement dated May 8th, 2012 are unchanged and remain in full force and effect.

IN WITNESS WHEREOF, the parties have executed this Amendment.

CITY OF FRANKLIN, TENNESSEE

**SULLIVAN ENGINEERING,
INC.**

By: _____
Dr. Ken Moore
Mayor
Date: _____

By: _____
Print: _____
Title: _____
Date: _____

Attest:

Eric S. Stuckey
City Administrator/Recorder
Date: _____

Approved as to form:

Shauna R. Billingsley, City Attorney



SULLIVAN ENGINEERING, INC.
317 MAIN STREET, SUITE 201
FRANKLIN, TN 37064
(615)642-5822

February 14, 2014

Mr. Paul Holzen, P.E.
Franklin Director of Engineering
109 3rd Avenue South
Franklin, TN 37064

RE: Carothers Parkway South, Roadway Design
From Parkworth Drive to Truman Road West within The Highlands of Ladd Park
City of Franklin, Tennessee
Williamson County
SEI Project #14-001

Dear Paul,

Sullivan Engineering, Inc. (SEI) is pleased to submit a proposal for engineering design services associated with the development of the Carothers Parkway South connecting the section between City of Franklin Contract No. 2012-0048 & 2013-016. To assist City Administrators in reviewing funds allocated for design and construction of Carothers Parkway South, SEI has broken this proposal into three sections covering Preliminary, Right-of-way and Construction Design Services. Please note that I have not included a section for optional Construction Administration Services at this time, but SEI is prepared to provide these services should you desire to budget for them at this time or at a later date.

Therefore, as requested SEI has prepared a proposal for engineering services associated with the development of preliminary design, right-of-way design, property acquisition and construction design documents for your review and acceptance. SEI, is not included a cost for Construction Bid Documents as it is our understanding that the work will be Change Ordered into one of the aforementioned City Contracts. However, SEI has included time to prepare the necessary contract documents to Change Order this work into one of the aforementioned City Contracts.

The following outline highlights the engineering services to be provided by SEI with an accompanying compensation table based on criteria set forth in this document:

1) Preliminary Engineering Design Services

- 1) Topographic Survey
 - i) Furnished by SEI in accordance with current T.D.O.T. guidelines;
 - (1) Identify property owners along the alignment,
 - ii) Survey data coordinated with Franklin's GIS System;
 - iii) Initial property owner and utility owner contacts
 - iv) Compile in a digital format a model the topographic and boundary data collected,
- 2) ***Geotechnical Investigation (Not included, however data from adjoining projects will be used to determine the following)***

- i) slope recommendations,
- ii) 10 & 20 Year Paving Design,
- 3) **Preliminary Roadway Design Documents**
 - i) Coordinate Alignment with City Officials,
 - (1) Modify alignments in accordance with the City Engineers' instruction
 - ii) Preliminary and Grading Plan
 - iii) Identify and size major drainage crossings (500 cfs or greater)
 - (1) Hydraulic analysis
 - (a) Coordinate with Franklin's Storm Water regulations
 - (b) Detention pond design not included in this scope
 - (c) Size hydraulic crossings
 - (d) Q50 Design for cross drains
 - (e) Q10 Design for storm and side drains
 - iv) Prepare Water Quality Permits.
 - (1) All review and application fees to be invoiced as a reimbursable to be paid by the City of Franklin
 - v) Attend project review meeting
 - vi) Initiate traffic control plan
 - vii) Initiate erosion control plan
- 2) **Right-of-Way Engineering Design Documents**
 - 1) Identify Land Parcels impacted by construction
 - i) Property acquisition documents for right-of-way only
 - (1) Meets and Bounds description Right-of-Way only
 - (a) Identification and descriptions for new easements have been excluded from the scope of services
 - (2) Exhibit drawings
 - (a) Right-of-Way only
- 3) **Construction Engineering Design and Bid Documents**
 - 1) Finalize roadway construction bid documents,
 - i) Unit Price Bid
 - ii) Construction Specifications,
 - (1) Prepare Change Order to incorporate work into existing City Contract
 - 2) Roadway design special details and notes
 - 3) Prepare supplemental data not contained in the city contract 2013-0048
 - 4) Final estimated quantity calculations
 - i) Prepare engineers estimated cost valuation
 - 5) Finalize Traffic Control Plan
 - 6) Finalize Erosion Control Plan
 - 7) Prepare Pavement Marking and Permanent Signing Layout documents
 - 8) Issue final design documents and construction Change Order
 - i) Attend and conduct pre-construction meeting
 - (1) Issue a construction notice to proceed
- 4) **Optional - Construction Administration & Observation Services**
 - 1) Maintain a project correspondence file
 - i) Distribute meeting minutes

- ii) Distribute contractor's Applications for Payment
- iii) Distribute Shop Drawings
- iv) Distribute contract documents as required.
- 2) Attend project meetings
 - i) Schedule and attend monthly project meetings
 - ii) Attend on site meetings with city and contractor as required.
 - iii) Attend substantial and final field review meetings
 - iv) Attend other project meetings as required.
- 3) Maintain construction contract documents
 - i) Prepare and distribute
 - (1) Revisions
 - (2) Change orders
 - (3) Change directives
 - (4) Review and approve shop drawings
 - (5) Issue supplemental instructions
- 4) Review and approve contractor's application for payments
 - i) Visit construction site to check quantity and quality of work
 - ii) Check material tickets
 - iii) Compare and evaluate estimated quantity with contractors request
- 5) Review construction schedule
 - i) Notify owner and contractor as required
- 6) Review shop drawings
 - i) Verify compliance with contract specifications
 - ii) Distribute as required
 - iii) Review request for substitutions
- 7) Review erosion features
 - i) Installation
 - ii) Maintenance
- 8) Prepare project closure documents
- 9) Construction Testing & Observation
 - i) Observe roadway and structure testing operations,
 - ii) Observe quality control and installation of materials,
 - iii) Field visits with written reports as required.

Please find enclosed the following for your review and to further explain the scope of services to be performed as part of this project:

- Proposed Improvements;
- Scope of Work,
- Location Map,
- Typical Section,
- Schematic Layout,
- Design/Construction Schedule,

The following summary represents the estimated fee necessary for our design team to complete these projects:

COMPENASTATION TABLES

Engineering Design Services (Lump Sum)

PRELIMINARY PHASE			
	Preliminary Plans	50.00%	\$43,180.00
	Right-of-Way Plans	4.00%	\$3,450.00
CONSTRUCTION PHASE			
	Construction Plans	31.00%	\$26,770.00
SUB-TOTAL (1)		85.00%	\$73,400.00
ADDITIONAL SERVICES			
	Topographic Survey by HFR		\$16,580.00
	Survey Stake (Allowance for R-O-W & Centerline)		\$3,920.00
	Roadway Lighting		\$10,080.00
	Property Acquisition Descriptions		\$3,000.00
	Reproduction Cost (Review Plots & Five (5) Set's Construction Documents, City final PDF's, all other reproduction cost by City)		\$1,000.00
	Reimbursable Permits and Fees		\$1,000.00
TOTAL ADDITIONAL SERVICES			\$35,580.00
TOTAL PROJECT COST			\$108,980.00

NOTES:

1)SEI is aware that the city has incurred this project unexpectedly and working with Staff we have worked the budget to take advantage of data from adjoining projects and implementation of the Change Order process in an effort to reduce design and construction cost as much as possible. The design engineering fee represents a reduction of about 60% over a typical TDOT Engineering fee for a project of similar nature.

This project shall be developed in accordance with City of Franklin and T.D.O.T. Guidelines, with the design fee based on a lump sum basis. The fee for this project shall include all items listed in the Scope of Work, computer plotting, and travel expenses. All printing for field reviews and up to five (5) sets of final construction design documents shall be the responsibility of Sullivan Engineering, Inc. All documents shall be computer generated with final documents issued on a reproducible media. A copy of the final construction documents shall be submitted to the City of Franklin in PDF format.

I hope this proposal meets with your approval. Please phone after you have had a chance to review this proposal or if there are any questions.

Sincerely,
Sullivan Engineering, Inc.

Paul Collins

Paul V. Collins, Jr.
 Vice President

Cc: Mr. Richard Sullivan, PE, President Sullivan Engineering, Inc.

Additional Services Fee Schedule

Reimbursable Expenses Schedule

Reimbursable expenses for services performed on the date of the Agreement are:

FAX	\$0.25/page
8"x11" Copies/Impression	\$0.10/page
Blue Print Copies	\$0.50/sq. ft.
Reproducible Copies (24" x 36" Mylar)	\$15.00/page
Reproducible Copies (24" x 36" Vellum)	\$10.00/page
Reproducible Copies (24" x 36" Bond)	\$5.00/page
Mileage (auto)	\$0.53/mile
Long Distance Phone Calls	at cost
Meals and Lodging	at cost

Standard Hourly Rates Schedule

Reimbursable hourly rates for services performed on the date of the Agreement are:

		Hourly Billable
Billing Class 9	Professional Engineer II	\$151.14
Billing Class 8	Professional Engineer I	\$139.65
Billing Class 7	Staff Associate/Project Coordinator	\$112.06
Billing Class 6	Project Manager	\$101.68
Billing Class 5	Roadway Designer II	\$95.84
Billing Class 4	Roadway Designer I	\$90.65
Billing Class 3	CADD Technician	\$85.53
Billing Class 2	Secretary	\$55.13
Billing Class 1	Office Helper	\$45.00

PROPOSED IMPROVEMENTS

Project length 2,800+/- L.F. (Does not includes side roads)

Design development of this project will be based on schematic layouts prepared by Sullivan Engineering, Inc. as submitted to the City of Franklin for review and acceptance in fiscal year 2012 - 2013. This project is a new alignment beginning at a point of intersection with Parkworth Drive and extending 2,800+/- l.f. north to Truman Road West within the Highlands of Ladd Park Development. The City of Franklin's Major Thoroughfare Plan classifies South Carothers Parkway as a Major Arterial street with a design speed of forty-five (45-MPH) miles per hour.

Future build out of the proposed roadway template will provide for two (12'-0") basic lanes in each direction with four (4') foot bicycle lanes (may be substituted for a multi-use path 12'-0" along one side) along each side flanked with 6-30 curb and gutters within a one hundred thirty foot (130), foot minimum right-of-way. The travel lanes are separated by a 30'-0" raised and sodded median with additional left turn lanes provided as approved by the city's engineering staff. Behind the curbs will be a 6'-0" sod strip and 5-foot sidewalks. The final build out of the proposed roadway shall be lighted utilizing poles and LED fixtures which may or may not be contained within Middle Tennessee Electric standards. The storm drainage design shall be based on a ten year design storm frequency with all cross drains based on a fifty year design storm frequency. All storm drainage and erosion control shall be done in accordance with current City of Franklin Storm Water Regulations.

Proposed Improvements under this Phase of Construction shall include a proposed roadway template that provides for one (12'-0") lanes in each direction with an auxiliary left turn constructed at intersecting streets. The lanes along Carothers Parkway shall include 5'-0" shoulders (3' Stabilized, 2' non-stabilized) with grading for a future multi-use path (10'-0") along the east side of the proposed roadway contained within a one hundred thirty foot (130), foot minimum right-of-way. The travel lanes shall be separated by a 30'-0" raised and sodded median with a 6-30 curb and gutter along the inside edge of pavement as approved by the city's engineering staff. The storm drainage design shall be based on a ten year design storm frequency with all cross drains based on a fifty year design storm frequency. All storm drainage and erosion control shall be in accordance with current City of Franklin Storm Water Regulations.

Additional drainage, slope and construction easements may be required throughout this project as the design procedures evolves. All front slopes shall be a 3:1 minimum slope to the clear zone. All areas disturbed during the construction of this project shall receive topsoil and seed. Temporary seeding or other applicable BMP's will be used as necessary for water quality control measures as the project is constructed. Vertical and horizontal alignments shall be designed for a 45-mile per hour design speed with emphasis placed on minimizing the impact to adjoining property owners. Horizontal and vertical design criteria shall be in accordance with approved guidelines established within the TN. Dept. of Transportation.

It is not anticipated at this time, a need for any drainage structures other than Class III Reinforced Concrete Pipe. However, box or slab culverts may be required for construction of the as part of drainage system. If required, Box or slab culverts used in the construction of this project shall be from standard design culverts available from the TN. Dept. of Transportation Standards.

Currently no utilities other than a Feeder Circuit owned by MTEMC, exist along the proposed Carothers Parkway South corridor. However; roadway improvements of this magnitude typically include construction of water, gas, sewer, telephone and cable TV systems including customer service connections. However, roadway improvements at exiting local street connections may require the relocation of water, gas, sewer, telephone and cable TV lines. All utility relocation design shall be the responsibility of the owner or their assigned representative and not within the scope of the proposal.

SCOPE OF WORK

(All documents will be developed in accordance with current City of Franklin and T.D.O.T. design criteria. Standard T.D.O.T. (English) design guidelines and standard drawings shall be used in the development of this project. Design documents shall be prepared using AUTCAD 2004 or later.)

The following list of sheets will be required for all sites:

Engineering Design Services

- 1) **Title Sheet**
 - a) Right-of-Way/Construction

- 2) **Typical Sections**
 - a) Mainline
 - b) Cross-Road
 - c) Traffic Control (if required)
 - d) Private Drives/Field Entrances/Business Entrances
 - e) Paving Schedule
 - i) Construction Documents Only

- 3) **Construction Details (Details from adjoining projects shall be utilized. However if conditions dictate supplemental details as noted below will be developed.)**
 - a) Special Details
 - b) General and Special Notes
 - c) Scope of Work
 - d) Itemized T.D.O.T. Standard Drawings List
 - e) Itemized Construction Quantities/Cost Analysis
 - i) At completion of Construction Documents

- 4) **Estimated and Tabulated Data**
 - a) Private Drives/Field Entrances/Business Entrances
 - b) Erosion Control
 - c) Traffic Control
 - d) Roadside Ditch and Cross Drainage
 - e) Paving Quantities
 - f) Signing & Pavement Markings
 - g) Estimated Construction Quantities

- 5) **Estimated and Tabulated Data**
 - a) Private Drives
 - b) Erosion Control
 - c) Traffic Control
 - d) Storm and Cross Drainage

- e) Signing & Pavement Markings
 - f) Paving Quantities
 - g) Earthwork Quantities
 - h) Structure Box/Slab Culvert Quantities
- 6) Present Layout**
- a) Scale 1" = 50'
 - b) Existing topographic data and boundary information
 - c) Proposed Right-of-Way/Easement requirements
- 7) Proposed Layout/Drainage/Roadway Lighting**
- a) Scale 1"=50'
 - b) Construction details as required
 - c) Permanent Pavement Markings
 - d) Permanent Signing
 - e) Drainage
 - i) Special ditch
 - ii) Storm
 - iii) Cross Drainage system
- 8) Proposed Profiles/Drainage**
- a) Scale (1"=50'Horiz. & 1"=5'Vert.)
 - b) Storm and Cross Drainage systems
 - c) Existing utilities
 - d) Drainage tabulation tables
 - e) Hydraulic data
- 9) Private Drive Entrance Profiles (None foreseen at this time, however if required the following shall be provided.)**
- a) Scale (1"=50'Horiz. & 1"=5'Vert.)
 - b) All Drives will be paved to the limit of right-of-way or touchdown point if the grade is 7% or greater.
 - c) Side drain requirements
- 10) Culvert Sections**
- a) Reinforced concrete pipe Class III
 - b) Box/Slab TDOT approved culverts
 - c) Hydraulic data
- 11) Grading Plan**
- a) To be included in:
 - i) Preliminary/Right-of-Way Design Phase
 - ii) Construction Design Phase

12) Topographic Survey

- a) As furnished by SEI
- b) Coordinated with Franklin's GIS System
- c) No updates except as noted by visual inspection.

13) Project Reviews & Coordination (2 Budgeted)

- a) As required with City Officials
- b) Coordinate with appropriate Government agencies as required

14) Traffic Control

- a) In accordance with the "Uniform Manual on Traffic Control Devices"
- b) Road Closed except for Mountain States staff and equipment accessing the city project to the north

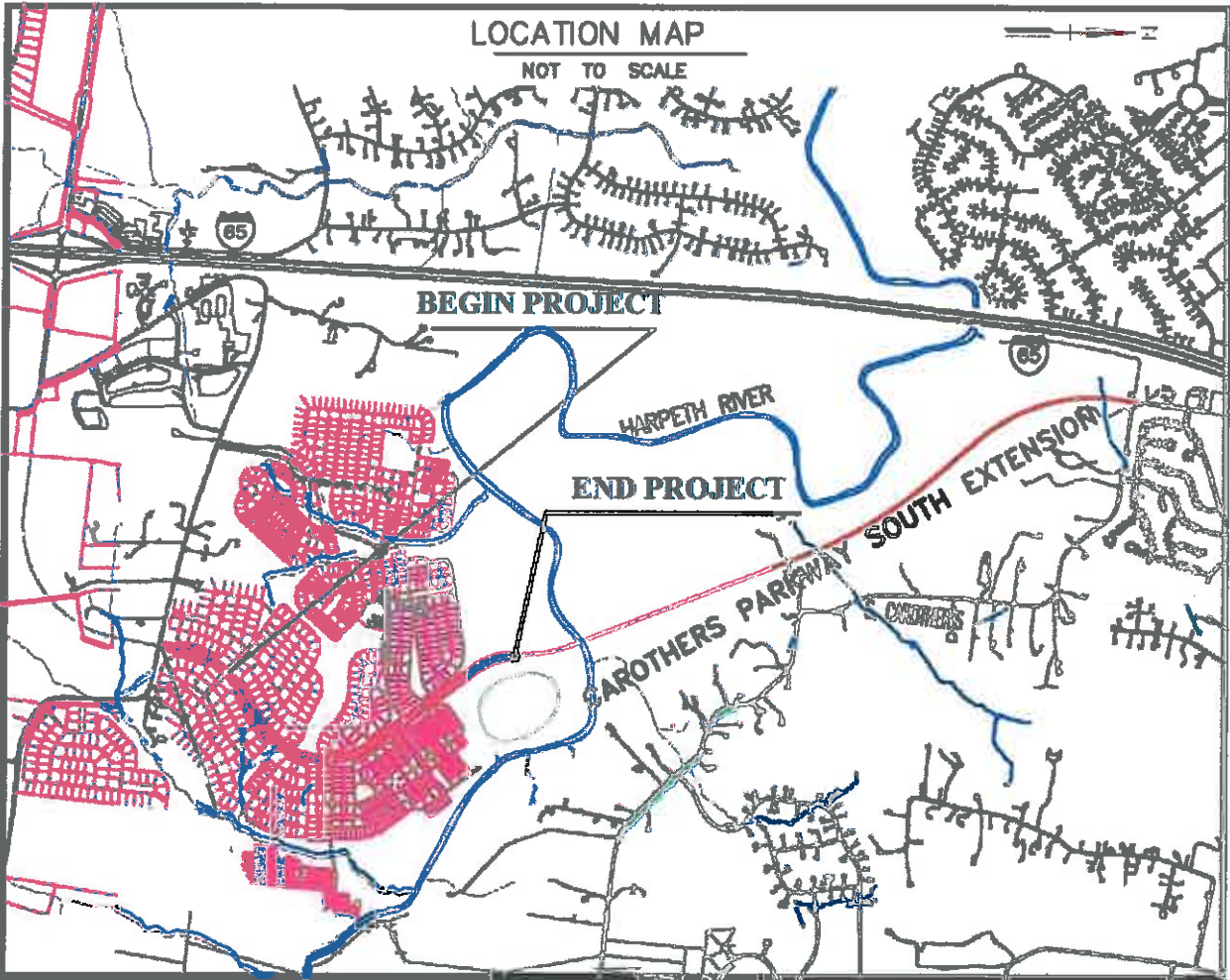
15) Erosion Control

- a) Per Current City of Franklin and T.D.E.C. Guidelines
- b) Prepare necessary State and Federal Permits

Exclusions:

- Public Meetings
- Utility Coordination
- Geotechnical Investigation
- Aerial survey
- Offsite drainage study
- Utility relocation design
- Water quality mitigation
- Structures (retaining walls)
- Signalization construction design
- Traffic counts, analysis and projections
- Historical and Archeological Research
- Historic structure research
- Grave site identification
- Review of historic record documents
- Phase 1 Environmental Site Assessment
- Construction Bid Documents

LOCATION MAP

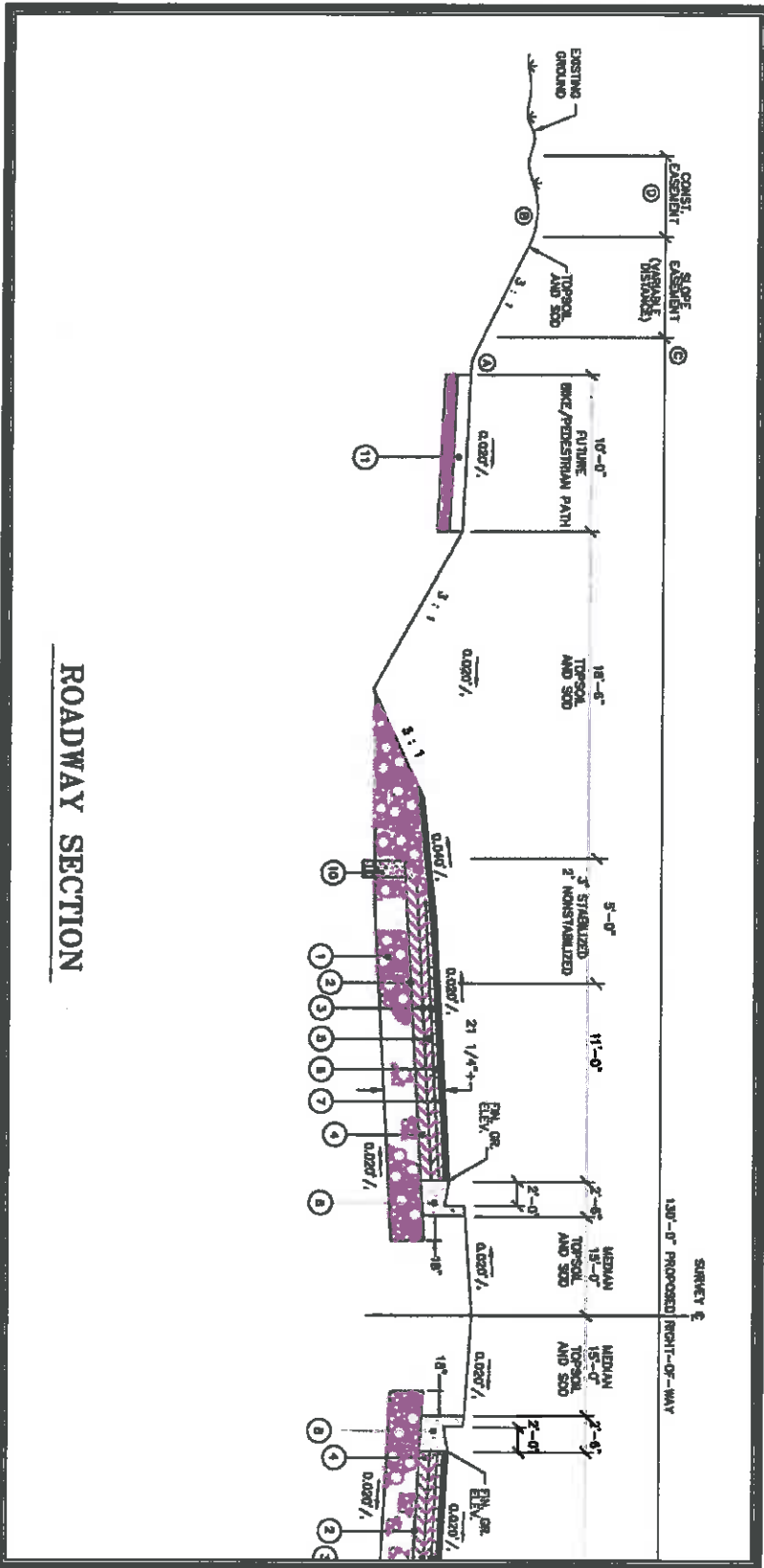


CITY OF FRANKLIN



**CAROTHERS PARKWAY SOUTH
FROM PARKWORTH DR. TO TRUMAN RD. WEST
PROJECT LENGTH 2,800 +/- L.F.**

TYPICAL SECTION



SCHEMATIC LAYOUT



**DESIGN AND
CONSTRUCTION SCHEDULE**

TASK	DAYS TO COMPLETION	DATE OF COMPLETION
Issue work order		3/1/2014
Begin Survey	3	3/4/2014
Begin Traffic Study	0	3/4/2014
Preliminary Survey Due	14	3/18/2014
Begin Preliminary Design	-15	3/3/2014
Review preliminary Design with City Officials	21	3/24/2014
Advertise for Design Public Hearing (Excluded)	0	3/24/2014
Hold Design Public Meeting (Excluded)	0	3/24/2014
Receive Design Public Meeting Comments (Excluded)	0	3/24/2014
Finish Survey	3	3/27/2014
Begin Utility Design Coordination (Excluded)	-3	3/24/2014
Finish Preliminary Design	0	3/24/2014
Begin Right-of-Way Design	0	3/24/2014
Begin Water Quality Permit Process	0	3/24/2014
Submit for Right-of-Way Field Review	14	4/7/2014
Hold Right-of-Way Field Review	5	4/12/2014
Finish Final Right-of-Way Plans	5	4/17/2014
Begin Property Appraisals	-24	3/24/2014
Submit Water Quality Permits to TDEC	21	4/14/2014
Begin Construction Plans	0	4/14/2014
Complete Property Appraisals	0	4/14/2014
Begin Property Acquisition	1	4/15/2014
Submit for Construction Field Review	15	4/30/2014
Complete Property Acquisition	0	4/30/2014
Incorporate Construction Plans Per Review and Acquisition Comments	7	5/7/2014
Complete Utility Design Coordination (Excluded)	0	5/7/2014
Submit Final Construction Plans	14	5/21/2014
Advertise to Bid Contract	0	5/21/2014
Open Bid	0	5/21/2014
Issue Construction Work Order	-21	4/30/2014
Hold Preconstruction Meeting	7	5/7/2014
Substantial completion Review	175	10/29/2014
Complete construction	30	11/28/2014

NOTES:

Schedule shall be adjusted based on issuance of work order.

CONNECTOR ROAD
Major Collector
Speed Limit 35 MPH
UNDER CONSTRUCTION

CAROTHERS PARKWAY
Major Arterial
Speed Limit 40 MPH
UNDER CONSTRUCTION

TRUMAN ROAD WEST
Local Street
Speed Limit 25 MPH
COMPLETE

ALFRED LADD ROAD
Local Street
Speed Limit 25 MPH
COMPLETE

CAROTHERS PARKWAY
Major Arterial
Speed Limit 40 MPH
PLANNING

CAROTHERS PARKWAY
Major Arterial
Speed Limit 40 MPH
COMPLETE

