

BCC Mtg. Date: April 25, 2017

Prepared By and Return To:

Sara W. Bernard, P.A.
Broad and Cassel LLP
Bank of America Center
P.O. Box 4961
Orlando, Florida 32802-4961

DOC# 20170239435
05/01/2017 01:34:25 PM Page 1 of 43
Rec Fee: \$367.00
Deed Doc Tax: \$0.00
DOR Admin Fee: \$0.00
Intangible Tax: \$0.00
Mortgage Stamp: \$0.00
Phil Diamond, Comptroller
Orange County, FL
IO - Ret To: ORANGE COUNTY GROWTH MANA


Tax Parcel ID No(s): 21-24-30-3127-00030

**SUPPLEMENTAL AGREEMENT REGARDING DEVELOPERS AGREEMENT
FOR ROAD AND BRIDGE IMPROVEMENTS TO BOGGY CREEK ROAD
(Wetherbee Road to South Access Road)**

THIS SUPPLEMENTAL AGREEMENT REGARDING DEVELOPERS AGREEMENT FOR ROAD AND BRIDGE IMPROVEMENTS TO BOGGY CREEK ROAD (Wetherbee Road to South Access Road) (the "Supplemental"), effective as of the latest date of execution (the "Effective Date"), is entered into by and between **ORANGE COUNTY**, a charter county and political subdivision of the State of Florida (the "County") whose address is P.O. Box 1393, Orlando, Florida 32802-1393, and **CROCKETT DEVELOPMENT PROPERTY, LLC**, a Florida limited liability company ("Crockett" or "CDP"), whose address is 6900 Tavistock Lakes Boulevard, Suite 200, Orlando, Florida 32827.

WITNESSETH:

WHEREAS, Crockett remains the fee simple owner of the "Crockett Property" being more particularly described in the Original Agreement (as defined herein) less and except those certain portions described as "RW1" and "RW2" conveyed to County in that certain General Warranty Deed recorded May 19, 2010 in Official Records Book 10046, Page 4180, in the Public Records of Orange County, Florida (the "CDP Property"), which is part of the Airport South Planned Development (the "Airport South PD");

WHEREAS, on November 27, 2007, the County, Crockett Development, LLC, as Crockett's predecessor-in-interest, and Orlando Airport Park, LLC ("OAP") entered into that certain Developers Agreement for Road and Bridge Improvements to Boggy Creek Road recorded November 29, 2007 in Official Records Book 9518, Page 1636 (the "Original Agreement"), as amended on September 20, 2011 by that certain Amendment to Developers Agreement for Road and Bridge Improvements to Boggy Creek Road (the "Amendment to Agreement") by and among the County, Crockett and AMB Orlando Airport Park, LLC, as OAP's successor-in-interest ("AMB" and together with Crockett referred to herein as the "Developers"), recorded September 22, 2011 in Official Records Book 10271, Page 6407, both in the Public Records of Orange County, Florida (collectively, the "Agreement"); and

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WHEREAS, all capitalized terms used herein shall be as defined in the Agreement, unless otherwise specified herein; and

WHEREAS, the Original Agreement contemplates the construction of the Boggy Creek Road Improvements in two (2) separate phases for which the first phase includes one (1) of the two (2) parallel two (2) lane bridges (the "**First Phase**") and the second phase includes the second of the two (2) parallel two (2) lane bridges and the demolition of the existing Bridge #754004 (the "**Second Phase**"), and the Amendment to Agreement contemplates the Road Widening Design (as defined therein), but neither document addresses details of the construction of the Road Widening (as defined therein); and

WHEREAS, the Second Phase Boggy Creek Road Improvements (including the Phase II bridge) and the Road Widening may be referred to herein collectively as the "**Improvements**"; and

WHEREAS, as of the Effective Date, the County acknowledges and agrees that the First Phase (including the Wetland Mitigation and the Phase I Stormwater Pond) is complete and fully paid for, and the AMB and Crockett Impact Fee Accounts have been established, in accordance with the terms and conditions of the Agreement; and

WHEREAS, County and Crockett desire to clarify the interpretation and application of Section 4 of the Original Agreement which pertains, in part, to Crockett's right, but not the obligation, to complete the construction of the Second Phase Boggy Creek Road Improvements; and

WHEREAS, County and Crockett additionally wish to supplement the Agreement by establishing the terms and conditions for Crockett's right, but not the obligation, to complete the construction of the Road Widening.

NOW THEREFORE, Crockett and County hereby acknowledge and declare the following:

1. Recitals. The foregoing recitals are true and correct and are incorporated into this Supplemental by reference.

2. Crockett's Contribution. Crockett has elected to complete the construction of the Improvements. Accordingly, Crockett shall initially fund all costs; however, in accordance with the Agreement, Crockett's contribution toward completion of the Improvements shall total \$2,450,000.00 ("**Crockett's Contribution**"), and Crockett shall have no further obligation to fund any costs of construction for the Improvements.

3. Sections 2, 4, 6, 7, and 8 Interpretation. Sections 2, 4, 6, 7, and 8 of the Original Agreement shall be interpreted and applied pursuant to the following supplemental and/or modified provisions:

(a) *30-day Notice Waiver*. In consideration of Crockett's election to contract, the County hereby waives the requirement for a thirty (30) day advance written notice as a condition precedent to Crockett's

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right to perform the County's construction obligations for the Second Phase Boggy Creek Improvements as required under Section 4(a) of the Original Agreement.

(b) *Phased Construction of the Improvements.* Crockett has requested, and the County has agreed, to allow Crockett to perform the Improvements in phases pursuant to the following terms and provisions:

(i) *Bridge Temporary Transitions.* To insure the orderly transition of traffic to, from and through the existing bridge during construction of the Improvements, the scope of the work to be bid by Crockett shall include the necessary traffic transition as part of the engineering specifications.

(ii) *Updated Cost Breakdown.* Exhibit "E" of the Agreement is hereby deleted in its entirety and replaced with the new Exhibit "E" attached hereto and made a part hereof. Accordingly, from and after the Effective Date, all references to the "Cost Breakdown" in the Agreement are hereby deemed to mean as revised by this Supplemental.

(iii) *Updated Budget.* Exhibit "D" of the Original Agreement is hereby supplemented and revised as to the estimated costs for the Improvements only as set forth in Exhibit "F" attached hereto and made a part hereof (the "**Updated Budget**"). Accordingly, from and after the Effective Date, all references to the "Budget" in the Agreement are hereby deemed to mean as revised by this Supplemental. The Updated Budget includes the additional cost for the re-design of the Road Widening due to the conservation area which, pursuant to Section 9 of the Amendment to Agreement, requires approval by the BCC as such change order exceeds 10% of the Road Widening Design Costs. Accordingly, by execution of this Supplemental, the BCC has approved such change order.

(iv) *Limitation on Crockett's Obligation to Pay or Fund the Second Phase Costs.* For purposes hereof, the term "**Second Phase Costs**" shall have the same meaning as the "**Phase II Costs**" in the Original Agreement. Notwithstanding anything to the contrary set forth in the Agreement, Sections 2(m) and 2(n) of the Agreement are hereby modified to provide that the maximum aggregate amount of Second Phase Costs that Crockett shall be required to pay during the Agreement shall not exceed Two Million Four Hundred Fifty Thousand and 00/100 Dollars (\$2,450,000.00).

(c) *Prioritization and Timing of Funding.* Due to the lapse of time between the First Phase completion and the contemplated Second Phase and Road

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Widening commencement of construction, the parties acknowledge and reaffirm their respective contributions for the Boggy Creek Improvements as modified herein. Accordingly, Sections 7 and 8 of the Amendment to the Agreement are hereby deleted in their entirety.

4. Road Widening.

(a) *Road Widening Scope of Services and Design Costs.* Exhibits "C" (Road Widening Scope of Services) and "D" (Road Widening Design Costs) of the Amendment to Agreement are supplemented as described in the Exhibits "C" and "D" attached hereto and made a part hereof. Further, in connection with the Road Widening, Crockett shall be responsible for the cost of performing the water main and sewer forcemain construction to be more particularly detailed in the pending utility agreements to be entered into by Crockett, Orlando Utilities Commission, and/or the City of Orlando.

(b) *Road Widening Plans and Specifications.* Notwithstanding anything to the contrary set forth in the Agreement or this Supplemental, Section 9(a) of the Amendment to Agreement is hereby modified to provide that the Road Widening Plans and Specifications shall be modified by Crockett as follows (the cost of such design modifications to be excluded from the Road Widening Design Costs):

(i) To include one (1) traffic signal to be constructed and paid for at no cost or expense to County, which traffic signal shall be put in flash mode and placed in operation when warranted.

(ii) To include a third (3rd) full access point into the CDP Property to be constructed and paid for at no cost or expense to County.

(c) *Road Widening Costs.* The Road Widening costs are now included in the Cost Breakdown set forth in Exhibit "E" attached hereto.

(d) *Limitation on Crockett's Obligation to Pay for or Fund the Road Widening.* The County is ultimately responsible for its share of the costs (after the remaining construction funds are provided by Crockett for the Road Widening Design Costs for which the County will issue impact fee credits as provided in the Amendment to Agreement) incurred in order to complete the Road Widening in accordance with the Road Widening Plans and Specifications (the "**Road Widening Costs**"). The County shall reimburse Crockett for the Road Widening Costs in accordance with Section 6 below.

(e) *Construction.* The construction contract for the Road Widening (the "**Construction Contract**"), shall be subject to the County's review and approval.

(i) The Construction Contract shall clearly identify Crockett's project manager ("**PM**"), who shall serve as the primary point of contact

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for, and be required to coordinate with, the County staff throughout the design process, such that the County shall have no obligation to coordinate with any sub-contractors or sub-consultant(s).

(ii) The County shall be designated as a 3rd party beneficiary to the Construction Contract.

(iii) Prior to commencement of construction, Crockett shall provide payment and performance bonds satisfactory to the County for the costs of the Improvements, together with a rider to such bonds identifying the County as a dual-obligee.

(iv) Any required temporary construction easements, right-of-way utilization permits, and/or rights of entry shall be the responsibility of Crockett at no cost or expense to the County.

(v) The Construction Contract shall meet the indemnity and insurance requirements set forth herein.

(vi) A pre-construction meeting is to be held and a notice to proceed issued prior to the start of construction.

(vii) Permits and utility agreements must be obtained and provided to the County at the pre-construction meeting.

(f) *Inspection, testing and acceptance by County.* The County shall have the right to inspect and test work on the Improvements throughout the duration of construction. Upon completion of construction, the County shall conduct a final inspection and upon approval of the Improvements and Crockett's compliance with all attendant requirements, including without limitation, the highway construction inspection requirements, shall issue a certificate of completion ("C of C") for the Improvements.

(g) *Warranty.* At the date of final completion of the Improvements, a one year warranty surety reasonably acceptable to the County in the amount covering all Improvements shall be provided by Crockett to cover repairs and replacement required due to any and all workmanship and materials related to failures or defects, including latent defects, and/or any and all repairs or replacement due to excessive deterioration of the road construction materials. A walk-through inspection shall take place prior to close out of the one year warranty period. Crockett, at its sole expense, shall provide the repair or replacement to the County's satisfaction in a timely manner.

5. Bidding Requirements. Crockett shall be required to employ the following bidding procedures with respect to the Improvements:

(a) Prior to submitting for bids, Crockett shall deliver to the County a list of prospective bidders for the Improvements which shall be subject to the

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County's review and approval (the "**Prospect List**"). In the event the County provides disapproval of any proposed contractor or subcontractor or makes recommendations to add certain contractor(s) or subcontractor(s), then the Prospect List shall be adjusted accordingly whereupon such revised version shall be deemed the Prospect List for all intents and purposes hereunder.

(b) Crockett shall obtain at least three (3) bids from any three (3) general contractors and subcontractors, respectively, selected from the Prospect List and shall be required to award the Construction Contract to the general contractor(s) and subcontractor(s), respectively, submitting the lowest qualified bid with an acceptable schedule for delivery of completion of the Improvements.

6. County's Reimbursement for the Improvements. The County agrees to reimburse Crockett for all actual and reasonable costs incurred for the Improvements (in excess of Crockett's Contribution for which the County will issue impact fee credits as provided in the Agreement) pursuant to the Construction Contract, subject to the following terms and provisions:

(a) All proposed costs for the Improvements that are eligible for reimbursement shall be reviewed and approved in writing by the County Engineer in advance of expenditure. Any such proposed costs shall be submitted to the County Engineer for review and approval in writing.

(b) Crockett may submit an invoice as requested for reimbursement no more than once per month.

(c) In order to be deemed acceptable as a sufficient reimbursement request, each invoice must be accompanied by a partial lien release together with reasonable proof of payment satisfactory to the County.

(d) The County shall make reasonable efforts to review each sufficient reimbursement request within thirty (30) days and issue payment for approved amounts within forty-five (45) days of receipt of such request or shall provide written notice of amounts not approved within said forty-five (45) days.

(e) Any requested change order to the Construction Contract must be submitted to the County for its review and approval. Change orders that amount to no more than 10% of the total contract price of the Construction Contract, individually or cumulatively, may be approved by the County Engineer. Change orders that amount to more than 10% of the contract price of the Construction Contract, individually or cumulatively, shall require approval by the Orange County Board of County Commissioners ("**BCC**").

(f) In light of the County's maximum limit of \$600,000.00 for expenditures in a fiscal year (ending on September 30) toward the Improvements, any disbursements requested hereunder in excess of such \$600,000.00 limitation shall be rolled over to the following fiscal year until paid in full by the County. Additional Improvement cost expenditures incurred prior to October 1, 2017 will

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be paid for by Crockett up to the Crockett Contribution balance remaining as of the Effective Date (as stated below).

As of the Effective Date, the parties acknowledge that Crockett has expended \$471,397.47. Accordingly, the amount remaining under Crockett's Contribution is \$1,978,602.53.

7. Indemnification and Insurance. During the course of construction of the Improvements constructed hereunder, the following provisions shall apply:

(a) *Indemnification.* Crockett agrees, on behalf of itself, its agents, contractors, successors and assigns, that it shall, to the fullest extent permitted by law, defend, indemnify, and hold harmless the County, its officials, agents, and employees from and against any and all liabilities, claims, damages, losses, costs and expenses (including attorneys' fees) or obligations of any kind including without limitation environmental assessments, evaluations, remediation, fines, penalties and clean-up costs asserted against the County arising out of or resulting from the performance of the construction activities for the Improvements, excepting those acts or omissions arising out of the sole negligence of the County provided that any such liability, claim, damage, loss, cost or expense:

(i) Is attributable to bodily injury, sickness, disease or death, or injury to or destruction of tangible property (other than the construction activities themselves) including the loss of use resulting therefrom, and

(ii) Is caused in whole or part by an act or omission relating to the construction of the Improvements by Crockett, its agents or employees, or any contractor employed by Crockett, or anyone directly or indirectly employed by Crockett or its contractor(s), their subcontractors, or anyone for whose acts any of them may be liable; and

(iii) Is caused in whole or in part by any discharge or disposal of any hazardous or toxic materials, trash, debris, refuse, waste or other materials related in any way to the construction activities related to the construction of the Improvements; and

(iv) Provided, however, if the Agreement or any underlying contract for construction of any Improvements is deemed by a court of competent jurisdiction to be a construction contract under Section 725.06, Florida Statutes, any obligation of the contractors to defend, indemnify, or hold harmless the County, its officers, and employees shall be limited to an obligation to indemnify and hold harmless to the extent caused by the negligence, recklessness or intentionally wrongful conduct of the contractors and persons employed or utilized by the contractors in the performance of the construction activities.

(v) The indemnification provision contained herein shall survive the termination of this Supplemental.

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(b) *Insurance.* Prior to commencing construction of any portion of the Improvements and throughout the course of construction of the Improvements, Crockett or its agents and contractors shall procure and maintain insurance with such limits and terms as specified in the following Schedule of Limits (see below):

(i) Workers' compensation insurance with statutory workers' compensation limits and no less than the limits specified in the Schedule of Limits for Employer's Liability with a waiver of subrogation in favor of the County its employees and officials.

(ii) Commercial general liability insurance for all operations including, but not limited to contractual, products and completed operations and personal injury with limits of not less than the limits specified in the Schedule of Limits per occurrence and an aggregate limit of at least twice the per occurrence limit.

(iii) Business automobile liability insurance for all owned, hired, or non-owned vehicles with limits of not less than the limits specified in the Schedule of Limits per occurrence.

(iv) Professional Liability (errors and omissions) for engineering design in amounts not less than One Million and 00/100 Dollars (\$1,000,000.00) per occurrence.

(v) Contractors pollution liability insurance including remediation and monitoring expense for all construction operations with limits of not less than One Million Dollars and 00/100 (\$1,000,000.00) per occurrence.

Schedule of Limits

Contract Amount	Workers' Comp/ Employers' Liability	General Liability	Automobile Liability
Up to \$10 million	Statutory/\$500,000	\$1,000,000	\$1,000,000
\$10 - \$20 million	Statutory/\$1,000,000	\$5,000,000	\$5,000,000
Over \$20 million	To be determined by the County		

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Crockett shall be responsible for ensuring that each contractor and major subcontractors procure and maintain the insurance specified above and shall furnish to the County evidence of such insurance prior to commencement of construction. The County shall be specifically named (scheduled) as an additional insured on all policies except for workers' compensation coverage.

All coverage shall be primary and not contributory with any insurance or self-insurance maintained by the County. Crockett shall provide the County notice of any material change, cancellation, non-renewal of any policy required herein at least thirty (30) days prior to the occurrence thereof.

8. Recording. This Supplemental shall be recorded within thirty (30) days of the Effective Date, at Crockett's expense, in the Public Records of Orange County, Florida.

9. Effect of Supplemental. Except as supplemented and modified herein, the terms of the Agreement shall remain unchanged and in full force and effect, and the parties hereby reaffirm all terms, covenants and conditions contained in the Agreement. In the event of any conflict between the terms of the Agreement and this Supplemental, the terms of this Supplemental shall control.

10. Counterparts. To facilitate execution, the County and Crockett agree that this Supplemental may be executed and transmitted in up to three (3) counterparts and it shall not be necessary that the signature of, or on behalf of, each party, or that the signatures of all persons required to bind any party, appear on each counterpart; it shall be sufficient that the signature of, or on behalf of, each party, or that the signatures of the persons required to bind any party, appear on one or more of such counterparts. All counterparts shall collectively constitute a single Supplemental.

11. Notice. Section 9(d) of the Agreement is hereby supplemented as follows with respect to all notices to be delivered from and after the Effective Date:

Any notice delivered with respect to this Supplemental shall be in writing and shall be deemed to be delivered (whether or not actually received) (i) when hand delivered to the person(s) hereinafter designated, or (ii) upon deposit of such notice in the United States mail, postage prepaid, certified mail, return receipt requested, addressed to the person at the address set forth opposite the party's name below, or to such other address or to such other person as the party shall have specified by written notice to the other party delivered in accordance herewith.

As to Crockett: Crockett Development Property, LLC
6900 Tavistock Lakes Boulevard, Suite 200
Orlando, Florida 32827
Attention: James L. Zboril

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With a copy to: Broad and Cassel LLP
390 North Orange Avenue, Suite 1400
Orlando, Florida 32801
Attention: Sara W. Bernard, P.A.

As to County: Orange County Administrator
P.O. Box 1393
201 S. Rosalind Ave
Orlando, FL 32802-1393

With a copy to: Orange County Community, Environmental,
and Development Services Department
Manager, Transportation Planning Division
Orange County Public Works Complex
4200 S. John Young Parkway
Orlando, Florida 32839-9205

12. Amendment. This Supplemental may be amended only in writing, formally executed in the same manner.

13. Entire Agreement. This Supplemental, together with the Agreement, embodies and constitutes the entire understanding of the parties with respect to the subject matter addressed herein, and all prior or contemporaneous agreement, understandings, representations, and statements, oral or written, are merged into this Supplemental and the Agreement.

14. Interpretation. This Supplemental shall not be construed more strictly against one party than against the other merely by virtue of the fact that it may have been prepared by counsel for one of the parties, it being recognized that all parties have contributed substantially and materially to the preparation hereof. Captions and section headings in this Supplemental are provided for convenience only and shall not be deemed to explain, modify, amplify, or aid in the interpretation, construction, or meaning of this Supplemental.

15. Disclaimer of Third Party Beneficiaries. This Supplemental is solely for the benefit of the formal parties hereto and no right or cause of action shall accrue by reason hereof to or for the benefit of any third party not a formal party hereto. Nothing in

Supplemental Agreement re Boggy Creek Road
Crockett Development Property, L.L.C., 2017

this Supplemental, expressed or implied, is intended or shall be construed to confer upon or give any person or entity any right, remedy, or claim under or by reason of this Supplemental or any provisions or conditions hereof, other than the parties hereto and their respective representatives, heirs, successors, and assigns.

16. Authority to Contract. The execution of this Supplemental has been duly authorized by the appropriate body or official of each party hereto.

17. Severability. If any provision of this Supplemental, the deletion of which would not adversely affect the receipt of any material benefits by any party hereunder nor substantially increase the burden of any party hereunder, shall be held to be invalid or unenforceable to any extent by a court of competent jurisdiction, the same shall not affect in any respect whatsoever the validity or enforceability of the remainder of this Supplemental.

18. Ratification. All existing terms of the Agreement not amended by this Supplemental are hereby ratified in all respects and shall remain in full force and effect in accordance with the terms of the Agreement and of this Supplemental.

[SIGNATURES APPEAR ON THE FOLLOWING PAGES]

Supplemental Agreement re Boggy Creek Road
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IN WITNESS WHEREOF, County and Crockett have hereunto caused these presents to be executed the day and year indicated above (which is the latest date of execution).



ORANGE COUNTY, FLORIDA
By: Board of County Commissioners

By: *Teresa Jacobs*
Teresa Jacobs,
Orange County Mayor
Date: 4.25.17

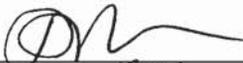
ATTEST: Phil Diamond, CPA, County
Comptroller
As Clerk of the Board of County
Commissioners

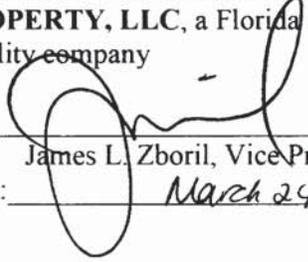
By: *Noelia Perez*
Deputy Clerk
Print Name: Noelia Perez

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Crockett Development Property, LLC, 2017

Signed, sealed and delivered in
the presence of:

**CROCKETT DEVELOPMENT
PROPERTY, LLC**, a Florida limited
liability company


Print Name: Robyn Noren

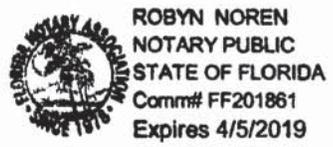
By: 
James L. Zboril, Vice President MR

Date: March 24, 2017


Print Name: Rosetta Johnson

State of Florida)
County of Orange)

The foregoing instrument was acknowledged before me this 24 day of
March, 2017, by James L. Zboril, as Vice President of Crockett Development
Property, LLC, a Florida limited liability company, on behalf of the company. He is
personally known to me or has produced his driver's license as identification.



(Notarial Seal)


Notary Public, State of Florida
Printed Name: _____

EXHIBIT "C"

ROAD WIDENING SCOPE OF SERVICES

Exhibit "C" to the Amendment to Agreement is hereby supplemented to add that certain Change Order by Dewberry Engineers Inc. dated February 8, 2017 attached hereto as 11 pages



Dewberry Engineers Inc 407 843 5120
800 N Magnolia Ave, Suite 1000 407 649 8664 fax
Orlando, FL 32803 www.dewberry.com

February 8, 2017

File No. 99254039 (LKN-11)

Mr. John Pottinger
Tavistock Development Company
6900 Tavistock Lakes Blvd., Suite 200
Orlando, Florida 32827

Subject: **Boggy Creek Road North
South Access Road to Wetherbee Road
Amendment No. 1**

Dear Mr. Pottinger,

Dewberry is pleased to submit the enclosed Scope of Services and fee proposal for additional design services for the Boggy Creek Road North project. The additional services include realigning the roadway to eliminate impacts to a Conservation Easement within the Airport South property. The additional services associated with the realignment were not included in the original scope of work.

We appreciate the opportunity to provide these services to Tavistock and Orange County. If you have any questions, or require additional information, please contact me at your convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin E. Knudsen", with a long horizontal flourish extending to the right.

Kevin E. Knudsen, P.E.
Vice President

KEK:cnp
\\LKN\11\Corr\6001
Enclosures

c: Larry Kaufmann, P.E.



Supplemental Scope of Services

**Boggy Creek Road
Airport South Connector Road to Wetherbee Road Extension
Contract Y13-806-CH**

3.0 – Design and Plans Preparation – Dewberry was requested to realign the roadway after the 90% submittal to avoid impacts to an existing Conservation Easement. The roadway alignment was established per the August 14, 2008 Preliminary Engineering Report prepared by Bowyer-Singleton (Dewberry) for Lake Nona. The Conservation Easement was recorded on August 31, 2012, after the Preliminary Engineering Report was completed. Other Conservation Easements along the roadway alignment were described to the proposed R/W line, but this particular easement was described to the existing R/W line. Impacts to the Conservation Easement would have required releasing the Conservation Easement with the SFWMD, USACOE and Orange County. Releasing the Conservation Easement would have required considerable time and effort and would require additional wetland mitigation. The roadway alignment was shifted to avoid impacts to the Conservation Easement, resulting in redesign of approximately ½ mile of the roadway. Steel sheet piling was added to eliminate the roadway embankment from encroaching into the Conservation Easement. Work activities include roadway design, drainage design, structure design, plan revisions, signing and pavement markings and permitting.

**EXHIBIT "D" - AMENDMENT 1
ORANGE COUNTY PUBLIC WORKS DEPARTMENT
ACTIVITY AND FEE SUMMARY**

Project: Boggy Creek Road
 From: Airport South Access Road to Wetherbee Road Extension
 Date: December 20, 2016
 CIP #: _____
 Purchasing Contract #: _____
 Firm: Dewberry

Activity		Dewberry											TOTAL
1 Administration													\$0.00
2 Public Information													\$0.00
3 Design & Plans Preparation	939	\$97,448.44											\$97,448.44
4 Permitting													\$0.00
5 Right-of-Way													\$0.00
6 Design Survey													\$0.00
7 Geotechnical Services													\$0.00
9 Post Design (Limiting Amount)													\$0.00
TOTAL	939	\$97,448.44	\$0.00	\$97,448.44									

Project: Boggy Creek Road
 From: Airport South Access Road to Wetherbee Road Extension
 Date: December 20, 2016
 CIP #: _____
 Purchasing Contract #: _____
 Firm: Dewberry

FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech.		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks
						\$65.83	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)				
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost				
3.1 Roadway Design																			
a. Typical Section Package & Design Criteria	LS	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
b. Geometrics Design Files	LS	1	135		135	6	\$394.96	16	\$728.00	56	\$1,725.92	57	\$1,539.00	0	\$0.00	\$4,387.90	135	\$32.50	0.5 hrs @ 240 hrs
c. Cross Section Design Files	LS	1	55		55	2	\$131.66	7	\$318.50	22	\$678.04	24	\$648.00	0	\$0.00	\$1,776.20	55	\$32.29	0.5 hrs @ 110 hrs
d. Field Visits	EA	2	8		16	1	\$65.83	2	\$91.00	6	\$184.92	7	\$189.00	0	\$0.00	\$530.75	16	\$33.17	
e. Technical Meetings	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
f. Design Computation Book	LS	1	8		8	1	\$65.83	2	\$91.00	3	\$92.46	2	\$54.00	0	\$0.00	\$303.29	8	\$37.91	
g. Quantity Computation Book	LS	1	16		16	2	\$131.66	4	\$182.00	6	\$184.92	4	\$108.00	0	\$0.00	\$606.58	16	\$37.91	
f. Pavement Design	LS	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
Total				0	230	12	\$789.96	31	\$1,410.50	93	\$2,866.26	94	\$2,538.00	0	\$0.00	\$7,604.72	230	\$33.06	
3.2 Drainage Design																			
a. Determine Base Clearance Water Elev.	LS	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
b. Review RCA Pond Siting Report	LS				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
c. Design of Cross Drains	EA	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
d. Design of Roadway Ditches	ME	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
e. Design of Outfalls	EA	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
f. Design of Stormwater Management Facilities	EA	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
g. Design of Floodplain Compensation Areas	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
h. Design of Storm Drains	EA	21	1.5		32	2	\$131.66	11	\$500.50	19	\$585.58	0	\$0.00	0	\$0.00	\$1,217.74	32	\$38.05	
i. Field Reviews	EA	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
j. Technical Meetings	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
k. Design Documentation Report	LS	1	8		8	1	\$65.83	2	\$91.00	5	\$154.10	0	\$0.00	0	\$0.00	\$310.93	8	\$38.87	
l. Dewatering Design	LS	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
Total				0	40	3	\$197.48	13	\$591.50	24	\$739.68	0	\$0.00	0	\$0.00	\$1,628.67	40	\$38.22	
3.3 Structural Design																			
<i>Bridge No. 1 (New Bridge)</i>																			
a. Bridge Concept Report	LS	1	0		0	0	\$0.00	16	\$728.00	32	\$986.24	32	\$864.00	0	\$0.00	\$2,578.24	80	\$32.23	
b. Bridge Geometrics	EA	2	0		0	0	\$0.00	5	\$227.50	9	\$277.38	2	\$54.00	0	\$0.00	\$558.88	16	\$34.93	
c. Expansion/Contraction Analysis	EA	2	0		0	0	\$0.00	1	\$45.50	2	\$61.64	1	\$27.00	0	\$0.00	\$134.14	4	\$33.54	
d. End Bent Design & Geometry	EA	2	0		0	0	\$0.00	8	\$364.00	24	\$739.68	8	\$216.00	0	\$0.00	\$1,319.68	40	\$32.99	
e. Wingwall Design & Geometry	EA	1	0		0	0	\$0.00	0	\$0.00	6	\$184.92	2	\$54.00	0	\$0.00	\$238.92	8	\$29.87	
f. Pier Design & Geometry	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
g. Finished Grade Elevation Calculations	EA	2	0		0	0	\$0.00	8	\$364.00	18	\$554.76	8	\$182.00	0	\$0.00	\$1,080.76	32	\$33.77	
h. Bridge Deck Design	EA	2	0		0	0	\$0.00	6	\$273.00	14	\$431.48	4	\$108.00	0	\$0.00	\$812.48	24	\$33.85	

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FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech.		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks	
						\$85.83	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)					
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost					
i. Diaphragm Design/ Jacking Loads	EA	2	0		24	0	\$0.00	8	\$364.00	14	\$431.48	2	\$54.00	0	\$0.00	\$849.48	24	\$35.40		
j. Prestressed Beam Design	EA	2	0		0	0	\$0.00	4	\$182.00	10	\$308.20	2	\$54.00	0	\$0.00	\$544.20	16	\$34.01		
k. Bridge Load Rating	EA	2	0		0	0	\$0.00	12	\$546.00	28	\$862.96	8	\$216.00	0	\$0.00	\$1,624.96	48	\$33.85		
l. Retaining Wall Horizontal Geometry	EA	2	0		0	0	\$0.00	4	\$182.00	6	\$184.92	2	\$54.00	0	\$0.00	\$420.92	12	\$35.08		
m. Retaining Wall Vertical Geometry	EA	2	0		0	0	\$0.00	4	\$182.00	6	\$184.92	2	\$54.00	0	\$0.00	\$420.92	12	\$35.08		
n. Computation Booklet	LS	1	0		0	0	\$0.00	4	\$182.00	6	\$184.92	2	\$54.00	0	\$0.00	\$420.92	12	\$35.08		
o. Quantity Calculations & Computation Booklet	LS	1	0		0	0	\$0.00	5	\$227.50	9	\$277.38	2	\$54.00	0	\$0.00	\$558.88	16	\$34.93		
p. Cost Estimate	LS	1	0		0	0	\$0.00	2	\$91.00	4	\$123.28	2	\$54.00	0	\$0.00	\$268.28	8	\$33.54		
<i>Miscellaneous Structures</i>																				
a. Mast Arm Design	EA	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
b. Box Culvert Design	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
c. Sheet Pile Wall Design	EA	1	40		40	2	\$131.66	8	\$364.00	20	\$616.40	10	\$270.00	0	\$0.00	\$1,382.06	40	\$34.55		
d. Field Visits	EA	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total					0	64	2	\$131.66	95	\$4,322.50	208	\$6,410.56	87	\$2,349.00	0	\$0.00	\$13,213.72	392	\$33.71	
3.4.1 Cover Sheet																				
a. Cover Sheet	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
3.4.2 General Notes																				
a. General Notes Sheet	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
3.4.3 Standard Drawings and Details																				
a. Standard Drawings and Details Sheets	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
3.4.4 Summary of Pay Items																				
a. Summary of Pay Items Sheets	Sheet	1	3	1	3	0	\$0.00	1	\$45.50	1	\$30.82	1	\$27.00	0	\$0.00	\$103.32	3	\$34.44		
Total				1	3	0	\$0.00	1	\$45.50	1	\$30.82	1	\$27.00	0	\$0.00	\$103.32	3	\$34.44		
3.4.5 Drainage Map																				
a. Drainage Map Sheets	Sheet	1	8	4	32	0	\$0.00	2	\$91.00	2	\$61.64	4	\$108.00	0	\$0.00	\$260.64	8	\$32.58		
Total				4	32	0	\$0.00	2	\$91.00	2	\$61.64	4	\$108.00	0	\$0.00	\$260.64	8	\$32.58		

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FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech.		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks
						\$65.83	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)				
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost				
3.4.6 Typical Sections																			
a. Boggy Creek Road - New Bridge	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
b. Boggy Creek Road Transition	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
c. Details (Wall, Guardrail, X-Slope)	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
d.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
e.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
f.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
g.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
h.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
Total				3	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
3.4.7 Summary of Quantities																			
a. Summary of Quantities Sheets	Sheet	3	4	1	4	1	\$65.83	1	\$45.50	1	\$30.82	1	\$27.00	0	\$0.00	\$169.15	4	\$42.29	
Total				1	4	1	\$65.83	1	\$45.50	1	\$30.82	1	\$27.00	0	\$0.00	\$169.15	4	\$42.29	
3.4.8 Summary of Drainage Structures																			
a. Summary of Drainage Structures Sheets	Sheet	1	4	1	4	1	\$65.83	1	\$45.50	1	\$30.82	12	\$324.00	0	\$0.00	\$466.15	15	\$31.08	
Total				1	4	1	\$65.83	1	\$45.50	1	\$30.82	12	\$324.00	0	\$0.00	\$466.15	15	\$31.08	
3.4.9 Survey Control Sheets																			
a. Survey Control Sheets	Sheet	1	4	1	4	0	\$0.00	1	\$45.50	2	\$61.64	1	\$27.00	0	\$0.00	\$134.14	4	\$33.54	
Total				1	4	0	\$0.00	1	\$45.50	2	\$61.64	1	\$27.00	0	\$0.00	\$134.14	4	\$33.54	
3.4.10 Plan and Profile Sheets																			
a. Boggy Creek Road	Sheet	5	4	5	20	2	\$131.66	4	\$182.00	8	\$184.92	8	\$216.00	0	\$0.00	\$714.58	20	\$35.73	
b.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
c.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
d. Driveway Profile Sheets	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
e. Side Street Profile Sheets	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
Total				6	20	2	\$131.66	4	\$182.00	6	\$184.92	8	\$216.00	0	\$0.00	\$714.58	20	\$35.73	
3.4.11 Intersection Details																			
a. South Access Road	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
b. Wetherbee Road Extension	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
c. Airport South PD Entrance	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
d.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
e.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
f.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
Total				3	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	

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FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech.		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks	
						\$65.83	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)					
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost					
3.4.12 Drainage Structure Cross Sections																				
a. Drainage Structure Cross Sections	EA	20	1.5	20	30	1	\$65.83	3	\$136.50	4	\$123.28	12	\$324.00	0	\$0.00	\$649.61	20	\$32.48		
Total				20	30	1	\$65.83	3	\$136.50	4	\$123.28	12	\$324.00	0	\$0.00	\$649.61	20	\$32.48		
3.4.13 Box Culvert Plans																				
a. Box Culverts Sheets	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
3.4.14 Pond Details and Cross Sections																				
a. Pond Detail Sheets	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
b. Pond Cross Section Sheets	EA	1	0.0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				2	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
3.4.15 Flood Plain Compensation Area Details																				
a. Flood Plain Compensation Detail Sheets	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
b. Flood Plain Compensation Cross Sections	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
3.4.16 Wetland Mitigation Details																				
3.4.16.1 Mitigation Alternatives Consideration																				
3.4.16.2 Mitigation Plans					0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
3.4.17 Geotechnical Soil Survey Sheet																				
a. Geotechnical Soil Survey	Sheet	1	1	1	1	0	\$0.00	0	\$0.00	0	\$0.00	1	\$27.00	0	\$0.00	\$27.00	1	\$27.00		
Total				1	1	0	\$0.00	0	\$0.00	0	\$0.00	1	\$27.00	0	\$0.00	\$27.00	1	\$27.00		
3.4.18 Cross Section Sheets																				
a. Boggy Creek Road	EA	54	0.3	27	18	0	\$0.00	3	\$136.50	6	\$184.92	9	\$243.00	0	\$0.00	\$564.42	18	\$31.36		
b.	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
c.	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
d.	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
e.	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				27	18	0	\$0.00	3	\$136.50	6	\$184.92	9	\$243.00	0	\$0.00	\$564.42	18	\$31.36		
3.4.19 Erosion Control Plan																				
a. Erosion Control Plan Sheets	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		

Project: Boggy Creek Road
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FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech.		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks	
						\$65.83	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)					
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost					
3.4.21 Screen Wall Sheets																				
a. Screen Wall Sheets	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
3.4.22 Maintenance of Traffic Plans (2 Phases)																				
a. Traffic Control Analysis	L.S.	1	8		8	1	\$65.83	2	\$91.00	2	\$61.64	3	\$81.00	0	\$0.00	\$299.47	8	\$37.43		
b. Traffic Control Design Files	L.S.	1	20		20	2	\$131.66	2	\$91.00	6	\$184.92	10	\$270.00	0	\$0.00	\$677.58	20	\$33.88	Update 10/16	
c. General & Phasing Notes	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
d. Boggy Creek Road	Sheet	4	4	4	16	1	\$65.83	2	\$91.00	4	\$123.28	9	\$243.00	0	\$0.00	\$523.11	16	\$32.69		
e.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
f.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
g.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
h.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
i.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
j. MOT Drainage	L.S.	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
k. MOT Cross Sections	Sheet	1	0.00	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				6	44	4	\$263.32	6	\$273.00	12	\$369.84	22	\$594.00	0	\$0.00	\$1,500.16	44	\$34.09		
3.4.23 Utility Adjustment Plans/Roadway Lighting																				
a. Boggy Creek Road	Sheet	5	2	5	10	0	\$0.00	2	\$91.00	2	\$61.64	6	\$162.00	0	\$0.00	\$314.64	10	\$31.46		
b.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
c.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
d.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
e.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				5	10	0	\$0.00	2	\$91.00	2	\$61.64	6	\$162.00	0	\$0.00	\$314.64	10	\$31.46		
3.4.24 Signing and Pavement Markings																				
aa. Reference and Design File	L.S.	1	8		8	0	\$0.00	2	\$91.00	2	\$61.64	4	\$108.00	0	\$0.00	\$260.64	8	\$32.58		
ab. Tabulation of Quantities	Sheet	1	1	1	2	0	\$0.00	0	\$0.00	1	\$30.82	1	\$27.00	0	\$0.00	\$57.82	2	\$28.91		
a. Existing Sign Inventory	L.S.	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
b. General Notes Sheet	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
c. Summary of Pay Items	Sheet	1	2	1	2	0	\$0.00	0	\$0.00	1	\$30.82	1	\$27.00	0	\$0.00	\$57.82	2	\$28.91		
d. Boggy Creek Road	Sheet	5	2	5	10	1	\$65.83	2	\$91.00	2	\$61.64	5	\$135.00	0	\$0.00	\$353.47	10	\$35.35		
e. Wetherbee Road Extension	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
f.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
g. Signing Cross Sections	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		

Project: Boggy Creek Road
 From: Airport South Access Road to Wetherbee Road Extension
 Date: December 20, 2016
 CIP #: _____
 Purchasing Contract #: _____
 Firm: Dewberry

FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech.		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks
						\$65.83	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)				
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost				
Total				9	22	1	\$65.83	4	\$182.00	6	\$184.92	11	\$297.00	0	\$0.00	\$729.75	22	\$33.17	
3.4.25 Signalization Plans																			
a. Engineering Analysis	LS	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
b. Summary of Quantities	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
c. General Notes Sheet	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
d. Plan Sheet - Wetherbee Road Extension	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
e. Guide Sign Worksheets	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
f. _____	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
g. Interconnect Plan Sheets	Sheet	0	0	0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
h. Special Details-Mast Arm Detail Sheet	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
i. Mast Arm Tabulation Sheet	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
j. Internally Illuminated Street Name Signs	EA	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
Total				7	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
3.4.26 Landscape Plans																			
a. General Notes Sheet	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
b. Planting Detail Sheet	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
c. Main Line Plan Sheets	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
d. Quantity Calculations	LS	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
Total				4	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	

Project: Boggy Creek Road
 From: Airport South Access Road to Wetherbee Road Extension
 Date: December 20, 2016
 CIP #: _____
 Purchasing Contract #: _____
 Firm: Dewberry

FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech.		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks	
						\$65.83	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)					
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost					
3.4.27.1 Structure Plans																				
a. Index of Drawings	Sheet	1	4	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
b. Standard Drawings	Sheet	4	4	4	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
Bridge No. 1																				
c. General Notes, Mid-term Notes & Surface Finish	Sheet	2	4	2	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
d. Region of Care Drawings	Sheet	1	4	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
e. General Plan & Elevation	Sheet	1	4	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
f. Construction Staging	Sheet	1	4	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
g. Approach Slab Plan & Details	Sheet	2	4	2	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
h. End Bent Plan & Elevation	Sheet	1	4	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
i. End Bent Details	Sheet	4	4	4	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
j. Scope Protocol Details	Sheet	1	4	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
k. Pier Plan & Elevation	Sheet	1	4	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
l. Pier Details	Sheet	0	0	0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
m. Foundation Layout	Sheet	2	16	2	32	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
n. Finished Grade Elevations	Sheet	2	16	2	32	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
o. Superstructure Plan	Sheet	2	20	2	40	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
p. Superstructure Section	Sheet	2	8	2	16	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
q. Superstructure Details	Sheet	4	24	4	96	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
r. Prestress/Deck Schedules	Sheet	1	16	1	16	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
s. Expansion Joint Details, Bearing Devices	Sheet	1	16	1	16	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
t. Reinforcing Bar Lists	Sheet	2	8	2	16	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
u. Bridge Hydraulic Recommendations Sheet	Sheet	1	24	1	24	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
Total				36	288	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
3.4.27.4 Retaining Wall Plans																				
a. Detail Drawing Key, Sheet & General Notes	Sheet	1	2	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
b. Retaining Wall 1	Sheet	1	12	1	12	0	\$0.00	2	\$91.00	4	\$123.28	6	\$162.00	0	\$0.00	\$376.28	12	\$31.36	#DIV/0!	
c. Retaining Wall 2	Sheet	1	12	1	12	0	\$0.00	2	\$91.00	4	\$123.28	6	\$162.00	0	\$0.00	\$376.28	12	\$31.36	#DIV/0!	
d. Retaining Wall 3	Sheet	0	0	0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
e. Retaining Wall 4	Sheet	0	0	0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
f. Retaining Wall 5	Sheet	0	0	0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
g. Retaining Wall Miscellaneous Details	Sheet	1	2	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
Total				4	24	0	\$0.00	4	\$182.00	8	\$246.56	12	\$324.00	0	\$0.00	\$752.56	24	\$31.36		

Project: Boggy Creek Road
 From: Airport South Access Road to Weltherbee Road Extension
 Date: December 20, 2016
 CIP #: _____
 Purchasing Contract #: _____
 Firm: Dewberry

FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech.		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks	
						\$65.83	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)					
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost					
3.4.27.5 Critical Temporary Wall Plans																				
a. Critical Wall General Notes	sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
b. Critical Retaining Wall 1	sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
c. Critical Retaining Wall 2	sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
d. Critical Retaining Wall Miscellaneous Details	sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
Total				3	9	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
SUBTOTAL 3				148	838	27	\$1,777.41	171	\$7,780.50	376	\$11,588.32	281	\$7,587.00	0	\$0.00	\$28,733.23	855	\$33.61		
Quality Control	5%-10%	set at 5%			42	11	\$724.13	17	\$773.50	14	\$431.48					\$1,929.11	42	\$45.93		
Supervision	5%-10%	set at 5%			42	11	\$724.13	17	\$773.50	14	\$431.48					\$1,929.11	42	\$45.93		
TOTAL 3					922	49	\$3,225.67	205	\$9,327.50	404	\$12,451.28	281	\$7,587.00	0	\$0.00	\$32,591.45	939	\$34.71		

Task 1 Salary Costs	\$32,591.45
a. Overhead Activities	
Admin. & General	199.00%
Fringe Benefits	
Subtotal (Salary & Overhead)	\$97,448.44
b. Operating Margin	
Subtotal (Salary Related Costs)	\$97,448.44
c. Direct Reimbursables (out of pocket)	
	\$0.00
Total Task 1 Cost	\$97,448.44

EXHIBIT "D"

ROAD WIDENING DESIGN COSTS

Exhibit "C" to the Amendment to Agreement is hereby supplemented to add that certain Change Order by Dewberry Engineers Inc. dated February 8, 2017 attached hereto as 11 pages



Dewberry Engineers Inc 407 843.5120
800 N Magnolia Ave, Suite 1000 407 649 8664 fax
Orlando, FL 32803 www.dewberry.com

February 8, 2017

File No. 99254039 (LKN-11)

Mr. John Pottinger
Tavistock Development Company
6900 Tavistock Lakes Blvd., Suite 200
Orlando, Florida 32827

Subject: **Boggy Creek Road North
South Access Road to Wetherbee Road
Amendment No. 1**

Dear Mr. Pottinger,

Dewberry is pleased to submit the enclosed Scope of Services and fee proposal for additional design services for the Boggy Creek Road North project. The additional services include realigning the roadway to eliminate impacts to a Conservation Easement within the Airport South property. The additional services associated with the realignment were not included in the original scope of work.

We appreciate the opportunity to provide these services to Tavistock and Orange County. If you have any questions, or require additional information, please contact me at your convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin E. Knudsen", with a long horizontal flourish extending to the right.

Kevin E. Knudsen, P.E.
Vice President

KEK:enp
\\LKN11\Corr\6001
Enclosures

c: Larry Kaufmann, P.E.



Supplemental Scope of Services

**Boggy Creek Road
Airport South Connector Road to Wetherbee Road Extension
Contract Y13-806-CH**

3.0 – Design and Plans Preparation – Dewberry was requested to realign the roadway after the 90% submittal to avoid impacts to an existing Conservation Easement. The roadway alignment was established per the August 14, 2008 Preliminary Engineering Report prepared by Bowyer-Singleton (Dewberry) for Lake Nona. The Conservation Easement was recorded on August 31, 2012, after the Preliminary Engineering Report was completed. Other Conservation Easements along the roadway alignment were described to the proposed R/W line, but this particular easement was described to the existing R/W line. Impacts to the Conservation Easement would have required releasing the Conservation Easement with the SFWMD, USACOE and Orange County. Releasing the Conservation Easement would have required considerable time and effort and would require additional wetland mitigation. The roadway alignment was shifted to avoid impacts to the Conservation Easement, resulting in redesign of approximately ½ mile of the roadway. Steel sheet piling was added to eliminate the roadway embankment from encroaching into the Conservation Easement. Work activities include roadway design, drainage design, structure design, plan revisions, signing and pavement markings and permitting.

**EXHIBIT "D" - AMENDMENT 1
ORANGE COUNTY PUBLIC WORKS DEPARTMENT
ACTIVITY AND FEE SUMMARY**

Project: Boggy Creek Road
 From: Airport South Access Road to Wetherbee Road Extension
 Date: December 20, 2016
 CIP #: _____
 Purchasing Contract #: _____
 Firm: Dewberry

Activity		Dewberry											TOTAL
1 Administration													\$0.00
2 Public Information													\$0.00
3 Design & Plans Preparation	939	\$97,448.44											\$97,448.44
4 Permitting													\$0.00
5 Right-of-Way													\$0.00
6 Design Survey													\$0.00
7 Geotechnical Services													\$0.00
9 Post Design (Limiting Amount)													\$0.00
TOTAL	939	\$97,448.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$97,448.44

Project: Boggy Creek Road
 From: Airport South Access Road to Wetherbee Road Extension
 Date: December 20, 2016
 CIP #: _____
 Purchasing Contract #: _____
 Firm: Dewberry

FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech.		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks
						\$65.83	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)				
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost				
3.1 Roadway Design																			
a. Typical Section Package & Design Criteria	LS	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
b. Geometrics Design Files	LS	1	135		135	6	\$384.96	16	\$728.00	56	\$1,725.92	57	\$1,539.00	0	\$0.00	\$4,387.90	135	\$32.50	3.0 @ 270 hrs
c. Cross Section Design Files	LS	1	55		55	2	\$131.66	7	\$318.50	22	\$678.04	24	\$648.00	0	\$0.00	\$1,776.20	55	\$32.29	3.0 @ 110 hrs
d. Field Visits	EA	2	8		16	1	\$65.83	2	\$91.00	6	\$184.92	7	\$189.00	0	\$0.00	\$530.75	16	\$33.17	
e. Technical Meetings	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
f. Design Computation Book	LS	1	8		8	1	\$65.83	2	\$91.00	3	\$92.46	2	\$54.00	0	\$0.00	\$303.29	8	\$37.91	
g. Quantity Computation Book	LS	1	16		16	2	\$131.66	4	\$182.00	8	\$184.92	4	\$108.00	0	\$0.00	\$606.58	16	\$37.91	
f. Pavement Design	LS	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
Total					0	230	\$789.96	31	\$1,410.50	93	\$2,866.26	94	\$2,538.00	0	\$0.00	\$7,604.72	230	\$33.06	
3.2 Drainage Design																			
a. Determine Base Clearance Water Elev.	LS	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
b. Review RCA Pond String Report	LS				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
c. Design of Cross Drains	EA	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
d. Design of Roadway Ditches	Misc	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
e. Design of Outfalls	EA	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
f. Design of Stormwater Management Facilities	EA	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
g. Design of Floodplain Compensation Areas	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
h. Design of Storm Drains	EA	21	15		32	2	\$131.66	11	\$500.50	19	\$585.58	0	\$0.00	0	\$0.00	\$1,217.74	32	\$38.05	
i. Field Reviews	EA	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
j. Technical Meetings	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
k. Design Documentation Report	LS	1	8		8	1	\$65.83	2	\$91.00	5	\$154.10	0	\$0.00	0	\$0.00	\$310.93	8	\$38.67	
l. Dewatering Design	LS	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
Total					0	40	\$197.48	13	\$591.50	24	\$739.88	0	\$0.00	0	\$0.00	\$1,528.67	40	\$38.22	
3.3 Structural Design																			
<i>Bridge No. 1 (New Bridge)</i>																			
a. Bridge Concept Report	LS	1	0		0	0	\$0.00	16	\$728.00	32	\$986.24	32	\$864.00	0	\$0.00	\$2,578.24	80	\$32.23	
b. Bridge Geometrics	EA	2	0		0	0	\$0.00	5	\$227.50	9	\$277.38	2	\$54.00	0	\$0.00	\$558.88	16	\$34.93	
c. Expansion/Contraction Analysis	EA	2	0		0	0	\$0.00	1	\$45.50	2	\$61.64	1	\$27.00	0	\$0.00	\$134.14	4	\$33.54	
d. End Bent Design & Geometry	EA	2	0		0	0	\$0.00	8	\$364.00	24	\$739.68	8	\$216.00	0	\$0.00	\$1,319.68	40	\$32.99	
e. Wingwall Design & Geometry	EA	1	0		0	0	\$0.00	0	\$0.00	6	\$184.92	2	\$54.00	0	\$0.00	\$238.92	8	\$29.87	
f. Pier Design & Geometry	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
g. Finished Grade Elevation Calculations	EA	2	0		0	0	\$0.00	8	\$364.00	18	\$554.76	8	\$182.00	0	\$0.00	\$1,080.76	32	\$33.77	
h. Bridge Deck Design	EA	2	0		0	0	\$0.00	6	\$273.00	14	\$431.48	4	\$108.00	0	\$0.00	\$812.48	24	\$33.85	

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FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech.		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks
						\$85.63	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)				
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost				
i. Diaphragm Design/ Jacking Loads	EA	2	0		24	0	\$0.00	8	\$364.00	14	\$431.48	2	\$54.00	0	\$0.00	\$849.48	24	\$35.40	
j. Prestressed Beam Design	EA	2	0		0	0	\$0.00	4	\$182.00	10	\$308.20	2	\$54.00	0	\$0.00	\$544.20	16	\$34.01	
k. Bridge Load Rating	EA	2	0		0	0	\$0.00	12	\$545.00	28	\$862.96	8	\$216.00	0	\$0.00	\$1,624.96	48	\$33.85	
l. Retaining Wall Horizontal Geometry	EA	2	0		0	0	\$0.00	4	\$182.00	6	\$184.92	2	\$54.00	0	\$0.00	\$420.92	12	\$35.08	
m. Retaining Wall Vertical Geometry	EA	2	0		0	0	\$0.00	4	\$182.00	6	\$184.92	2	\$54.00	0	\$0.00	\$420.92	12	\$35.08	
n. Computation Booklet	LS	1	0		0	0	\$0.00	4	\$182.00	6	\$184.92	2	\$54.00	0	\$0.00	\$420.92	12	\$35.08	
o. Quantity Calculations & Computation Booklet	LS	1	0		0	0	\$0.00	5	\$227.50	9	\$277.38	2	\$54.00	0	\$0.00	\$558.88	16	\$34.93	
p. Cost Estimate	LS	1	0		0	0	\$0.00	2	\$91.00	4	\$123.28	2	\$54.00	0	\$0.00	\$268.28	8	\$33.54	
<i>Miscellaneous Structures</i>																			
a. Mast Arm Design	EA	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
b. Box Culvert Design	EA	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
c. Sheet Pile Wall Design	EA	1	40		40	2	\$131.66	8	\$364.00	20	\$616.40	10	\$270.00	0	\$0.00	\$1,382.06	40	\$34.55	
d. Field Visits	EA	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
Total					64	2	\$131.66	95	\$4,322.50	208	\$6,410.58	87	\$2,349.00	0	\$0.00	\$13,213.72	392	\$33.71	
3.4.1 Cover Sheet																			
a. Cover Sheet	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
Total				1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
3.4.2 General Notes																			
a. General Notes Sheet	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
Total				1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
3.4.3 Standard Drawings and Details																			
a. Standard Drawings and Details Sheets	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
Total				1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!	
3.4.4 Summary of Pay Items																			
a. Summary of Pay Items Sheets	Sheet	1	3	1	3	0	\$0.00	1	\$45.50	1	\$30.82	1	\$27.00	0	\$0.00	\$103.32	3	\$34.44	
Total				1	3	0	\$0.00	1	\$45.50	1	\$30.82	1	\$27.00	0	\$0.00	\$103.32	3	\$34.44	
3.4.5 Drainage Map																			
a. Drainage Map Sheets	Sheet	1	8	4	32	0	\$0.00	2	\$91.00	2	\$61.64	4	\$108.00	0	\$0.00	\$260.64	8	\$32.58	
Total				4	32	0	\$0.00	2	\$91.00	2	\$61.64	4	\$108.00	0	\$0.00	\$260.64	8	\$32.58	

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FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech.		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks
						\$65.83	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)				
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost				
3.4.6 Typical Sections																			
a. Boggy Creek Road - New Bridge	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
b. Boggy Creek Road Transition	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
c. Details (Wall, Guardrail, X-Slope)	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
d.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
e.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
f.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
g.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
h.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
Total				3	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
3.4.7 Summary of Quantities																			
a. Summary of Quantities Sheets	Sheet	1	4	1	4	1	\$65.83	1	\$45.50	1	\$30.82	1	\$27.00	0	\$0.00	\$169.15	4	\$42.29	
Total				1	4	1	\$65.83	1	\$45.50	1	\$30.82	1	\$27.00	0	\$0.00	\$169.15	4	\$42.29	
3.4.8 Summary of Drainage Structures																			
a. Summary of Drainage Structures Sheets	Sheet	1	4	1	4	1	\$65.83	1	\$45.50	1	\$30.82	12	\$324.00	0	\$0.00	\$486.15	15	\$31.08	
Total				1	4	1	\$65.83	1	\$45.50	1	\$30.82	12	\$324.00	0	\$0.00	\$486.15	15	\$31.08	
3.4.9 Survey Control Sheets																			
a. Survey Control Sheets	Sheet	1	4	1	4	0	\$0.00	1	\$45.50	2	\$61.64	1	\$27.00	0	\$0.00	\$134.14	4	\$33.54	
Total				1	4	0	\$0.00	1	\$45.50	2	\$61.64	1	\$27.00	0	\$0.00	\$134.14	4	\$33.54	
3.4.10 Plan and Profile Sheets																			
a. Boggy Creek Road	Sheet	5	4	5	20	2	\$131.66	4	\$182.00	6	\$184.92	8	\$216.00	0	\$0.00	\$714.58	20	\$35.73	
b.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
c.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
d. Driveway Profile Sheets	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
e. Side Street Profile Sheets	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
Total				6	20	2	\$131.66	4	\$182.00	6	\$184.92	8	\$216.00	0	\$0.00	\$714.58	20	\$35.73	
3.4.11 Intersection Details																			
a. South Access Road	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
b. Wetherbee Road Extension	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
c. Airport South PD Entrance	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
d.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
e.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
f.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!
Total				3	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!

Project: Boggy Creek Road
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FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech.		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks	
						\$65.83	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)					
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost					
3.4.12 Drainage Structure Cross Sections																				
a. Drainage Structure Cross Sections	EA	20	1.5	20	30	1	\$65.83	3	\$136.50	4	\$123.28	12	\$324.00	0	\$0.00	\$649.61	20	\$32.48		
Total				20	30	1	\$65.83	3	\$136.50	4	\$123.28	12	\$324.00	0	\$0.00	\$649.61	20	\$32.48		
3.4.13 Box Culvert Plans																				
a. Box Culverts Sheets	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
3.4.14 Pond Details and Cross Sections																				
a. Pond Detail Sheets	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
b. Pond Cross Section Sheets	EA	1	2	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				2	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
3.4.15 Flood Plain Compensation Area Details																				
a. Flood Plain Compensation Detail Sheets	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
b. Flood Plain Compensation Cross Sections	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
3.4.16 Wetland Mitigation Details																				
3.4.16.1 Mitigation Alternatives Consideration																				
3.4.16.2 Mitigation Plans					0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
3.4.17 Geotechnical Soil Survey Sheet																				
a. Geotechnical Soil Survey	Sheet	1	1	1	1	0	\$0.00	0	\$0.00	0	\$0.00	1	\$27.00	0	\$0.00	\$27.00	1	\$27.00		
Total				1	1	0	\$0.00	0	\$0.00	0	\$0.00	1	\$27.00	0	\$0.00	\$27.00	1	\$27.00		
3.4.18 Cross Section Sheets																				
a. Boggy Creek Road	EA	14	1.3	27	18	0	\$0.00	3	\$136.50	6	\$184.92	9	\$243.00	0	\$0.00	\$564.42	18	\$31.36		
b.	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
c.	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
d.	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
e.	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				27	18	0	\$0.00	3	\$136.50	6	\$184.92	9	\$243.00	0	\$0.00	\$564.42	18	\$31.36		
3.4.19 Erosion Control Plan																				
a. Erosion Control Plan Sheets	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		

Project: Boggy Creek Road
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FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech.		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks	
						\$65.83	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)					
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost					
3.4.21 Screen Wall Sheets																				
a. Screen Wall Sheets	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
3.4.22 Maintenance of Traffic Plans (2 Phases)																				
a. Traffic Control Analysis	LS	1	8		8	1	\$65.83	2	\$91.00	2	\$61.64	3	\$81.00	0	\$0.00	\$299.47	8	\$37.43		
b. Traffic Control Design Files	LS	1	20		20	2	\$131.66	2	\$91.00	6	\$184.92	10	\$270.00	0	\$0.00	\$677.58	20	\$33.88	0.5 hrs @ 200.00	
c. General & Phasing Notes	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
d. Boggy Creek Road	Sheet	4	4	4	16	1	\$65.83	2	\$91.00	4	\$123.28	9	\$243.00	0	\$0.00	\$523.11	16	\$32.69		
e.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
f.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
g.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
h.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
i.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
j. MOT Drainage	LS	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
k. MOT Cross Sections	Sheet	1	0.00	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				6	44	4	\$263.32	6	\$273.00	12	\$369.84	22	\$594.00	0	\$0.00	\$1,500.16	44	\$34.09		
3.4.23 Utility Adjustment Plans/Roadway Lighting																				
a. Boggy Creek Road	Sheet	5	2	5	10	0	\$0.00	2	\$91.00	2	\$61.64	6	\$162.00	0	\$0.00	\$314.64	10	\$31.46		
b.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
c.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
d.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
e.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
Total				5	10	0	\$0.00	2	\$91.00	2	\$61.64	6	\$162.00	0	\$0.00	\$314.64	10	\$31.46		
3.4.24 Signing and Pavement Markings																				
aa. Reference and Design File	LS	1	8		8	0	\$0.00	2	\$91.00	2	\$61.64	4	\$108.00	0	\$0.00	\$260.64	8	\$32.58		
ab. Tabulation of Quantities	Sheet	1	2	1	2	0	\$0.00	0	\$0.00	1	\$30.82	1	\$27.00	0	\$0.00	\$57.82	2	\$28.91		
a. Existing Sign Inventory	LS	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
b. General Notes Sheet	Sheet	1	2	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
c. Summary of Pay Items	Sheet	1	2	1	2	0	\$0.00	0	\$0.00	1	\$30.82	1	\$27.00	0	\$0.00	\$57.82	2	\$28.91		
d. Boggy Creek Road	Sheet	5	2	5	10	1	\$65.83	2	\$91.00	2	\$61.64	5	\$135.00	0	\$0.00	\$353.47	10	\$35.35		
e. Wetherbee Road Extension	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
f.	Sheet				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		
g. Signing Cross Sections	EA				0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	#DIV/0!		

Project: Boggy Creek Road
 From: Airport South Access Road to Wetherbee Road Extension
 Date: December 20, 2016
 CIP #: _____
 Purchasing Contract #: _____
 Firm: Dewberry

FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks	
						\$65.63	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)					
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost					
Total				9	22	1	\$65.63	4	\$182.00	6	\$184.92	11	\$297.00	0	\$0.00	\$729.75	22	\$33.17		
3.4.25 Signalization Plans																				
a. Engineering Analysis	LS	1	0		0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
b. Summary of Quantities	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
c. General Notes Sheet	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
d. Plan Sheet - Wetherbee Road Extension	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
e. Guide Sign Worksheets	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
f.	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
g. Interconnect Plan Sheets	Sheet	0	0	0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
h. Special Details-Mast Arm Detail Sheet	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
i. Mast Arm Tabulation Sheet	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
j. Internally Illuminated Street Name Signs	EA	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
Total				7	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
3.4.26 Landscape Plans																				
a. General Notes Sheet	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
b. Planting Detail Sheet	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
c. Main Line Plan Sheets	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
d. Quantity Calculations	LS	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
Total				4	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	

Project: Boggy Creek Road
 From: Airport South Access Road to Wetherbee Road Extension
 Date: December 20, 2016
 CIP #: _____
 Purchasing: _____
 Contract #: _____
 Firm: Dewberry

FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech.		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks	
						\$85.83	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)					
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost					
3.4.2.1.1 Structure Plans																				
a. Index of Drawings	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
b. Standard Drawings	Sheet	4	0	4	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
Bridge No. 1																				
a. General Notes, Bid Item Notes & Surface Finish	Sheet	2	0	2	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
b. Report of Conc. Borings	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
c. General Plan & Elevation	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
d. Construction Staging	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
e. Approach Slab Plan & Details	Sheet	4	0	4	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
f. End Bent Plan & Elevation	Sheet	4	0	4	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
g. End Bent Details	Sheet	2	0	2	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
h. Slope Protection Details	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
i. Pier Plan & Elevation	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
j. Pier Details	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
k. Foundation Layout	Sheet	2	16	32	32	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
l. Finished Grade Elevations	Sheet	2	16	32	32	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
m. Superstructure Plan	Sheet	2	20	40	40	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
n. Superstructure Section	Sheet	2	8	16	16	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
o. Superstructure Details	Sheet	4	24	96	96	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
p. Prestressed Beam Schedules	Sheet	2	8	16	16	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
q. Expansion Joint Details, Sealing Devices	Sheet	1	16	16	16	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
r. Reinforcing Bar Lists	Sheet	2	8	16	16	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
s. Bridge Hydraulics Recommendation Sheet	Sheet	1	24	24	24	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
Total				36	288	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
3.4.2.1.4 Retaining Wall Plans																				
a. Control Drawing Key Sheet & General Notes	Sheet	1	0	1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
b. Retaining Wall 1	Sheet	1	12	12	12	0	\$0.00	2	\$91.00	4	\$123.28	6	\$162.00	0	\$0.00	\$376.28	12		\$31.36	
c. Retaining Wall 2	Sheet	1	12	12	12	0	\$0.00	2	\$91.00	4	\$123.28	6	\$162.00	0	\$0.00	\$376.28	12		\$31.36	
d. Retaining Wall 3	Sheet	1	0	0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
e. Retaining Wall 4	Sheet	1	0	0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
f. Retaining Wall 5	Sheet	1	0	0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
g. Retaining Wall Miscellaneous Details	Sheet	1	0	0	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0		#DIV/0!	
Total				4	24	0	\$0.00	4	\$182.00	8	\$246.56	12	\$324.00	0	\$0.00	\$752.56	24		\$31.36	

Project: Boggy Creek Road
 From: Airport South Access Road to Waltham Road Extension
 Date: December 20, 2016
 CIP #: _____
 Purchasing Contract #: _____
 Firm: Dewberry

FINAL DESIGN TASK LIST - EXHIBIT D - AMENDMENT 1

Activity: Final Design Sub-Activity: 3.0 Design and Plans Preparation

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	Project Manager		Senior Engineer		Engineer		CADD Tech.		Clerical		Total Salary Costs	Total Hours	Average Hourly Rate	Remarks	
						\$45.83	(Rate)	\$45.50	(Rate)	\$30.82	(Rate)	\$27.00	(Rate)	\$0.00	(Rate)					
						Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost					
3.4.27.b. Urban Temporary Work Plans																				
a. Urban Work General Notes	sheet	1		1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
b. Urban Referencing Work	sheet	1		1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
c. Urban Referencing Work	sheet	1		1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
d. Urban Referencing Work Miscellaneous Details	sheet	1		1	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
Total				3	0	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0	\$0.00	#DIV/0!	
SUBTOTAL 3				148	838	27	\$1,777.41	171	\$7,780.50	376	\$11,588.32	281	\$7,587.00	0	\$0.00	\$28,733.23	855	\$33.61		
Quality Control	5%-10%	set at 5%			42	11	\$724.13	17	\$773.50	14	\$431.48					\$1,929.11	42	\$45.93		
Supervision	5%-10%	set at 5%			42	11	\$724.13	17	\$773.50	14	\$431.48					\$1,929.11	42	\$45.93		
TOTAL 3					922	49	\$3,225.67	205	\$9,327.50	404	\$12,451.28	281	\$7,587.00	0	0	\$32,691.45	939	\$34.71		

Task 1 Salary Costs	\$32,591.45
a. Overhead Activities	
Admin. & General	199.00%
Fringe Benefits	
Subtotal (Salary & Overhead)	\$97,448.44
b. Operating Margin	
Subtotal (Salary Related Costs)	\$97,448.44
c. Direct Reimbursables (out of pocket)	
	\$0.00
Total Task 1 Cost	\$97,448.44

EXHIBIT "E"**COST BREAKDOWN****TOTAL COST OF THE BOGGY CREEK
ROAD PHASE II IMPROVEMENTS**

<u>PHASE I COSTS (COMPLETED 2012):</u>	\$2,328,016.00
<u>PHASE II COSTS:</u>	
<u>PHASE II (CROCKETT)</u>	
AMENDMENT TO ORIGINAL AGREEMENT	\$2,382,814.00
ADDITIONAL COSTS PER ORIGINAL AGREEMENT	\$67,186.00
<u>TOTAL PHASE II CROCKETT CASH CONTRIBUTION</u>	\$2,450,000.00
LESS DESIGN FEES (DEWBERRY, INC.) PAID TO DATE	\$854,582.55
<u>REMAINING CROCKETT CONTRIBUTION TO IMPROVEMENTS</u>	\$1,595,417.45
<u>PHASE II ORANGE COUNTY</u>	
ENGINEERS ESTIMATE FOR PHASE II	\$14,079,810.35
LESS REMAINING CROCKETT CONTRIBUTION	\$1,595,417.45
<u>PHASE II ORANGE COUNTY CASH CONTRIBUTION</u>	\$12,484,392.90

SCHEDULE OF FUNDING FOR CROCKETT CONTRIBUTION

- 1 Costs incurred by Crockett for the Road Widening Design. The current Contract between Dewberry, Inc. and Crockett is for \$757,134.11. Amendment # 1 dated 2/8/17 for \$97,448.44 is attached with Exhibit "D". Total Design cost is \$854,582.55.
- 2 Total payment in the amount of \$2,450,000.00 less amounts paid under item 1.
- 3 Cost overrun payments by Crockett

TRANSPORTATION IMPACT FEE ACCOUNT (CROCKETT):

Permitting Deposit (Phase I)	\$250,000.00
Dewberry Invoices (thru # 21)	\$471,397.47
Total Account Nov. 4, 2016	\$721,397.47

EXHIBIT "F"

UPDATED BUDGET

**Exhibit "D" to the Agreement is hereby supplemented to add the attached 3 pages
prepared by Dewberry Engineers Inc. dated August 2016**

Engineer's Opinion of Probable Cost (100% Submittal)
Boggy Creek Road
From South Access Road to Wetherbee Road
Prepared By Dewberry Engineers Inc., August 2016

Pay Item	Description	Unit	Quantity	Unit Cost	Total Cost
ROADWAY ITEMS					
101-1	Mobilization (10%)	LS	1	\$953,911.97	\$953,911.97
102-1	Maintenance of Traffic (15%) (730 Days)	LS	1	\$1,430,867.95	\$1,430,867.95
104-14	Prevention, Control, And Abatement of Erosion and Water Pollution (5%)	LS	1	\$476,955.98	\$476,955.98
110-1-1	Clearing and Grubbing (LS/AC)	AC	32	\$10,804.10	\$343,786.46
120-4	Subsoil Excavation (A-8/Unsuitable Material)	CY	1000	\$6.16	\$6,160.00
120-9	Excavation, Embankment, and Grading (LS/CY) (Excavation)	CY	83983	\$4.32	\$362,806.56
	Excavation, Embankment, and Grading (LS/CY) (Embankment)	CY	55454	\$10.29	\$570,621.66
160-4	Type B Stabilization (12") (Minimum LBR 40)	SY	68940	\$3.30	\$227,502.00
270-08	Soil Cement Base (300 PSI - Primed) (8")	SY	1102	\$14.00	\$15,428.00
270-12	Soil Cement Base (300 PSI - Primed) (12")	SY	56726	\$16.00	\$907,616.00
286-1	Turnout Construction	SY	147	\$28.65	\$4,211.55
327-70-6	Milling Existing Asphalt Pavement (1 5" Avg. Depth)	SY	4497	\$1.98	\$8,904.06
334-1-13	Superpave Asphalt Concrete (SP 12.5) (Traffic C - Inc. Tack Coat) (3")	TN	9048	\$89.98	\$814,178.18
337-7-43	Asphaltic Conc. Friction Course (FC 12.5) (Traffic C) (1.5")	TN	4944	\$103.24	\$510,407.72
337-7-43A	Asphaltic Conc. Friction Course (FC 12.5) (Traffic C) (Overbuild)	TN	3.2	\$103.24	\$330.37
400-2-1	Concrete Class II (Culverts)	CY	134	\$1,347.61	\$180,579.74
400-2-8	Concrete Class II (Bulkhead)	CY	156	\$1,030.00	\$160,680.00
400-4-1	Concrete Box Culvert (Inc. Reinforcing Steel)	LS	1	\$135,000.00	\$135,000.00
415-1-1	Reinforcing Steel (Roadway)	LB	27097	\$1.08	\$29,264.76
415-1-8	Reinforcing Steel (Bulkhead)	LB	15535	\$1.31	\$20,350.85
425-1-311	Inlets (Curb Type P-1) (<10')	EA	32	\$4,765.63	\$152,500.16
425-1-315	Inlets (Curb Type P-1) (Partial)	EA	1	\$5,423.11	\$5,423.11
425-1-321	Inlets (Curb Type P-2) (<10')	EA	12	\$5,005.86	\$60,070.32
425-1-411	Inlets (Curb Type J-1) (<10')	EA	8	\$7,556.45	\$60,451.60
425-1-421	Inlets (Curb Type J-2) (<10')	EA	3	\$6,414.83	\$19,244.49
425-1-521	Inlets (Ditch Bottom Type C) (<10')	EA	4	\$3,049.86	\$12,199.44
425-1-523	Inlets (Ditch Bottom Type C) (J Bottom <10')	EA	1	\$5,980.27	\$5,980.27
425-1-583	Inlets (Ditch Bottom Type H) (J Bottom <10')	EA	2	\$4,682.69	\$9,365.38
425-2-61	Manholes (P-8) (<10')	EA	3	\$4,078.95	\$12,236.85
425-2-91	Manholes (J-8) (<10')	EA	2	\$6,017.86	\$12,035.72
425-2-92	Manholes (J-8) (>10')	EA	3	\$9,156.68	\$27,470.04
430-175-118	Pipe Culvert (S/CD) (Round) (18") (RCP - Class III)	LF	3699	\$57.57	\$212,951.43
430-175-124	Pipe Culvert (S/CD) (Round) (24") (RCP - Class III)	LF	1581	\$68.39	\$108,124.59
430-175-130	Pipe Culvert (S/CD) (Round) (30") (RCP - Class III)	LF	675	\$85.82	\$57,928.50
430-175-136	Pipe Culvert (S/CD) (Round) (36") (RCP - Class III)	LF	2635	\$110.44	\$291,009.40
430-175-142	Pipe Culvert (S/CD) (Round) (42") (RCP - Class III)	LF	796	\$146.41	\$116,542.36
430-175-160	Pipe Culvert (S/CD) (Round) (60") (RCP - Class III)	LF	74	\$297.82	\$22,038.68
430-175-218	Pipe Culvert (S/CD) (Other - Elip/Arch) (18") (RCP Class III)	LF	174	\$75.66	\$13,164.84
430-175-224	Pipe Culvert (S/CD) (Other - Elip/Arch) (24") (RCP Class III)	LF	85	\$100.80	\$8,568.00
430-982-142	Mitered End Section (CD) (Round) (42")	EA	2	\$5,239.25	\$10,478.50
430-982-160	Mitered End Section (CD) (Round) (60")	EA	1	\$25,818.41	\$25,818.41
515-2-11	Handrail (Galvanized Steel)	LF	3122	\$35.00	\$109,270.00
520-1-7	Concrete Curb and Gutter (Type E)	LF	12558	\$14.48	\$181,839.84
520-1-10	Concrete Curb and Gutter (Type F)	LF	12561	\$18.12	\$227,605.32
520-5-16	Concrete Traffic Separator (Type I) (8 5')	LF	7	\$39.08	\$273.56
521-72-5	Shoulder Concrete Barrier Wall (Rigid - Curb and Gutter)	LF	1830	\$279.72	\$511,887.60
522-1	Concrete Sidewalk (4" Thick)	SY	7993	\$36.51	\$291,824.43
522-2	Concrete Sidewalk and Driveways (6" Thick)	SY	340	\$45.52	\$15,476.80
524-1-1	Concrete Ditch Pavement (Non-Reinforced) (3")	SY	31	\$48.22	\$1,494.82
524-1-4	Concrete Ditch Pavement (Non-Reinforced) (6")	SY	52	\$66.27	\$3,446.04
527-2	Detectable Warnings	SF	146	\$27.56	\$4,023.76
536-73	Guardrail Removal	LF	1050	\$1.66	\$1,743.00
550-10-220	Fencing (Type B) (6') (Standard)	LF	8727	\$10.77	\$93,989.79
550-60-212	Fence Gate (Type B) (Single) (12')	EA	5	\$1,281.63	\$6,408.15
570-1-2	Performance Turf, Sod	SY	58306	\$2.37	\$138,185.22
ROADWAY SUB TOTAL					\$9,990,634.24

Engineer's Opinion of Probable Cost (100% Submittal)					
Pay Item	Description	Unit	Quantity	Unit Cost	Total Cost
STRUCTURES ITEMS					
400-1	Bridge	LS	1	\$692,261.44	
110-3	Removal of Existing Structure	SF	4590	\$18.05	\$82,849.50
400-2-4	Concrete Class II (Superstructure)	CY	225	\$595.03	\$133,881.75
400-4-5	Concrete Class II (Substructure)	CY	125	\$1,123.91	\$140,488.75
400-9	Bridge Deck Grooving and Planing (Deck Thickness 8.5" or Greater)	SY	781	\$6.31	\$4,928.11
400-145	Cleaning Concrete Surface	SF	8931	\$1.25	\$11,163.75
400-147	Composite Neoprene Pads	CF	6	\$884.19	\$5,305.14
415-1-4	Reinforcing Steel (Superstructure)	LB	57000	\$0.74	\$42,180.00
415-1-5	Reinforcing Steel (Substructure)	LB	18200	\$0.89	\$16,198.00
450-1-2	Prestressed Beams (Type III)	LF	889	\$220.00	\$195,580.00
458-1-11	Bridge Deck Expansion Joint (New Construction - F&I) (Poured Joint)	LF	84	\$46.21	\$3,881.64
460-70-3	Aluminum Bullet Railings - Bridge (32" F-Shape)	LF	240	\$24.70	\$5,928.00
521-5-1	Concrete Traffic Railings - Bridge (32" F-Shape)	LF	480	\$73.91	\$35,478.80
521-6-1	Concrete Parapet (Pedestrian/Bicycle)	LF	240	\$60.00	\$14,400.00
400-2-10	Concrete Class II (Approach Slab)	CY	94	\$440.27	\$41,385.38
455-34-3	Prestressed Concrete Piling - (F&I) (18" Square)	LF	2420	\$200.00	\$484,000.00
455-133-3	Sheet Piling Steel (F&I) (Permanent)	SF	21386	\$34.45	\$736,747.70
455-143-3	Test Piles - Prestressed Concrete (18" Square)	LF	500	\$230.00	\$115,000.00
530-3-3	Riprap - Rubble (Bank and Shore)	TN	724	\$69.61	\$50,397.64
STRUCTURES SUB TOTAL					\$2,119,792.16
SIGNALIZATION ITEMS					
603-1	Signalization - Wetherbee Road	LS	1	\$202,157.20	
630-2-11	Conduit (F&I) Open Trench	LF	185	\$7.89	\$1,459.65
630-2-12	Conduit (F&I) Directional Bore	LF	260	\$15.09	\$3,923.40
632-7-1	Signal Cable - New Or Reconstructed Intersection (F&I)	PI	1	\$5,316.01	\$5,316.01
635-2-12	Pull and Splice Box (F&I) Special Cover Size	EA	10	\$1,222.68	\$12,226.80
646-1-11	Aluminum Signals Pole (Pedestal)	EA	4	\$1,058.04	\$4,232.16
646-2-12	Aluminum Signals Pole (Pedestrian Detector Post)	EA	2	\$711.15	\$1,422.30
649-31-203	Mast Arm (F&I) Single Arm, W/O Luminaire (60')	EA	2	\$30,993.46	\$61,986.92
649-31-205	Mast Arm (F&I) Single Arm, W/O Luminaire (78')	EA	1	\$33,269.94	\$33,269.94
649-36-500	Mast Arm (Remove Deep/Complete Foundation) (Bolt On Attachment)	EA	3	\$4,655.97	\$13,967.91
650-1-311	Traffic Signal (F&I) (3 Section, 1-Way) (Aluminum)	AS	6	\$1,012.97	\$6,077.82
650-1-411	Traffic Signal (F&I) (4 Section, 1-Way) (Aluminum)	AS	2	\$1,248.96	\$2,497.92
653-1-60	Pedestrian Signal (Remove Ped Signal) (Pole/Pedestal To Remain)	EA	8	\$95.71	\$765.68
653-191	Pedestrian Signal (F&I) (LED Countdown) (1 Direction)	AS	6	\$679.81	\$4,078.86
660-4-10	Vehicle Dection System - Video (F&I) (Complete System)	EA	1	\$20,000.00	\$20,000.00
663-1-10	Signal Priority/Preemption System (F&I) (Optical) (Complete System)	EA	1	\$7,114.75	\$7,114.75
665-1-11	Pedestrian Detector (F&I) Standard	EA	6	\$226.99	\$1,361.94
670-5-410	Traffic Controller Assembly (Modify)	AS	1	\$1,500.00	\$1,500.00
700-5-12	Internally Illuminated Sign	EA	3	\$3,239.42	\$9,718.26
	Removal of Existing Signal Equipment (Misc.) (10%)	PI	1	\$11,236.88	\$11,236.88
SIGNALIZATION SUB TOTAL					\$202,157.20
SIGNING AND PAVEMENT MARKING ITEMS					
700-1-11	Single Post Sign (F&I) (<12 SF)	AS	23	\$316.92	\$7,289.16
700-1-12	Single Post Sign (F&I) (12-20 SF)	AS	12	\$980.01	\$11,760.12
700-1-60	Single Post Sign (Remove)	AS	21	\$17.49	\$367.29
700-2-13	Multi-Post Sign (F&I) (21-30 SF)	AS	1	\$3,562.07	\$3,562.07
700-2-14	Multi-Post Sign (F&I) (31-50 SF)	AS	1	\$4,420.82	\$4,420.82
700-2-60	Multi-Post Sign (Remove)	AS	3	\$473.46	\$1,420.38
705-10-1	Object Marker (Type I)	EA	21	\$127.17	\$2,670.57
705-11-3	Delineator (Flexible High Visibility Median)	EA	2	\$183.81	\$367.62
706-3	Retro-Reflective Pavement Markers	EA	564	\$3.40	\$1,917.60
710-90	Painted Pavement Markings (Final Surface)	LS	1	\$10,899.27	\$10,899.27
710-11-290	Painted Pavement Markings (Standard) (Yellow) (Island Nose)	SF	225	\$1.72	\$387.00
711-11-123	Thermoplastic (Standard) (White) (Solid) (12")	LF	1002	\$2.24	\$2,244.48
711-11-124	Thermoplastic (Standard) (White) (Solid) (18")	LF	1128	\$2.92	\$3,293.76
711-11-125	Thermoplastic (Standard) (White) (Solid) (24")	LF	107	\$4.11	\$439.77
711-11-141	Thermoplastic (Standard) (White) (D/G/E) (6")	LF	350	\$0.30	\$105.00
711-11-160	Thermoplastic (Standard) (White) (Message)	EA	17	\$119.20	\$2,026.40

711-11-170	Thermoplastic (Standard) (White) (Arrows)	EA	41	\$58.18	\$2,385.38
711-11-224	Thermoplastic (Standard) (Yellow) (Solid) (18")	LF	496	\$3.09	\$1,532.64
711-11-241	Thermoplastic (Standard) (Yellow) (D/G/E) (6")	LF	404	\$0.37	\$149.48
711-16-101	Thermoplastic (Standard - Other Surfaces) (White) (Solid) (6")	NM	3,357	\$3,902.73	\$13,101.46
711-16-102	Thermoplastic (Standard - Other Surfaces) (White) (Solid) (8")	LF	1243	\$0.93	\$1,155.99
711-16-131	Thermoplastic (Standard - Other Surfaces) (White) (Skip) (6")	GM	2,780	\$1,386.19	\$3,853.61
711-16-201	Thermoplastic (Standard - Other Surfaces) (Yellow) (Solid) (6")	NM	3,354	\$3,852.75	\$12,922.12
SIGNING AND PAVEMENT MARKING SUB TOTAL					\$88,272.00
OTHER ITEMS					
900-1	As-Built Plans	LS	1	\$50,000.00	\$50,000.00
900-2	Indemnification	LS	1	\$50,000.00	\$50,000.00
900-3	Groundwater Treatment and Disposal (5%)	LS	1	\$625,042.78	\$625,042.78
OTHER ITEMS SUB TOTAL					\$725,042.78
	Contingency (10%)	LS	1	\$953,911.97	\$953,911.97
TOTAL					\$14,079,810.35