

## CONSULTING SERVICE AGREEMENT

#18-73

### AMENDMENT #6

This AMENDMENT is made and entered into, effective as of the date last executed, by and between, Polk County (the “County”), a political subdivision of the State of Florida, situated at 330 W. Church Street, Bartow, Florida 33830, and Dewberry Engineers, Inc. (the “Consultant”), a New York corporation, located at 800 N. Magnolia Ave., Suite 1000, Orlando, Florida 32803, whose Federal Employer Identification number is 13-0746510.

#### WITNESSETH:

WHEREAS, the County and Consultant entered into Consulting Service Agreement 18-73 dated December 26, 2018 (the “Agreement”), for the purpose of providing professional services in connection with the CR 557 Widening Project including developing and evaluating alternative roadway design and alignment, recommending a preferred alignment, and preparing preliminary roadway plans for widening of CR 557; and

WHEREAS, the Agreement was amended via Amendment #1 on September 1, 2020, to engage the Consultant to provide continuing professional services associated with the CR 557 widening project including permitting, final design, bidding support, and community awareness services from W. Alfred Street to south of Interstate 4; and

WHEREAS, on September 1, 2020, the County and the City of Lake Alfred entered into a Joint Project Agreement (JPA) for a proposed water main within the scope of the JPA, and as a result, the County and the Consultant included additional services and compensation to the Agreement in the amount of \$1,100,893.47, bringing the total not-to-exceed amount of the Agreement to \$4,141,876.00; and

WHEREAS, the Agreement was amended via Amendment #2 on December 6, 2022, to engage the Consultant to develop and evaluate alternative roadway design and alignments, provide a recommendation, and prepare preliminary and final plans for improvements to the CR 557 and US 92 intersection in Lake Alfred. The cost of the additional design services for Amendment #2 was a not-to-exceed fee of \$693,396.38. The total agreement amount increased to \$4,835,272.38; and

WHEREAS, the Agreement was amended via Amendment #3 on August 22, 2023, to engage the Consultant to design a surcharge program required to stabilize the soils for roadway construction; lighting plans for the entire length of the project and a stand-alone set of plans for construction of the Old Lake Alfred Road roundabout to facilitate advanced construction of the intersection. The cost of the additional design services for Amendment #3 was a not-to-exceed fee of \$429,107.94. The total agreement amount increased to \$5,264,380.32; and

WHEREAS, the Agreement was amended via Amendment #4 on May 21, 2024, to split the remainder of the project design into two segments to facilitate phased construction of the project. The first segment extends from W. Alfred Street to the southern limits of the Old Lake Alfred Road Roundabout. The second segment extends from the northern limits of the Old Lake Alfred Road Roundabout to south of Interstate 4, and includes final design, permit coordination and bidding phase services. The cost of the additional design services for Amendment #4 was a not-to-exceed amount of \$107,261.84. The total agreement amount increased to \$5,371,642.16; and

WHEREAS, the Agreement was amended via Amendment #5 on June 3, 2025, to combine the plans into one plan set and bid package to facilitate construction, and included maintenance of traffic redesign,

quantity adjustments and utility coordination; and

WHEREAS, due to development in the area, the County has requested that the existing plans be redesigned to remove a roundabout and to include a signalized intersection. Additionally, a right turn lane and driveway will need to be added to the plans and will include signal and structural design, plan changes, geotechnical investigations, quantity adjustments, and utility coordination; and

WHEREAS, pursuant to Section 16.0 of the Agreement, the County and the Consultant mutually agree to amend the Agreement as set forth below.

NOW, THEREFORE, the County and the Consultant, hereby agree as follows:

1. The recitals stated above are true and correct and are fully incorporated herein.
2. The Agreement is hereby amended to modify Exhibit "A-iii" Scope of Services and Compensation of the Agreement to include the additional services needed, which are more fully set forth and described in Attachment "A" of this Amendment, attached hereto and fully incorporated herein.
3. The Agreement will remain in effect through the completion of construction.
4. The cost of the additional design services, which is more fully set forth and described in Attachment "A" to this Amendment #6, shall be a not-to-exceed amount of \$147,223.04. Accordingly, the total agreement amount shall be increased from the prior not-to-exceed amount of \$5,540,784.17 to the new not-to-exceed amount of \$5,688,007.21.
5. The Agreement, as amended by this Amendment #6, continues in full force and effect.

**THE REMAINDER OF PAGE LEFT INTENTIONALLY BLANK**

IN WITNESS WHEREOF, the parties hereto have executed this Amendment #6 as of the Effective Date.

**ATTEST:**

STACY M. BUTTERFIELD  
CLERK OF THE BOARD

**Polk County**, a political subdivision  
of the State of Florida

By: \_\_\_\_\_  
Deputy Clerk


By: \_\_\_\_\_  
T.R. Wilson, Chairman  
Board of County Commissioners

Date Signed By County \_\_\_\_\_

Reviewed as to form and legal sufficiency:

Joah n. law 8/11/2025  
County Attorney's Office Date

Dewberry Engineers, Inc.  
a New York corporation

By:   
Kevin Knudsen  
PRINT NAME  
Vice President  
TITLE

Date: 8/19/25

ACKNOWLEDGEMENT OF FIRM IF A LIMITED LIABILITY COMPANY

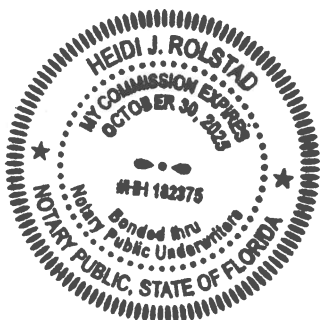
STATE OF \_\_\_\_\_ County OF \_\_\_\_\_  
The foregoing instruments was acknowledged before me by means of ☐ physical presence or ☐ online notarization this \_\_\_\_\_ (Date) by \_\_\_\_\_ (Name of officer or agent) as \_\_\_\_\_ (title of officer or agent) of the Company on behalf of the Company, pursuant to the powers conferred upon him/her by the Company. He/she personally appeared before me at the time of notarization, and ☐ is personally known to me or ☐ has produced \_\_\_\_\_ as identification and did certify to have knowledge of the matters stated in the foregoing instrument and certified the same to be true in all respects. Subscribed and sworn to (or affirmed) before me this \_\_\_\_\_ (Date) .  
\_\_\_\_\_  
(Official Notary Signature and Notary Seal)  
\_\_\_\_\_  
(Name of Notary typed, printed or stamped)  
Commission Number \_\_\_\_\_ Commission Expiration Date \_\_\_\_\_

ACKNOWLEDGEMENT OF FIRM, IF A CORPORATION

STATE OF FLORIDA County OF Orange  
The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization this August 19, 2025 (Date) by Kevin Knudsen (Name of officer or agent) as Vice President (title of officer or agent) of the Corporation on behalf of the Corporation, pursuant to the powers conferred upon him/her by the Corporation. He/she personally appeared before me at the time of notarization, and ☒ is personally known to me or ☐ has produced \_\_\_\_\_ as identification and did certify to have knowledge of the matters stated in the foregoing instrument and certified the same to be true in all respects. Subscribed and sworn to (or affirmed) before me this August 19, 2025 (Date) .  
Heidi J Rolstad  
(Official Notary Signature and Notary Seal)  
HEIDI J ROLSTAD  
(Name of Notary typed, printed or stamped)  
Commission Number 182375 Commission Expiration Date 10/30/2025

ACKNOWLEDGEMENT OF FIRM, IF AN INDIVIDUAL

STATE OF \_\_\_\_\_ County OF \_\_\_\_\_  
The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization this \_\_\_\_\_ (Date) By \_\_\_\_\_  
(Name of acknowledging) who personally appeared before me at the time of notarization, and ☐ is personally known to me or ☐ has produced \_\_\_\_\_ as identification and did certify to have knowledge of the matters in the foregoing instrument and certified the same to be true in all respects. Subscribed and sworn to (or affirmed) before me this \_\_\_\_\_ (Date) .  
\_\_\_\_\_  
(Official Notary Signature and Notary Seal)  
\_\_\_\_\_  
(Name of Notary typed, printed or stamped)  
Commission Number \_\_\_\_\_ Commission Expiration Date \_\_\_\_\_



### Affidavit Regarding the Use of Coercion for Labor or Services

In compliance with Section 787.06(13), Florida Statutes, this attestation must be completed by an officer or representative of a nongovernmental entity that is executing, renewing, or extending a contract with Polk County, a political subdivision of the State of Florida.

The undersigned, on behalf of the entity listed below (the "Nongovernmental Entity"), hereby attests under penalty of perjury as follows:

1. I am over the age of 18 and I have personal knowledge of the matters set forth herein.
2. I currently serve as an officer or representative of the Nongovernmental Entity.
3. The Nongovernmental Entity does **not** use coercion for labor or services, as those underlined terms are defined in Section 787.06, Florida Statutes.
4. This declaration is made pursuant to Section 92.525, Fla. Stat. and Section 787.06, Fla. Stat. I understand that making a false statement in this declaration may subject me to criminal penalties.

Under penalties of perjury, I Kevin Knudsen, Vice President (Signatory Name and Title), declare that I have read the foregoing Affidavit Regarding the Use of Coercion for Labor and Services and that the facts stated in it are true.

Further Affiant sayeth naught.

Dewberry Engineers Inc.  
NONGOVERNMENTAL ENTITY

  
SIGNATURE

Kevin Knudsen  
PRINT NAME

Vice President  
TITLE

8/19/25  
DATE

Attachment A

**SCOPE OF SERVICES**

**FOR**

**CR 557 (BUENA VISTA DRIVE) WIDENING  
FROM W. ALFRED STREET TO SOUTH OF INTERSTATE 4**

**AMENDMENT #6**

**POLK COUNTY**

Prepared by:

Dewberry Engineers Inc.

July 14, 2025

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AMENDMENT #6  
SCOPE OF SERVICES  
FOR  
CR 557 WIDENING PROJECT  
POLK COUNTY

**I. DESCRIPTION**

Dewberry Engineers Inc. (CONSULTANT) will provide professional services to Polk County Roads and Drainage Division (COUNTY) to finalize Contract Documents for the construction of CR 557 from W. Alfred Street to South of Interstate 4 (length approximately 5.8 miles).

**II. PURPOSE**

This scope of services is for the purpose of defining additional services for the project that were not contemplated or included in the original project, including:

The County has requested that the design of the CR 557 and Old Lake Alfred Road Roundabout be revised from a roundabout to a signalized intersection. In addition, coordination with the developer of the proposed commercial development in the northwest corner of the intersection will be required to add driveways and right turn lanes and harmonize the roadway design with the proposed site design. The major work efforts will include signal and structural design, revising the roadway geometry, revising the drainage design, permit modifications, updating the signing and pavement marking plans, lighting revisions, modifying the maintenance of traffic and updating quantities.

**III. OBJECTIVES**

The CONSULTANT shall prepare Contract Documents for construction of the project. Elements of work shall include Survey, Right-of-Way Mapping, Roadway and Drainage Plans, Traffic Control Plans, Signing and Pavement Marking Plans, Signalization Plans, Utility Adjustment Plans, Geotechnical Investigations, Special Provisions, Environmental Permits, Construction Quantity Estimates, Construction Cost Estimates, and Community Awareness Services.

**IV. SERVICES**

**A. Survey (by COUNTY)**

**1. General**

The COUNTY will provide the required design survey information.

**B. Right-of-Way Maps (by COUNTY)**

**1. Right-of-Way Maps**

The COUNTY shall be responsible for the preparation of preliminary and final Right-of-Way Maps.



**2. Legal Descriptions**

Legal land descriptions and parcel sketches shall be prepared by the COUNTY.

**C. Design Traffic Analysis**

The CONSULTANT will use the CR 557 traffic analysis. No new analysis is required.

**D. Roadway Design**

The construction plans and documents shall be revised to accommodate the proposed signalized intersection at Old Lake Alfred Road.

**1. Typical Section**

The typical section shall be in general accordance with the typical sections defined in the current CR 557 plans.

**2. Pavement Design**

The CONSULTANT shall use the proposed asphaltic concrete pavement design in the current CR 557 plans.

The CONSULTANT will use the traffic analysis from the Alignment Study. No new analysis is required.

**3. Preliminary Design Report**

The CONSULTANT will utilize the design criteria from the CR 557 Preliminary Design Report.

**4. Traffic Control Plans**

- a. The CONSULTANT will prepare Traffic Control Plans that present a logical sequencing of roadway construction activity. The Traffic Control Plans shall include diagrams, typical sections and a narrative of the sequencing of general work activities.
- b. Traffic Control Plans shall be prepared at a scale suitable to illustrate the necessary details.
- c. Traffic Control Plans shall be included in the Final plans submittal.
- d. An estimate of the quantities for traffic control devices and quantities for temporary construction items shall be included in the Summary of Quantity sheets for the Final plans submittal.

**5. Plan Scale**

Plan sheets shall be prepared at a scale of 1" = 50' horizontal on 11" x 17" sheets. Profile sheets shall be prepared at a scale of 1" = 50' horizontal on 11" x 17" sheets. Cross section scales shall be selected as appropriate.

**6. Design Criteria**

CONSULTANT shall utilize the prepare the design, construction plans, and specifications in accordance with the latest editions of the following: Design Manual, FDOT; A Policy on Geometric Design of Highways and Streets, AASHTO; Manual of Uniform Traffic Control Devices for Streets and Highways, USDOT/FHWA; State of Florida Manual on Traffic Control and Safe Practices for Street and Highway Construction, Maintenance and Utility Operations on the State Maintained Systems, FDOT; and Standard Plans for Road and Bridge Construction, FDOT.

The design plans and specifications shall be prepared in English design units.

**7. Estimated Quantities and Cost Estimate**

Estimated construction quantities for the signalized intersection will be calculated and included in Summary of Quantity sheets to be included with the Final plans submittal. An estimate of probable construction cost will be prepared and included with the Final plans submittal.

**8. Estimated Construction Duration**

The CONSULTANT shall prepare an estimate of the expected construction duration. This estimate shall be included with the Final plans submittal.

**E. Drainage**

**1. General**

Drainage design and associated plans will be prepared for the management of runoff generated within the road right-of-way, or as necessary to cross the right-of-way. Critical design high water elevations for the permitting and design will be determined using best available information from FEMA, Polk County, Florida Department of Transportation, Florida Department of Environmental Protection and the Southwest Florida Water Management District (SWFWMD). It is intended to maintain existing drainage patterns and outfalls as much as possible.

**2. Drainage Criteria**

The drainage criteria shall be prepared in accordance with the latest editions of the FDOT Drainage Manual, Drainage Design Guide, and regulating water management agency. The criteria will be presented in a table format and will include the following items:

**a. Hydrology**

- (1) Design return periods for cross culverts, stormwater management facilities, and open and closed conveyance systems.

- (2) Methodology shall be outlined for determining off-site watersheds, on-site watersheds, rainfall distributions, hydrography generation, antecedent moisture conditions, intensity-duration-frequency curves, time of concentration and soil classifications.

**b. Hydraulics**

Criteria shall outline pipe flow equations, coefficients for pipes, weirs and orifice formulas, minimum pipe sizes, drainage tabulation sheets, inlet types, minimum storm sewer velocities, allowable spread, storm sewer tailwater control, storm sewer materials, and storm sewer system design programs.

**c. Permits**

Criteria shall outline level of treatment and attenuation required by the Governing Agencies.

**d. Drainage Basins**

Determine whether drainage basins within the project limits are assumed to be open or closed.

**3. Pond Location Analysis**

The pond location analysis shall consist of utilizing the ponds identified in the current CR 557 plans.

**4. Preliminary Drainage Design**

The preliminary drainage analysis shall update and revise the existing analysis to accommodate the signalized intersection design and addition of turn lanes.

**5. Final Drainage Design**

The Final Drainage Design Notebook shall be updated and revised to accommodate the signalized intersection design and additional turn lanes.

**F. Environmental Permitting**

The CONSULTANT shall coordinate with the County and permitting agencies to coordinate construction of the project.

**G. Retaining Walls**

The CONSULTANT shall utilize the existing CR 5557 retaining wall design and plans. The CONSULTANT shall provide Design Documentation to the COUNTY consisting of structural design calculations and other supporting documentation developed during the development of the plans. The design calculations submitted shall adequately address the complete design of all structural elements. A cover sheet indexing the contents of the calculations shall be included, and the engineer shall sign and seal that sheet. All computer programs and parameters used in the design calculations shall include sufficient backup information to facilitate the review task.

**H. Signing and Pavement Marking Plans**

The CONSULTANT shall modify the current Signing and Pavement Marking Plans for the signalized intersection and right turn lanes. The design of the signing and pavement markings shall be in accordance with the latest design standards and practices as detailed in the Manual on Uniform Traffic Control Devices (MUTCD), FDOT Standard Specifications and Design Standards, and FDOT Design Manual.

**I. Signalization Plans**

The CONSULTANT shall prepare a complete set of signalization plans for the Old Lake Alfred Road intersection with CR 557. The design of the signal shall be in accordance with the latest design standards and practices as detailed in the Manual on Uniform Traffic Control Devices (MUTCD), FDOT Standard Specifications and Design Standards, and FDOT Design Manual.

**J. Lighting Analysis and Plans**

CONSULTANT shall modify the current lighting design and plans to accommodate the signalization of the Old Lake Alfred Road intersection. The CONSULTANT shall be responsible for updating the Lighting Design Analysis Report (LDAR), if needed. The report shall provide analyses for each typical section of the roadway within the entire limits of the project. The report shall also include the analysis for all roundabouts/signalized intersections as described in latest design criteria. CONSULTANT shall coordinate with the Maintaining Agency for the lighting requirements at the roundabouts/signalized intersections. The report shall also include electrical load analysis and voltage drop calculations for each lighting circuits.

**K. Utility Services**

**1. Utility Adjustment Plans**

The CONSULTANT shall modify the Utility Adjustment Plans, utilizing the roadway base mapping and input from the involved utility companies.

Work shall be in accordance with the FDOT's Utility Manual, Standard Specifications, FDOT Utility Accommodation Manual 1993, current memorandums, FDOT Design Manual, and instructions as issued by the COUNTY to the CONSULTANT.

**2. Utility Coordination**

The CONSULTANT shall coordinate with affected utility owners to revise the previously received red/green/brown markups and Utility Work Schedules for the signalized intersection. Plans shall be provided to each utility having facilities within the project area for verification and supplementing of any existing utilities as shown on the plans. It is anticipated the actual design for the relocation of utilities shall be done by the utility owners.

**L. Geotechnical Investigation**

The CONSULTANT shall perform four 30-foot SPT borings and associated laboratory testing at the CR 557/Old Lake Alfred Road intersection for the mast arm signal foundations.

**M. Specifications**

The CONSULTANT shall prepare Technical Special Provisions as required by the design which shall include Specifications covering any special construction methods that may be required. The COUNTY shall furnish a sample specification as a guide in preparing the special provisions. These Special Provisions shall be prepared in the complimentary format as the FDOT Standard Specifications.

**N. Public Involvement (N/A)**

**O. Assistance with Right of Way Acquisition**

The CONSULTANT will assist the COUNTY during the Right of Way acquisition process which will include minor plans updates such as driveway adjustments or pond modifications. Pond modifications that would require a permit modification are not included in this task.

**P. Bidding Phase Services**

The CONSULTANT will assist the COUNTY with the preparation of all necessary bid documents as detailed above. This includes Signed and Sealed Construction Plans, Technical Specifications Package, Special Conditions, Copies of All Permits, Bid Tab Sheets, Final Engineer's Estimate, and a Construction Time Estimate.

The CONSULTANT will attend and participate in the Pre-Bid conference. Minutes of meeting will be prepared by the COUNTY.

The CONSULTANT will assist with bid addenda responses to questions and concerns that are submitted through the COUNTY'S Procurement Office during the bidding process.

Attend Bid Opening Meeting. Assist COUNTY in review of Contractors bids and documents as well as aid with the preparation of a bid recommendation. Minutes of meeting will be prepared by the COUNTY.

**Q. Post-design Services**

At the COUNTY'S option, the CONSULTANT may be requested to provide additional Post Design Services. The COUNTY will supplement the contract fees by change order to provide for Post Design Services.

**V. QUALITY CONTROL**

**A. Quality Assurance Reviews**

The CONSULTANT shall conduct quality assurance reviews of the work products called for in this Scope of Services to ensure they are in compliance with the requirements cited in the Scope of Services. Reviews shall be conducted to evaluate the adequacy of materials, documentation, processes and procedures included in the execution of this contract.

**B. Quality Assurance Records**

The CONSULTANT shall maintain adequate records for the quality assurance actions performed by his organization (including subcontractors and vendors), in providing services and products under this contract.

**VI. PROJECT SCHEDULE**

The CONSULTANT shall complete design services within the current contractual limits.

## ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project:	CR 557 (Buena Vista Drive) Widening-Amend 6
County:	Polk
FPN:	T.B.D.
FAP No.:	N/A

Consultant Name: Dewberry Engineers Inc.  
Consultant No.: 50110728  
Date: 7/14/2025

[illegible]

Survey Field Days by Subconsultant	
4 - Person Crew:	88

Notes:

1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.
2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

SALARY RELATED COSTS:								
OVERHEAD:								
OPERATING MARGIN:								
FCCM (Facilities Capital Cost Money):								
SUBTOTAL SALARY RELATED COSTS:								
EXPENSES:								
Survey (Polk County)	0			4-person crew days @		\$ 1,888.56	/ day	\$0.00
SUE Survey (Field - if by Prime)	0			4-person crew days @		\$ 1,888.56	/ day	\$0.00
SUBTOTAL ESTIMATED FEE:								\$129,067.24
Subconsultant: ACI								\$0.00
Subconsultant: Madrid Geotechnical								\$13,240.30
Subconsultant: Omni								\$5,915.50
Subconsultant: RK&K	Included with Prime							\$0.00
Subconsultant: Madrid Contamination								\$0.00
SUBTOTAL ESTIMATED FEE:								\$147,223.04
Geotechnical Field and Lab Testing								\$0.00
SUBTOTAL ESTIMATED FEE:								\$147,223.04
City of Lake Alfred Utility Design								\$0.00
GRAND TOTAL ESTIMATED FEE:								\$147,223.04

Survey:		
Survey (Polk County) =		\$0.00
SUE (Field and Office)=		\$0.00
P/W Mapping (Polk County) =		\$0.00
<b>TOTAL=</b>		<b>\$0.00</b>

**Project Activity 4: Roadway Analysis**

Estimator: Ray Lee

CR 557 (Buena Vista Drive) Widening-Amend 6  
T.B.D.

Representing	Print Name	Signature / Date
Polk County		
Dewberry		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	0	0	
4.2	Pavement Type Selection Report	LS	1	0	0	
4.3	Pavement Design Package	LS	1	0	0	
4.4	Cross-Slope Correction	LS	1	0	0	
4.5	Horizontal/Vertical Master Design Files	LS	1	60	60	Revise roadway & intersection horiz & vert geometry (Sta 1260 to 1276) = (120 hours x 0.30 miles) + (24 hrs/mt for 1 intersection)
4.6	Access Management	LS	1	0	0	
4.7	Roundabout Evaluation	LS	1	0	0	
4.8	Roundabout Final Design Analysis	LS	1	0	0	
4.9	Cross Section Design Files	LS	1	12	12	Revise X-Sections (0.30 miles x 40 hours/mt) (Credit for Amend 5)
4.10	Temporary Traffic Control Plan Analysis	LS	1	0	0	Included in Amend 5
4.11	Master TTCP Design Files	LS	1	0	0	Included in Amend 6
4.12a	Selective Clearing and Grubbing of Existing VegetationField Assessment	LS	1	0	0	
4.12b	Selective Clearing and Grubbing Site Inventory of Existing Vegetation and Cross-Discipline Coordination (OPTIONAL SERVICES)	LS	1	0	0	
4.12c	Selective Clearing and Grubbing- Existing Vegetation Maintenance Report	LS	1	0	0	
4.13	Tree Disposition Plan	LS	1	0	0	
4.14	Design Variations and Exceptions	LS	1	0	0	
4.15	Design Report	LS	1	0	0	
4.16	Quantities	LS	1	40	40	Revise Quantities = (Sta 1260 to 1276) (Credit for Amend 5)



Project Activity 4: Roadway Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.17	Cost Estimate	LS	1	0	0	Included in Amendment 5
4.18	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
4.19	Other Roadway Analyses	LS	1	60	60	Coordination with Commercial Development Design (Coordination, right turn lanes driveways, slopes)
Roadway Analysis Technical Subtotal					172	

**Project Activity 4: Roadway Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.20	Field Reviews	LS	1	0	0	
4.21	Monitor Existing Structures	LS	1	0	0	
4.22	Technical Meetings	LS	1	4	4	Concept Meeting
4.23	Quality Assurance/Quality Control	LS	%	5%	9	
4.24	Independent Peer Review	LS	%	0%	0	
4.25	Supervision	LS	%	5%	9	
<b>Roadway Analysis Nontechnical Subtotal</b>						<b>22</b>
4.26	Coordination	LS	%	5%	10	
<b>4. Roadway Analysis Total</b>						<b>204</b>

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0			0
Pavement	EA	0	0	0			0
Access Management	EA	1	0	0		yes	1
15% Line and Grade	EA	0	0	0		yes	0
Driveways	EA	0	0	0			0
Local Governments (cities, counties, MPO)	EA	4	0	0		yes	4
Work Zone Traffic Control	EA	0	0	0		no	0
30/60/90/100% Comment Review Meetings	EA	4	0	0		no	0
Polk County Survey	EA	2	0	0		yes	0
<b>Subtotal Technical Meetings</b>				<b>0</b>	<b>Subtotal Project Manager Meetings</b>		<b>5</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>		
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>		
<b>Total Meetings</b>				<b>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>5</b>

Carries to 4.17

Carries to Tab 3

**Project Activity 5: Roadway Plans**

Estimator: Ray Lee CR 557 (Buena Vista Drive) Widening-Amend 6 T.B.D.

Representing	Print Name	Signature / Date
Polk County		
Dewberry		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	1	0	0	Included in Amendment 5
5.2	Summary of Pay Items Including Quantity Input		Sheet	1	4	4	Revised Quantities
5.3	Typical Section Sheets						
5.3.1	Typical Sections		EA	4	0	0	Included in Amendment 5
5.3.2	Typical Section Details		EA	1	0	0	
5.4	General Notes/Pay Item Notes		Sheet	1	0	0	Included in Amendment 5
5.5	Summary of Quantities Sheets		Sheet	1	0	0	Included in Amendment 5
5.6	Project Layout		Sheet	3	0	0	
5.7	Plan/Profile Sheet		Sheet	0	0	0	N/A
5.8	Profile Sheet		Sheet	4	4	16	4 Sheets (50 Scale) (Credit for Amend 5)
5.9	Plan Sheet		Sheet	4	4	16	4 Sheets (50 Scale) (Credit for Amend 5)
5.10	Special Profile		Sheet	0	0	0	
5.11	Back-of-Sidewalk Profile Sheet		Sheet	0	0	0	
5.12	Interchange Layout Sheet		Sheet	0	0	0	
5.13	Ramp Terminal Details (Plan View)		Sheet	0	0	0	
5.14	Intersection Layout Details		Sheet	1	12	12	Old Lake Alfred Road
5.15	Special Details		EA	2	0	0	
5.16	Cross-Section Pattern Sheet(s)		Sheet	0	0	0	

**Project Activity 5: Roadway Plans**

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.17	Roadway Soil Survey Sheet(s)		Sheet	1	0	0	
5.18	Cross Sections		EA	22	0.25	6	16 Cross Sections (CR 557) + 6 Cross Sections (OLA) @ 100' Intervals (Credit for Amend 5)
5.19	Temporary Traffic Control Plan Sheets		Sheet	12	2	24	3 Phases of 4 Sheets (Credit for Amend 5)
5.20	Temporary Traffic Control Cross Section Sheets		EA	24	0.25	6	0.30 mi-200' Intervals-3 Phases (Credit for Amend 5)
5.21	Temporary Traffic Control Detail Sheets		Sheet	11	0	0	
5.22	Utility Adjustment Sheets		Sheet	4	2	8	Sheets (50 Scale) Credit for Amend 5)
5.23	Selective Clearing and Grubbing Sheet(s)						N/A
5.23.1	Selective Clearing and Grubbing		Sheet	0	0	0	N/A
5.23.2	Selective Clearing and Grubbing Details		Sheet	0	0	0	N/A
5.24	Tree Disposition Sheet(s)						N/A
5.24.1	Tree Disposition Plan Sheet(s)		Sheet	0	0	0	N/A
5.24.2	Tree Disposition Plan Tables and Schedules		Sheet	0	0	0	N/A
5.25	Project Control Sheet(s)		Sheet	3	0	0	
5.26	Environmental Detail Sheets		Sheet	50	0	0	
5.27	Utility Verification Sheet(s) (SUE Data)		Sheet	1	0	0	
<b>Roadway Plans Technical Subtotal</b>						<b>92</b>	
5.28	Quality Assurance/Quality Control		LS	%	5%	5	
5.29	Supervision		LS	%	5%	5	
<b>5. Roadway Plans Total</b>						<b>102</b>	

**Project Activity 6a: Drainage Analysis**

Estimator: Jairo Rodriguez

CR 557 (Buena Vista Drive) Widening-Amend 6  
T.B.D.

Representing	Print Name	Signature / Date
Polk County		
Dewberry		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	2	3	6	Revise hydrology for Basin 3 that will need to be updated due to the new intersection layout
6a.2	Base Clearance Calculations	Per Location	0	0	0	
6a.3	Pond Siting Analysis and Report	Per Basin	0	0	0	
6a.4	Design of Cross Drains	EA	1	8	8	Modify CD-1
6a.5	Design of Ditches	Per Ditch Mile	1	0	0	
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	1	40	40	Revise Pond 3 calcs based on changes to intersection, addition of rt turn lanes and changes to basin areas
6a.7	Design of Stormwater Management Facility (Roadside Treatment Swales and Linear Ponds)	Per Cell	0	0	0	
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	1	0	0	
6a.9	Design of Storm Drains	EA	28	1.5	42	Redesign 20 structures along CR 557. Add 6 structures along Old Lake Alfred Road, Add 2 structures for rt turn lanes)
6a.10	Optional Culvert Material	EA	0	0	0	
6a.11	French Drain Systems	Per Cell	0	0	0	
6a.11.a	Existing French Drain Systems	Per Cell	0	0	0	
6a.12	Drainage Wells	EA	0	0	0	
6a.13	Drainage Design Documentation Report	LS	1	16	16	Revise (Credit for Amend 5)
6a.14	Bridge Hydraulic Report	EA	0	0	0	

Project Activity 6a: Drainage Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.15	Temporary Drainage Analysis	LS	1	0	0	
6a.16	Cost Estimate	LS	1	0	0	
6a.17	Technical Special Provisions / Modified Special Provisions	LS	1	0	0	
6a.18	Hydroplaning Analysis	LS	1	0	0	
6a.19	Existing Permit Analysis	LS	1	0	0	
6a.20	Other Drainage Analysis	LS	1	32	32	Prepare and submit SWFWMD Permit Mod for Revised Intersection and rt turn lanes
6a.21	Noise Barrier Evaluation	LS	1	0	0	
Drainage Analysis Technical Subtotal					144	
6a.22	Field Reviews	LS	1	0	0	
6a.23	Technical Meetings	LS	1	0	0	
6a.24	Environmental Look-Around (ELA) Meeting	LS	1	0	0	
6a.25	Quality Assurance/Quality Control	LS	%	5%	7	
6a.26	Independent Peer Review	LS	%	0%	0	
6a.27	Supervision	LS	%	5%	7	
Drainage Analysis Nontechnical Subtotal					14	
6a.28	Coordination	LS	%	0%	0	
6a. Drainage Analysis Total					158	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Base Clearance Water Elevation	EA	0	0	0			0
Pond Siting	EA	0	0	0			0
Agency	EA	1	0	0			0
Local Governments (cities, counties)	EA	0	0	0			0
FDOT Drainage	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings							0
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
Total Meetings					Total Project Manager Meetings (carries to Tab 3)		0

Carries to Tab 3

## 6b. Drainage Plans

Estimator: Sean Carrigan

CR 557 (Buena Vista Drive) Widening-Amend 6  
T.B.D.

Representing	Print Name	Signature / Date
Polk County		
Dewberry		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
6b.1	Drainage Map (Including Interchanges)		Sheet	2	4	8	Update Plan & Profile View (Credit for Amend 5)
6b.2	Bridge Hydraulics Recommendation Sheets		Sheet	0	0	0	
6b.3	Summary of Drainage Structures		Sheet	2	4	8	Revise and add structures (Credit for Amend 5)
6b.4	Optional Pipe/Culvert Material		Sheet	0	0	0	
6b.5	Drainage Structure Sheet(s) (Per Structure)		EA	28	1.5	42	Update Drainage Structures and add new structures
6b.6	Miscellaneous Drainage Detail Sheets		Sheet	0	0	0	
6b.7	Lateral Ditch Plan/Profile		Sheet	0	0	0	
6b.8	Lateral Ditch Cross Sections		EA	0	0	0	
6b.9	Retention/Detention Ponds Detail Sheet(s)		Sheet	15	0	0	
6b.10	Retention Pond Cross Sections		EA	180	0	0	
6b.11	Erosion Control Plan Sheet(s)		Sheet	4	2	8	Revise
6b.12	SWPPP Sheet(s)		Sheet	0	0	0	Included in Amend 5
<b>Drainage Plans Technical Subtotal</b>						<b>66</b>	
6b.13	Quality Assurance/Quality Control		LS	%	5%	3	
6b.14	Supervision		LS	%	5%	3	
<b>6. Drainage Plans Total</b>						<b>72</b>	

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Estimator: CR 557 (Buena Vista Drive) Widening-Amend 6  
T.B.D.

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
FDOT District		
Consultant Name		

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	Design and Production Staffhours				Comments				
			No. of Units	Hours per Unit	No. of Sheets	Total					
	General Drawings										
9.1	Key Sheet and Index of Drawings	Sheet	0	0	0	0					
9.2	Project Layout	Sheet	0	0	0	0					
9.3	General Notes and Bid Item Notes	Sheet	0	0	0	0					
9.4	Miscellaneous Common Details	Sheet	0	0	0	0					
9.5	Incorporate Report of Core Borings	Sheet	0	0	0	0					
9.6	Standard Plans- Bridges	LS	1	0		0					
9.7	Existing Bridge Plans	LS	1	0		0					
9.8	Assemble Plan Summary Boxes and Quantities	LS	1	0		0					
9.9	Cost Estimate	LS	1	0		0					
9.10	Technical Special Provisions and Modified Special Provisions	LS	1	0		0					
Structures - Summary and Miscellaneous Tasks and Drawings					0	0					
Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
10-16	Bridge 1	0	0	0	0	0	0	0	0		
10-16	Bridge 2	0									
10-16	Bridge 3	0									
10-16	Bridge 4	0									
10-16	Bridge 5	0									



## **Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings**

[illegible]

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0			0
90/100% Comment Review	EA	0	0	0			0
Aesthetics Coordination	EA	0	0	0			0
Regulatory Agency	EA	0	0	0			0
Local Governments (cities, counties)	EA	0	0	0			0
Utility Companies	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
<b>Subtotal Technical Meetings</b>				<b>0</b>			<b>0</b>

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Progress Meetings (if required by FDOT)	EA	0	0	0	0	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3	--
Phase Review Meetings	EA	0	0	0	0	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	--
Total Meetings								0	Total Project Manager Meetings (carries to Tab 3)	0

Carries to 9.11

Carries to Tab 3

Project Activity 18: Miscellaneous Structures

Estimator: Marybeth Morin

CR 557 (Buena Vista Drive) Widening Amend 6  
T B.D.

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Concrete Box Culvert							
18.1	Concrete Box Culverts	EA	2	0		0	
18.2	Concrete Box Culverts Extensions	EA Extension	0	0		0	
18.3	Concrete Box Culvert Data Table Plan Sheets	Sheet	0	0	0	0	
18.4	Concrete Box Culvert Special Details Plan Sheets	Sheet	0	0	0	0	
Strain Poles							
18.5	Steel Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
		Initial Config	0	0		0	
18.6	Concrete Strain Poles	EA Add'l Config	0	0		0	
		Sheet	0	0	0	0	
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	0	0	0	
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	
Mast Arms							
18.9	Mast Arms	EA Design	4	20		80	Standard design, run each with standard pole/arm configuration. Check foundation with soil parameters.
18.10	Mast Arms Data Table Plan Sheets	Sheet	1	4	1	4	
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0	
Overhead/Cantilever Sign Structures							
18.12	Cantilever Sign Structures	EA Design	0	0		0	
18.13	Overhead Span Sign Structures	EA Design	0	0		0	
18.14	Special (Long Span) Overhead Span Sign Structures	EA Design	0	0		0	
18.15	Monotube Overhead Sign Structure	EA Design	0	0		0	
18.16	Bridge Mounted Signs (Attached to Superstr.)	EA Design	0	0		0	
18.17	Overhead and Cantilever Sign Structures Data Table Plan Sheets	Sheet	0	0	0	0	
18.18	Overhead and Cantilever Sign Structures Special Details Plan Sheets	Sheet	0	0	0	0	
High Mast Lighting							
18.19	Non-Standard High Mast Lighting Structures	EA Design	0	0		0	
18.20	High Mast Lighting Special Details Plan Sheets	Sheet	0	0	0	0	
Noise Barrier Walls (Ground Mount)							
18.21	Horizontal Wall Geometry	EA Wall	0	0		0	
18.22	Vertical Wall Geometry	EA Wall	0	0		0	
18.23	Summary of Quantities - Aesthetic Requirements	Sheet	0	0	0	0	
18.24	Control Drawings	Sheet	0	0	0	0	
18.25	Design of Noise Barrier Walls Covered by Standards	EA Design	0	0		0	
18.26	Design of Noise Barrier Walls Not Covered by Standards	EA Design	0	0		0	
18.27	Aesthetic Details	LS	1	0		0	
Special Structures							

Project Activity 18: Miscellaneous Structures

18.28	Fender System	LS	1	0	0	0	
18.29	Fender System Access	LS	1	0	0	0	
18.30	Special Structures	LS	1	0	0	0	
18.31	Other Structures	LS	1	0	0	0	
<b>Ancillary Structures Report</b>							
18.32	Condition Evaluation of Signal and Sign Structures, and High Mast Light Poles	EA structure	0	0	0	0	
18.33	Condition Evaluation of Signal and Sign Structures, and High Mast Light Poles (No As built or Design Plans Available)	EA structure	0	0	0	0	
18.34	Analytical Evaluation of Signal and Sign Structures, and High Mast Light Poles	EA structure	0	0	0	0	
18.35	Ancillary Structures Report	LS	1	0	0	0	
<b>18. Structures - Miscellaneous Total</b>							<b>84</b>

**Project Activity 19: Signing and Pavement Marking Analysis**

Estimator: Jim Bradford, P.E.

CR 557 (Buena Vista Drive) Widening-Amend 6  
T.B.D.

Representing	Print Name	Signature / Date
Polk County		
Dewberry		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/Units	Total Hours	Comments
19.1	Traffic Data Analysis	LS	1	4	4	
19.2	No Passing Zone Study	LS	1	0	0	
19.3	Reference and Master Design File	LS	1	20	20	(8 Hours per intersection*1 intersections)+(40 hours per mile*0.30 miles) (Credit for Amend 5)
19.4	Multi-Post Sign Support Calculations	EA	2	3	6	Next Signal Signs, 2 per intersection x 1 intersection
19.5	Sign Panel Design Analysis	EA	6	0	0	
19.6	Sign Lighting/Electrical Calculations	EA	1	0	0	
19.7	Quantities	LS	1	6	6	1.5 Hours per plan sheet (4 sheets) (Credit for Amend 5)
19.8	Cost Estimate	LS	1	0	0	Included in Amendment 5
19.9	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
19.10	Other Signing and Pavement Marking	LS	1	0	0	
<b>Signing and Pavement Marking Analysis Technical Subtotal</b>					<b>36</b>	
19.11	Field Reviews	LS	1	0	0	Meetings are listed below
19.12	Technical Meetings	LS	1	0	0	
19.13	Quality Assurance/Quality Control	LS	%	5%	2	
19.14	Independent Peer Review	LS	%	0%	0	
19.15	Supervision	LS	%	5%	2	
<b>Signing and Pavement Marking Analysis Nontechnical Subtotal</b>					<b>4</b>	
19.16	Coordination	LS	%	0%	0	
<b>19. Signing and Pavement Marking Analysis Total</b>					<b>40</b>	

Project Activity 20: Signing and Pavement Marking Plans

Estimator: Jim Bradford, P.E.

CR 557 (Buena Vista Drive) Widening-Amend 6  
T.B.D.

Representing	Print Name	Signature / Date
Polk County		
Dewberry		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	1	0	1	0	
20.2	Summary of Pay Items Including Input		LS	1	0		0	
20.3	Tabulation of Quantities		Sheet	1	2	1	2	
20.4	General Notes/Pay Item Notes		Sheet	1	0	1	0	Included in Amendment 5
20.5	Project Layout		Sheet	1	0	1	0	
20.6	Plan Sheet		Sheet	4	4	4	16	Revise
20.7	Typical Details		EA	0	0		0	
20.8	Guide Sign Worksheet(s)		EA	1	2		2	Next Signal Sign
20.9	Traffic Monitoring Site		EA	0	0		0	
20.10	Cross Sections		EA	2	2		4	Next Signal Signs, 2 per intersection x 1 intersection
20.11	Special Service Point Details		EA	0	0		0	
20.12	Special Details		LS	1	0		0	
20.13	Interim Standards		LS	1	0		0	
Signing and Pavement Marking Plans Technical Subtotal						8	24	
20.14	Quality Assurance/Quality Control		LS	%	5%		1	
20.15	Supervision		LS	%	5%		1	
20. Signing and Pavement Marking Plans Total						8	26	

**Project Activity 21: Signalization Analysis**

Estimator: Jim Bradford, P.E.

CR 557 (Buena Vista Drive) Widening-Amend 6  
T.B.D.

Representing	Print Name	Signature / Date
Polk County		
Dewberry		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	0	0	
21.2	Traffic Data Analysis	PI	1	8	8	1 Intersections @ 8 hrs/each (Red, yellow, and pedestrian clearance times)
21.3	Signal Warrant Study	LS	1	0	0	
21.4	System Timings	LS	1	0	0	
21.5	Reference and Master Signalization Design File	PI	1	32	32	1 Intersections @ 32 hrs/each
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	0	
21.7	Overhead Street Name Sign Design	EA	2	2	4	2 Street Names @ 2 hrs/each
21.8	Pole Elevation Analysis	LS	1	2	2	2 hrs per intersection
21.9	Traffic Signal Operation Report	LS	1	0	0	
21.10	Quantities	LS	1	8	8	
21.11	Cost Estimate	LS	1	0	0	
21.12	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
21.13	Other Signalization Analysis	LS	1	0	0	
<b>Signalization Analysis Technical Subtotal</b>					<b>54</b>	
21.14	Field Reviews	LS	1	0	0	
21.15	Technical Meetings	LS	1	0	0	
21.16	Quality Assurance/Quality Control	LS	%	5%	3	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	5%	3	
<b>Signalization Analysis Nontechnical Subtotal</b>					<b>6</b>	

**Project Activity 21: Signalization Analysis**

21.19	Coordination	LS	%	0%	0	
<b>21. Signalization Analysis Total</b>						<b>60</b>

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0			0
FDOT Traffic Design	EA	0	0	0			0
Power Company (service point coordination)	EA	2	0	0		yes	1
Maintaining Agency (cities, counties)	EA	2	0	0		yes	1
Railroads	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
<b>Subtotal Technical Meetings</b>				<b>0</b>	<b>Subtotal Project Manager Meetings</b>		<b>2</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
<b>Total Meetings</b>				<b>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>2</b>

Carries to Tab 3

Carries to 21.15



**Project Activity 22: Signalization Plans**

Estimator: Jim Bradford, P.E.

CR 557 (Buena Vista Drive) Widening-Amend 6  
T.B.D.

Representing	Print Name	Signature / Date
Polk County		
Dewberry		

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	1	1	1	1	Revise
22.2	Summary of Pay Items Including Designer Interface Input		Sheet	0	0	0	0	
22.3	Tabulation of Quantities		Sheet	1	4	1	4	
22.4	General Notes/Pay Item Notes		Sheet	1	2	1	2	
22.5	Plan Sheet		Sheet	1	4	1	4	
22.6	Interconnect Plans		Sheet	0	0	0	0	N/A
22.7	Traffic Monitoring Site		EA	0	0		0	N/A
22.8	Guide Sign Worksheet		EA	1	2		2	
22.9	Special Details		Sheet	1	8	1	8	Ped Pole/Quadrant Details
22.10	Special Service Point Details		EA	0	0		0	N/A
22.11	Mast Arm/Monotube Tabulation Sheet		PI	1	4		4	
22.12	Strain Pole Schedule		PI	0	0		0	
22.13	TTCP Signal		EA	0	0		0	
22.14	Temporary Detection Sheet		PI	0	0		0	
22.15	Utility Conflict Sheet		Sheet	1	8	1	8	
22.16	Interim Standards		LS	1	0		0	
<b>Signalization Plans Technical Subtotal</b>							<b>33</b>	
22.17	Quality Assurance/Quality Control		LS	%	5%		2	
22.18	Supervision		LS	%	5%		2	
<b>22. Signalization Plans Total</b>							<b>6</b>	<b>37</b>

**Project Activity 23: Lighting Analysis**

Estimator: Courtney Orlando

CR 557 (Buena Vista Drive) Widening-Amend 6  
T.B.D.

Representing	Print Name	Signature / Date
Polk County		
Dewberry		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	LS	1	0	0	
23.2	Lighting Design Analysis Report	LS	1	24	24	Revise for Signal Layout
23.3	Voltage Drop Calculations	EA	1	4	4	Redo for Revised Layout
23.4	FDEP Coordination and Report	LS	1	0	0	N/A
23.5	Reference and Master Design Files	LS	1	24	24	80 mh/mi @ 0.30 mi
23.6	Temporary Lighting	LS	1	0	0	
23.7	Design Documentation	LS	1	4	4	Revise for Signal Layout
23.8	Quantities	LS	1	8	8	2 Hours per plan sheet x 4 sheets
23.9	Cost Estimate	LS	1	0	0	
23.10	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	N/A
23.11	Other Lighting Analysis	LS	1	0	0	
<b>Lighting Analysis Technical Subtotal</b>					<b>64</b>	
23.12	Field Reviews	LS	1	0	0	
23.13	Technical Meetings	LS	1	12	12	Refer to technical meetings.
23.14	Quality Assurance/Quality Control	LS	%	5%	3	Produce and implement QA/QC plan.
23.15	Independent Peer Review	LS	%	0%	0	N/A

**Project Activity 23: Lighting Analysis**

23.16	Supervision	LS	%	5%	3	Supervise and coordinate all technical design analysis.
<b>Lighting Analysis Nontechnical Subtotal</b>						<b>18</b>
23.17	Coordination	LS	%	0%	0	
<b>23. Lighting Analysis Total</b>						<b>82</b>

**Project Activity 23: Lighting Analysis**

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0			0
FDOT Traffic Design	EA	0	0	0			0
Power Company (service point coordination)	EA	1	8	8			0
Maintaining Agency (cities, counties)	EA	1	4	4			0
Airport authority	EA	0	0	0			0
FDEP Lighting (coast areas)	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
<b>Subtotal Technical Meetings</b>				<b>12</b>	<b>Subtotal Project Manager Meetings</b>		<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
<b>Total Meetings</b>				<b>12</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>0</b>

Carries to 23.14

Carries to Tab 3

**24. Lighting Plans**

Estimator: Courtney Orlando

CR 557 (Buena Vista Drive) Widening-Amend 6  
T.B.D.

Representing	Print Name	Signature / Date
Polk County		
Dewberry		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
24.1	Key Sheet		Sheet	1	0	0	0	
24.2	Summary of Pay Items Including Designer Interface Input		Sheet	0	0	0	0	
24.3	Tabulation of Quantities		Sheet	1	4	1	4	
24.4	General Notes/Pay Item Notes		Sheet	2	0	0	0	Included in Amendment 5
24.5	Pole Data, Legend and Criteria		Sheet	1	4	1	4	Revise
24.6	Service Point Details		Sheet	1	8	1	8	Add for Signal
24.7	Project Layout		Sheet	1	0	0	0	
24.8	Plan Sheet		Sheet	4	4	4	16	Revise
24.9	Special Details		Sheet	2	0	0	0	
24.10	Temporary Lighting Data and Details		Sheet	1	0	0	0	
24.11	Temporary Traffic Control Plan Sheets		Sheet	0	0	0	0	
24.12	Interim Standards		LS	1	0		0	
<b>Lighting Plans Technical Subtotal</b>						<b>7</b>	<b>32</b>	
24.13	Quality Assurance/Quality Control		LS	%	5%		2	Perform QC review, respond to comments, resolution meetings and documentation, assembly of plans for phase submittals, etc.
24.14	Supervision		LS	%	5%		2	Supervise and coordinate plans production.
<b>24. Lighting Plans Total</b>						<b>7</b>	<b>36</b>	



Dewberry Engineers Inc.  
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Orlando, FL 32803-3251

407.843.5120  
407.649.8664 fax  
www.dewberry.com

July 14, 2025

Klayton Fees, P.E.  
Project Manager  
Polk County Roads & Drainage Division  
3000 Sheffield Road  
Winter Haven, Florida 33880

Re: Intersection Signalization Services  
CR 557 Widening Project  
Consulting Agreement Services #18-73  
Amendment #6 - Revised

Dear Mr. Fees:

Dewberry Engineers Inc. respectfully requests approval to provide additional services for the referenced project. The County has requested that the CR 557 and Old Lake Alfred Road intersection be redesigned from a roundabout to a signalized intersection. In addition, coordination with the adjacent developer and addition of right turn lane and driveways will be required for the adjacent site development. The work effort will include signal and structural design, plan changes, geotechnical investigations, quantity adjustments and utility coordination.

The revised manhour and fee proposal is attached for your review. We appreciate the opportunity to provide these services to Polk County. Please contact me if you have any questions or require additional information.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kevin E. Knudsen", is written over a blue horizontal line.

Kevin E. Knudsen, P.E.  
Vice President

KEK:cnp  
50110728/CR 557/admin/Corr/Letter/Amendment #6-REV