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January 10, 2025

Tim Callanan
County Manager
Effingham County Board of Commissioners
804 S. Laurel Street
Springfield, GA 31329

Re: **Effingham County – Professional Transportation Design Services Fee Proposal –
Blue Jay Road – Phase II – Preliminary Design through Final Design**

Pond & Company (Pond) is pleased to submit this proposal for transportation engineering design services for the above project. The paragraphs below describe the professional services and fees to accomplish this work.

PROJECT UNDERSTANDING:

Traffic analysis and conceptual design services are currently underway for Effingham County to evaluate Blue Jay Road, from Sandy Hill Road to just east of State Route 21. As part of the current task order/project, a conceptual layout and cost estimate are being developed and presented to the county. Once the concept is approved, the county has decided to proceed with full engineering design.

The corridor has been divided into multiple phases to accelerate the schedule and construct specific phases as soon as possible. This scope specifically pertains to Phase II, which covers Blue Jay Road from just west of Effingham Parkway (currently under construction) to just east of the intersection of Blue Jay and McCall Road (east). The project limits will end to the west of Norfolk Southern Railroad to avoid railroad coordination and expedite the design process.

The project is approximately 1.6 miles in length. The corridor will be widened to a four-lane section between these two intersections and include a multi-use path on the south side of Blue Jay Road. In addition, a new roundabout is proposed at the intersection of Blue Jay Road and McCall Road (west)/Blandford Road. Services to be completed under this project will include Preliminary Design through Final Design.

PROFESSIONAL SERVICES:

The work in this proposal will consist of developing preliminary through final construction plans. Pond, along with our subconsultants, will provide the design services necessary for completing the tasks as described herein for Effingham County.

Scope of Work

Task 1: Base Data Coordination

Task 1A. Survey – Survey services will be performed by sub-consultant, Settimio Consulting Services, and provided to Pond. The survey limits include approximately 1.6 miles along the centerline of Blue Jay Road, from approximately 1500' west of Effingham Parkway to approximately 750' east of McCall Road. The limits will include approximately 1500' along McCall Road as well. The width of survey limits is approximately 300' from the centerline of Blue Jay Road. Property research and resolution and property owner notification will also be performed as part of this task.

Task 1B. Environmental - Pond will provide a waters/wetland delineation for the Blue Jay Road survey boundary as depicted on files received 11/22/2024. The task will include waters/wetland delineation in accordance with the United States Army Corps of Engineers *1987 Wetland Delineation Manual* as well as the appropriate *Regional Supplement*. The delineation will include desktop research; site visit; identification of potentially jurisdictional waters/wetlands; completion of USACE-required data forms; collection of resource boundaries using sub-foot GPS. The task will also include identification of suitable habitat for federally protected species and a desktop screen/review of known cultural resources in the vicinity. Pond will prepare a summary report to include description of methods and findings along with figures, photographs, and data forms. This scope of work does not include preparation of permit documents; species-specific surveys for protected species; Phase I Cultural Resources Assessment Survey; Phase I Environmental Site Assessment; property access coordination.

Deliverables for Task 1:

- Survey Database
- Delineation and Listed Species Habitat Survey

Task 2: Preliminary Design

Task 2A. Preliminary Design Plans – The Preliminary Plans deliverable will include roadway plans, roadway profile, driveway profiles, cross sections, utility plans, signing and marking plans, and erosion control plans. Pond will prepare the construction plans based on the topographic survey database (Task 1). The design plans will be prepared conforming to AASHTO, Manual on Uniform Traffic Control Devices (MUTCD), Effingham County, and Georgia Department of Transportation (GDOT) requirements and standards, as appropriate, using MicroStation V8i with InRoads or OpenRoads Connect (ORD) software. All turn lane improvements are based on queue lengths identified in the Traffic Engineering Report (previously submitted/approved), as well as GDOT minimum lengths.

Task 2B. Drainage Design and Review – Pond will review the drainage and hydrology report (to be provided by Effingham County) to determine the additional capacity existing drainage ponds along Blue Jay Road can accommodate. It is our understanding that (3) new drainage ponds will be installed at the Blue Jay Elementary School. Pond will coordinate with James W. Buckley and Associates regarding any questions and/or revisions needed for the proposed ponds. Additional detention pond design and water treatment quality/MS4 is excluded from scope of work.

Task 2C. Utility Plans – Pond will prepare utility plans and submit to Effingham County for them to distribute to all utility owners and request markups to determine existing facilities. We will incorporate the markups into the utility adjustment plans. All utility coordination to be completed by Effingham County, unless approved to proceed with *Utility Coordination* (contingent service) as shown in *Task 5F*.

**The relocation of Effingham County Water facilities within project limits is assumed to be excluded from this project.*

Task 2D. Lighting Plans - Pond will prepare preliminary lighting plans for the roundabout at the intersection of Blue Jay and McCall Road.

Task 2E. Cost Estimate – Pond will prepare (1) detailed opinion of probable cost for the project. Pond will prepare a construction cost estimate and will provide R/W and easement areas for the county to cost. Utility costs will be completed by others.

Task 2F. Effingham County Review – Pond will submit the Preliminary Plans to Effingham County for comment/approval. This task includes (1) meeting with the county to discuss the plans. We will respond to (1) round of comments and incorporate appropriate comments into the plans (during Task 4).

Deliverables for Task 2:

- Preliminary Plans
- Cost Estimate

Task 3: Right of Way Plans

Task 3A. Right of Way Plans – After Preliminary Plan approval, we will prepare Right-of- Way plans per GDOT design guidelines. The Right-of-Way plans will include all required permanent Right-of-Way takes and all construction easements. This assumes impacting (35) parcels, as currently shown in the conceptual layout.

Task 3B. Effingham County Review – Pond will submit the Right-of-Way Plans to Effingham County for comment/approval. This task includes (1) meeting with the county to discuss the plans. We will respond to (1) round of comments and incorporate them into the plans as applicable.

Deliverables for Task 3:

- Right of Way Plans

Task 4: 90% and Final Design

Task 4A. 90% Design Plans – Based on all comments received from the Preliminary Plan submittal, we will further refine the plans. These plans will include compiling a list of all Preliminary Plan comments received and our responses, prior to incorporating into 90% Plans.

Task 4B. Utility Plans – Pond will refine utility plans based on utility relocation plans provided by Effingham County. All utility relocations will be designed by others and incorporated in the utility coordination plans. All utility coordination to be completed by Effingham County, unless approved to proceed with *Utility Coordination* (contingent service) as shown in *Task 5F*.

Task 4C. Lighting Plans – Pond will prepare final lighting plans for the roundabout at the intersection of Blue Jay and McCall Road.

Task 4D. Cost Estimate – Pond will prepare (1) detailed opinion of probable cost/cost estimate for the project. Pond will prepare a construction cost estimate and will provide R/W and easement areas for the county to cost. Utility costs will be provided by others.

Task 4E. Effingham County Review – Pond will submit 90% Plans to Effingham County for comment/approval. This task includes (1) meeting with the county to discuss the plans. We will respond to (1) round of comments and incorporate them into the plans as applicable.

Deliverables for Task 4:

- 90% Plans
- Final Plans
- Cost Estimate

Task 5: Miscellaneous Services/Contingency (Requires Effingham County Approval) *

*If authorized, these contingent services are to be completed concurrently with the associated scheduled design service(s) to prevent project schedule delay and/or *additional* design modifications.

Task 5A. Urban Section Alternative – Effingham County is still evaluating the preference of urban versus rural section for the sections of roadway along Blue Jay Road with a 45 MPH speed limit. Due to the additional design effort required from a rural section to an urban section, this contingent service is to be approved by Effingham County prior to use. The section is assumed to include the following:

- Curb and Gutter
- Closed System Drainage (structures and piping)
- Reduced Buffer (between back of curb and face of multi-use path)

Task 5B. Blue Jay and McCall Road - 4th Leg Addition – Pond understands that Effingham County is currently coordinating with a developer regarding a future development on the north side of the Blue Jay Road at McCall Road intersection. In the event this development proceeds to full design and permitting, Effingham County would like to have a 4th leg installed at the north side of the proposed roundabout that would serve this development. Pond will coordinate with EMC (design consultant for proposed development) to ensure a seamless tie-in.

Task 5C. Signal Plans - Pond will prepare signal plans for a midblock crossing at the proposed Blue Jay Elementary School. This will include a Pedestrian Hybrid Beacon (PHB) with a two-stage pedestrian crossing, along with pedestrian facilities (i.e. pedestrian signals, marked crosswalks, wheelchairs ramps, and median cut through).

Task 5D. Special Grading Plans – Pond will complete special grading plans to show the finished elevations of the roundabout.

Task 5E. Staging Plans – Pond will complete staging plans for the roundabout showing the detailed sequencing of construction for all stages of construction. This assumes plan layout only; cross sections, temporary construction limits, and temporary drainage are excluded.

Task 5F. Utility Coordination – Pond will complete utility coordination efforts. The design ticket request will be completed to determine utilities in the area and obtain utility owner contact information. First Submission Utility Request will be coordinated with utility owners to obtain existing facilities. Second Submission Utility Request will be coordinated with utility owners to finalize any utility conflicts and determine any proposed facility/utility relocations.

Task 5G. Subsurface Utility Engineering (SUE) Services – SUE QL-B services will be performed by sub-consultant, Settimio Consulting Services, and provided to Pond. The limits include approximately 1.6 miles along the centerline of Blue Jay Road, from approximately 1500' west of Effingham Parkway to approximately 750' east of McCall Road. The limits will include approximately 1500' along McCall Road as well. The width of survey limits is approximately 300'

from the centerline of Blue Jay Road. Given that this is a contingent service, this would need to be completed concurrently with the survey services to avoid additional mobilization and travel expenses.

Task 5H. Miscellaneous Services/Contingency Services – This task will include miscellaneous funding to apply to any out-of-scope items and/or risks encountered during design.

Schedule

Pond has estimated that *Task 1* through *Task 4* listed above can be completed within (12) months, following Notice to Proceed (NTP) from Effingham County and completion of survey services. Please note that this schedule timeframe is also dependent on subconsultant scheduling and agency review times. This timeframe excludes time associated with right-of-way authorization and construction activities.

ASSUMPTIONS:

The design plans will be prepared as a locally funded project. Pond strongly recommends completing all services listed as contingent services (*Task 5*) to ensure a detailed set of construction plans for the contractor. If authorized, these contingent services are to be completed concurrently with the associated scheduled design service(s) to prevent project schedule delay and/or *additional* design modifications.

Services or tasks not specifically outlined above are excluded and would be considered additional services. Services not included in the scope:

- Intersection Control Evaluation (ICE) Process
- Traffic Analysis (i.e. TE Report, Technical Memo, ETI, School Zone, capacity analysis, etc.)
- Traffic Data Collection
- Traffic Signal Plans (Beyond PHB Design)
- ITS/Signal Communications Plans
- Landscaping Plans
- Pedestrian Lighting Plans
- Tree Removal Plans
- Tree Mitigation/Recompense Plans
- Landscaping Palette/Rendering
- GDOT Plan Development Process (PDP)
- Additional Meetings
- MS4 Analysis/Documentation
- Public Involvement
- Geotechnical Services
- Hydraulic Investigation
- Environmental Permitting
- Right of Way Acquisition Services
- Right of Way Staking
- Post Design, Construction Administration, and Bidding Assistance Services
- Other Items Beyond Scope Listed in *Task 1* through *Task 4*
- Structural Design and/or Analysis
- Railroad Coordination
- Services Listed within *Task 5* (if not authorized by Effingham County)
- Water/Sewer Line Design and/or Coordination with Hussey Gay Bell

PROFESSIONAL FEES:

Pond proposes to accomplish *Task 1* through *Task 4* for a Not-to-Exceed Lump Sum total as shown in the breakdown below:

- Task 1 – Base Data Coordination: \$223,499.66
- Task 2 – Preliminary Design: \$308,869.07
- Task 3 – Right of Way Plans: \$79,748.94
- Task 4 – 90% and Final Design: \$194,633.51

Sub-Total of *Task 1* through *Task 4*: \$806,751.18

- Task 5 – Miscellaneous Services/Contingency: \$218,464.56 (Contingent Services)

These fees are based on the contracted unit rates, not to exceed total of \$1,025,215.74 (including *Task 5 – Miscellaneous Services/Contingency*). These fees are summarized in the attached Fee Estimate/Man Hour Breakdown.

If this fee and scope is acceptable, Pond & Company is available to begin work immediately. If you would like to discuss or modify the scope please contact me at FangmannR@pondco.com or via phone at (678) 336-7740.

Sincerely,

POND & COMPANY



Richard Fangmann, PE, PTOE
Vice-President

Cc: Zach Puckett, PE, IMSA
Taylor Glover, PE
Melissa Phillips

Attachments:
Man-Hour Estimates

Accepted By: _____

Signature: _____

Date: _____

Effingham County

Blue Jay Phase 2 Effingham Pkwy to McCall Rd Project Length 1.6 miles

SUMMARY BY PHASE

COST AMOUNT OF CONTRACT PROPOSAL

1/10/2025

	PHASE AMOUNTS
Phase 1 Base Data Coordination	\$ 223,499.66
Phase 2 Preliminary Design	\$ 308,869.07
Phase 3 Right of Way Plans	\$ 79,748.94
Phase 4 90% and Final Design	\$ 194,633.51
Phase 5 Miscellaneous Services/Contingency	\$ 218,464.56
TOTAL DESIGN COST FOR ALL SEGMENTS	\$ 1,025,215.74

Effingham County

Phase 1 Summary

PROJECT: Blue Jay Phase 2 Effingham Pkwy to McCall Rd

Phase 1

Base Data Coordination

PERSONNEL	EST. HOURS	RATE/HR.	COST \$	TOTALS
PRINCIPAL	4	\$ 325.17	\$ 1,300.68	
PROJECT MANAGER	50	\$ 270.01	\$ 13,500.50	
SENIOR ENGINEER	26	\$ 276.68	\$ 7,193.68	
MID LEVEL ENGINEER	26	\$ 154.81	\$ 4,025.06	
SENIOR LANDSCAPE AR	0	\$ 162.84	\$ -	
LANDSCAPE ARCHITECT	0	\$ 131.33	\$ -	
ADMINISTRATIVE	6	\$ 68.29	\$ 409.74	
TOTAL DIRECT LABOR 112 Manhours				\$ 26,429.66
DIRECT COSTS (SPECIFY):				
ITEM	UNIT COST	QUANTITY	TOTALS	
MILEAGE	\$ 0.67	0	\$	-
REPRODUCTION	\$ 150.00	0	\$	-
MAIL & DELIVERY	\$ 50.00	0	\$	-
TRAVEL	\$ -	0	\$	-
				\$ -
Direct Cost Total				\$ -
SUBCONSULTANTS (LIST):				
SUB CONSULTANT			TOTALS	
Survey Services			\$	178,222.00
Environmental - POND			\$	18,848.00
				\$ -
Subconsultant Sub Total				\$ 197,070.00
COST AMOUNT FOR PHASE				\$ 223,499.66

Effingham County	
Phase 1 Detail	

Phase 1

TASKS	Assumptions	No. of SHT	PRINCIPAL	PROJECT MANAGER	SENIOR ENGINEER	MID LEVEL ENGINEER	SENIOR LANDSCAPE ARCHITECT	LANDSCAPE ARCHITECT	ADMINISTRATIVE	TOTAL	% OF TOTAL HOURS
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Non-Drawing Tasks											
Project Management	Invoices, progress reports, Project Set up		4	24					4	32	28.6%
External Coordination Meeting											
Internal Coordination Meeting				2	2	2			2	8	7.1%
Coordination with Sub	Coordination with surveyor			8						8	7.1%
Drawing Tasks											
Review of Database				8	16	16				40	35.7%
Field Visit	Site visit to verify survey and utility information			8	8	8				24	21.4%
Engineering Traffic Investigation	Report, including ETI, School Zone, and GDOT Coordination										

PERSONNEL	EST. HOURS	RATE/HR.	COST \$	TOTALS
PRINCIPAL	3	\$ 325.17	\$ 975.51	
PROJECT MANAGER	191	\$ 270.01	\$ 51,571.91	
SENIOR ENGINEER	323	\$ 276.68	\$ 89,367.64	
MID LEVEL ENGINEER	979	\$ 154.81	\$ 151,558.99	
SENIOR LANDSCAPE AR	0	\$ 162.84	\$ -	
LANDSCAPE ARCHITECT	0	\$ 131.33	\$ -	
ADMINISTRATIVE	38	\$ 68.29	\$ 2,595.02	
TOTAL DIRECT LABOR 1534 Manhours \$ 296,069.07				
DIRECT COSTS (SPECIFY):				
ITEM	UNIT COST	QUANTITY	TOTALS	
MILEAGE	\$ 0.67	0	\$ -	
REPRODUCTION	\$ 150.00	0	\$ -	
MAIL & DELIVERY	\$ 50.00	0	\$ -	
TRAVEL	\$ -	0	\$ -	
			\$ -	
Direct Cost Total			\$ -	
SUBCONSULTANTS (LIST):				
SUB CONSULTANT			TOTALS	
Lighting Design-Pond			\$ 12,800.00	
			\$ -	
Subconsultant Sub Total				\$ 12,800.00
COST AMOUNT FOR PHASE				\$ 308,869.07

Effingham County
Phase 2 Detail

PROJECT: Blue Jay Phase 2 Effingham Pkwy to McCall Rd
Phase 2
Preliminary Design

TASKS	Assumptions	No. of SHT	PRINCIPAL	PROJECT MANAGER	SENIOR ENGINEER	MID LEVEL ENGINEER	SENIOR LANDSCAPE ARCHITECT	LANDSCAPE ARCHITECT	ADMINISTRATIVE	TOTAL	% OF TOTAL HOURS
Non-Drawing Tasks											
Project Management	Invoices, progress reports		3	100					9	112	7.3%
External Coordination Meeting	3 external meetings @ 1 hr per meeting (virtual)			3	3	3			5	14	0.9%
Internal Coordination Meeting	12 internal meetings @ 1 hr per meeting			12	12	12			24	60	3.9%
Quality Control (assumes Preliminary Plan Review)				8	40					48	3.1%
Drawing Tasks											
Horizontal Alignment				2	8	24				34	2.2%
Vertical Alignment				2	8	24				34	2.2%
Typical Sections				2	8	32				42	2.7%
Cover Sheet, Index, General Notes, etc.				2	4	12				18	1.2%
Quantities				4	8	40				52	3.4%
Plan View - Construction Plans	1.6 mile widening, 1 RAB design			16	40	328				384	25.0%
Roadway Profiles	Side street & RAB Circulatory			2	8	40				50	3.3%
Driveway Profiles				2	12	60				74	4.8%
RAB Design Checks	1 RAB			4	16	40				60	3.9%
Staging Layout	Plan view layout only										
Drainage Layout/Profiles	Additional drainage needed for raised median			4	32	80				116	7.6%
Drainage Analysis	does not include proposed detention BMPS			4	40	40				84	5.5%
Cross Sections				2	20	80				102	6.6%
Utility Plans	Does not include utility coordination			4	8	40				52	3.4%
Utility Coordination-	1st Submission										
Signing and Marking				4	16	40				60	3.9%
Erosion Control	BMP Layout only tables to be completed in final phase			2	16	40				58	3.8%
Lighting Plans	Lighting design provided by Pond Electrical. Drafting by TR			4	8	16				28	1.8%
Landscaping Plans-	LA design provided by Pond LA. Drafting by TR-										
Cost Estimate				4	12	24				40	2.6%
Water and Sewer Relocations Coordination	Design provided by others										
Site Visit											
Signal Plans-											
PFPR Meeting	Virtual			4	4	4				12	0.8%
TOTALS		0	3	191	323	979	0	0	38	1534	100.0%

Effingham County

Phase 3 Summary

PROJECT: Blue Jay Phase 2 Effingham Pkwy to McCall Rd

Phase 3

Right of Way Plans

PERSONNEL	EST. HOURS	RATE/HR.	COST \$	TOTALS
PRINCIPAL	3	\$ 325.17	\$ 975.51	
PROJECT MANAGER	64	\$ 270.01	\$ 17,280.64	
SENIOR ENGINEER	84	\$ 276.68	\$ 23,241.12	
MID LEVEL ENGINEER	244	\$ 154.81	\$ 37,773.64	
SENIOR LANDSCAPE AR	0	\$ 162.84	\$ -	
LANDSCAPE ARCHITECT	0	\$ 131.33	\$ -	
ADMINISTRATIVE	7	\$ 68.29	\$ 478.03	
TOTAL DIRECT LABOR 402 Manhours				\$ 79,748.94
DIRECT COSTS (SPECIFY):				
ITEM	UNIT COST	QUANTITY	TOTALS	
MILEAGE	\$ 0.55	0	\$ -	
REPRODUCTION	\$ 150.00	0	\$ -	
MAIL & DELIVERY	\$ 50.00	0	\$ -	
TRAVEL	\$ -	0	\$ -	
			\$ -	
Direct Cost Total				\$ -
SUBCONSULTANTS (LIST):				
SUB CONSULTANT			TOTALS	
			\$ -	
			\$ -	
Subconsultant Sub Total				\$ -
COST AMOUNT FOR PHASE				\$ 79,748.94

Effingham County
Phase 3 Detail

PROJECT: Blue Jay Phase 2 Effingham Pkwy to McCall Rd
Phase 3
Right of Way Plans

[illegible]

Effingham County

Phase 4 Summary

PROJECT: Blue Jay Phase 2 Effingham Pkwy to McCall Rd

Phase 4

90% and Final Design

PERSONNEL	EST. HOURS	RATE/HR.	COST \$	TOTALS
PRINCIPAL	5	\$ 325.17	\$ 1,625.85	
PROJECT MANAGER	173	\$ 270.01	\$ 46,711.73	
SENIOR ENGINEER	217	\$ 276.68	\$ 60,039.56	
MID LEVEL ENGINEER	551	\$ 154.81	\$ 85,300.31	
SENIOR LANDSCAPE AR	0	\$ 162.84	\$ -	
LANDSCAPE ARCHITECT	0	\$ 131.33	\$ -	
ADMINISTRATIVE	14	\$ 68.29	\$ 956.06	
TOTAL DIRECT LABOR 960 Manhours				\$ 194,633.51
DIRECT COSTS (SPECIFY):				
ITEM	UNIT COST	QUANTITY	TOTALS	
MILEAGE	\$ 0.67	0	\$	-
REPRODUCTION	\$ 150.00	0	\$	-
MAIL & DELIVERY	\$ 50.00	0	\$	-
TRAVEL	\$ -	0	\$	-
				\$ -
Direct Cost Total				\$ -
SUBCONSULTANTS (LIST):				
SUB CONSULTANT			TOTALS	
				\$ -
Subconsultant Sub Total				\$ -
COST AMOUNT FOR PHASE				\$ 194,633.51

Effingham County
Phase 4 Detail

PROJECT: Blue Jay Phase 2 Effingham Pkwy to McCall Rd
Phase 4
90% and Final Design

TASKS	Assumptions	No. of SHT	PRINCIPAL	PROJECT MANAGER	SENIOR ENGINEER	MID LEVEL ENGINEER	SENIOR LANDSCAPE ARCHITECT	LANDSCAPE ARCHITECT	ADMINISTRATIVE	TOTAL	% OF TOTAL HOURS
Non-Drawing Tasks											
Project Management	Invoices, progress reports		5	80					4	89	9.3%
External Coordination Meeting	5 external meetings @ 1 hr per meeting (virtual)			5	5	5			2	17	1.8%
Internal Coordination Meeting	10 internal meetings @ 1 hr per meeting			10	10	10			8	38	4.0%
Quality Control (assumes Final Plan Review)				16	40					56	5.8%
Drawing Tasks											
<i>Finalize/Revisions to the Following:</i>											
Respond to Preliminary Comments				2	8	24				34	3.5%
Horizontal Alignment				2	4	12				18	1.9%
Vertical Alignment				2	4	12				18	1.9%
Typical Sections				2	4	12				18	1.9%
Cover Sheet, Index, General Notes, etc.				2	2	4				8	0.8%
Quantities				2	4	8				14	1.5%
Plan View - Construction Plans				8	40	120				168	17.5%
Roadway Profiles				2	4	8				14	1.5%
Driveway Profiles				2	8	24				34	3.5%
RAB Special Grading											
Staging Layout	Plan view staging layout only										
Drainage Layout	Additional drainage needed for raised median			2	4	24				30	3.1%
Drainage Analysis	Finalize drainage design. Does not include permanent BMP design			4	12	24				40	4.2%
Cross Sections				2	4	24				30	3.1%
Utility Plans	Does not include utility coordination			2	4	24				30	3.1%
Utility Coordination-	2nd Submission										
Signing and Marking				2	8	24				34	3.5%
Erosion Control	Includes erosion control tables. Does not include EPD submittal			2	8	60				70	7.3%
Water and Sewer Relocations											
Lighting Plans	Lighting design provided by Pond Electrical. Drafting by TR			2	4	8				14	1.5%
Landscaping Plans-	LA design provided by Pond LA. Drafting by TR.										
Cost Estimate				2	4	16				22	2.3%
Signal Plans											
FFPR Meeting	Virtual			4	4	4				12	1.3%
Final Plans Comments	Responses for Final Plan Comments			2	4	8				14	1.5%
Address FFPR Plans Comments				4	16	80				100	10.4%
Submit Corrected FFPR Plans/Bid Plans				8	8	8				24	2.5%
Prepare Bid Cost Estimate				2	4	8				14	1.5%
TOTALS		0	5	173	217	551	0	0	14	960	100.0%

COST AMOUNT FOR PHASE	\$	218,464.56
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Effingham County
Phase 5 Detail

PROJECT: Blue Jay Phase 2 Effingham Pkwy to McCall Rd
Phase 5
Miscellaneous Services/Contingency

TASKS	Assumptions	No. of SHT	PRINCIPAL	PROJECT MANAGER	SENIOR ENGINEER	MID LEVEL ENGINEER	SENIOR LANDSCAPE ARCHITECT	LANDSCAPE ARCHITECT	ADMINISTRATIVE	TOTAL	% OF TOTAL HOURS
5A: Urban Section Alternative											
	Additional design effort for Urban Typical Section			14	52	112				178	17.3%
5B: Blue Jay and McCall - 4th Leg Addition											
	Addition of 4th leg of RAB due to development plans provided by others			20	35	58				113	11.0%
5C: Signal Plans											
	Signal Plans for mid block crossing			8	20	44				72	7.0%
5D: Roundabout Special Grading											
	18 series special grading sheets			4	12	32				48	4.7%
5E: Staging Plans											
	Plan view layout only. Does not include xsecs, temp drainage, etc.			8	24	40				72	7.0%
5F: Utility Coordination											
	Existing and Proposed utilities coordination			12	12	24				48	4.7%
5G: SUE QLB											
	SUE services to be completed at the same time as the survey			8	16	24				48	4.7%
5H: Misc Services											
	Misc funding for out of scope services.			100	150	200				450	43.7%
TOTALS		0	0	174	321	534	0	0	0	1029	100.0%