

RESOLUTION 20-108

A RESOLUTION OF THE CITY OF PANAMA CITY BEACH, FLORIDA APPROVING TASK ORDER #2020-01 WITH DEWBERRY ENGINEERS, INC., FOR ENGINEERING AND DESIGN OF THE FRONT BEACH ROAD COMMUNITY REDEVELOPMENT PLAN PROJECT SEGMENT 4.2 IN THE AMOUNT OF \$1,551,128.46; AUTHORIZING EXECUTION AND PROVIDING AN IMMEDIATELY EFFECTIVE DATE.

BE IT RESOLVED that the appropriate officers of the City are authorized to deliver and execute on behalf of the City that certain Task Order #2020-01 to the Master Services Agreement between the City and Dewberry Engineers, Inc., for Professional Engineering Design, Survey, Permitting, and Construction Administration Services for Front Beach Road Community Redevelopment Plan Project Segment 4.2 in the amount of One Million, Five Hundred Fifty-One Thousand, One Hundred Twenty-Eight dollars and Forty-Six cents (\$1,551,128.46) in substantially the form attached and presented to the Council today, with such changes, insertions or omissions as may be approved by the City Manager, whose execution shall be conclusive evidence of such approval.

THIS RESOLUTION shall be effective immediately upon passage.

PASSED in regular session this 14th day of May, 2020.

CITY OF PANAMA CITY BEACH

By: 
Mark Sheldon, Mayor

ATTEST:


Jo Smith, Interim City Clerk

COMBINED TASK ORDER AND
NOTICE TO PROCEED

TASK ORDER NO. 2020-01

DATE
5/04/20

Reference is made to that certain AGREEMENT BETWEEN CITY OF PANAMA CITY BEACH AND DEWBERRY ENGINEERS, INC. RELATING TO CRA SEGMENT 4.2 ENGINEERING SERVICES dated June 26, 2018, (the "Agreement"), the terms, conditions and definitions of which are incorporated herein as if set forth in full. Neither party is in breach of the Agreement.

Pursuant to the Agreement, Engineer agrees to perform the specific tasks set forth upon incorporated Attachment A, Scope of Services, relating to CRA Segment 4.2.

Engineer's total compensation shall be (check one):

a stipulated sum of \$ 1,551,128.46; or
 a stipulated sum of \$ _____ plus one or more specified allowances listed below which may be authorized in writing by the City Manager or his designee,
Allowance of \$ _____ for _____, and
Allowance of \$ _____ for _____; or
 a fee determined on a time-involved basis with a maximum cost of \$ _____;

as set forth upon incorporated Attachment B, Fee Breakdown, and shall be paid in monthly installments as specified in the Agreement.

Work shall begin on May 18, 20 20, and shall be completed within 455 calendar days. The date of completion of all work is therefore August 16, 20 21. Liquidated delay damages, if any, are set at the rate of \$ 0.00 per day. There are no additional rights and obligations related to this Task Order other than as specified in the Agreement.

Upon execution of this task order by both Engineer and City, Engineer is directed to proceed.

IN WITNESS WHEREOF the parties have caused these presents to be executed in their names on the date shown.

Witness:

DEWBERRY ENGINEERS, INC.

By: _____ Date: _____
Its:

ATTEST:

City Clerk

CITY OF PANAMA CITY BEACH, FLA.

By: _____ Date: _____
City Manager

**CITY OF PANAMA CITY BEACH
MASTER SERVICES AGREEMENT**
Professional Engineering Design, Survey, Permitting and Construction Administration Services for Front
Beach Road Community Redevelopment Plan Project

TASK ORDER 2020-01

This Task Order is for the purpose of Dewberry Engineers, Inc. as the Engineer to provide professional services for the **Community Redevelopment Plan Project Segment 4.2 Front Beach Road (East of Hill Road to Hutchison Blvd)** to the City of Panama City Beach (City) acting by and through its Council. Dewberry Engineers, Inc. understands the City is requesting professional services to complete the survey and design within the referenced Segment 4.2 of the CRA.

SCOPE OF SERVICES AND FEE SCHEDULE

1.0 PROJECT MANAGEMENT & COORDINATION - \$46,316.00

Project Coordination & Technical Evaluation Process

1. Provide project oversight and coordination between the design team, City of Panama City Beach and Florida Department of Transportation (FDOT) as needed
2. Coordination with design team and sub consultants throughout the project
3. Provide monthly updates to City staff to discuss milestone reviews and project updates
4. Provide coordination and assist in public outreach with City staff throughout the design phase

2.0 SURVEY - \$145,380.00

Roadway/Right of Way/Subsurface Utility Engineering (SUE)

1. Document research and field review verification with project engineer and City of Panama City Beach
2. Topographic data collection for entire right of way, associated turn lanes along Front Beach Road and major intersections of Nautilus Street, Argonaut Street and proposed new round about for the east termini (Front Beach Road, Lantana Street and Hutchison Blvd)
3. Survey of right of way for conveyance/acquisition purposes along project length and pond site locations
4. Legal descriptions and sketch for all utility, stormwater and construction easements (as required)
5. Collection of all existing structures within the right of way along Front Beach Road for Segment 4.2
6. Survey roadway cross sections/profiles
7. Boundary and topographic survey of route and pond site locations
8. Utility location survey existing utilities within the right of way of Front Beach Road and cross road intersections
9. Perform Subsurface Utility Engineering Survey (SUE) at critical locations as needed
10. Quality assurance/quality control

3.0 ROADWAY ANALYSIS - \$350,694.00

Roadway Analysis – Segment 4.2 & Round About (Front Beach Road/Lantana Street/Hutchison Blvd)

1. Typical section package
2. Pavement design package
3. Horizontal/vertical master design files
4. Access management
5. Cross section design files
6. Traffic control analysis
7. Master TCP design files
8. Design report
9. Verification of quantities
10. Develop engineer cost opinion
11. Other roadway analysis (cross roads/intersections estimate 14)
12. Field verification reviews
13. Attend technical meetings (as needed)
14. Quality assurance/quality control reviews

4.0 ROADWAY PLANS - \$166,865.00

Roadway Plans - Segment 4.2 & Round About (Front Beach Road/Lantana Street/Hutchison Blvd)

1. Develop key sheet
2. Summary of pay items including quantity input
3. Develop typical sections
4. Develop typical section details
5. General notes/pay item notes
6. Summary of quantities sheets
7. Project layout plan
8. Develop plan/profile sheets
9. Develop intersection layout details
10. Develop special profile (106 driveway profiles along Segment 4.1)
11. Develop intersection layout details
12. Develop special details
13. Roadway soils survey sheets
14. Cross sections (estimate 144 cross sections)
15. Develop temporary traffic control plan sheets
16. Develop temporary traffic control cross section sheets
17. Develop temporary traffic control detail sheets
18. Develop utility adjustment sheets
19. Develop Roadway plans for 60%, 90% and 100% plan review submittals
20. Project network control sheets
21. Utility verification sheets (SUE Data)
22. Quality assurance/quality control reviews
23. Preparation of bid documents and specifications

5.0 DRAINAGE AND STORMWATER ANALYSIS - \$184,782.00

Drainage/Stormwater Analysis - Segment 4.2 & Round About (Front Beach Road/Lantana St/Hutchison Blvd)

1. Drainage map hydrology and pond siting analysis
2. Base clearance calculations
3. Design of cross drains in accordance with FDOT and City of Panama City Beach standards
4. Design of conveyance system and structures in accordance with FDOT and City of Panama City Beach standards
5. Design of stormwater management facilities to meet FDOT, FDEP and City of Panama City Beach design requirements
6. Design of floodplain compensation (As needed)
7. Design of storm drains along Front Beach Road and intersection improvements
8. Develop drainage design documentation report
9. Temporary drainage analysis (drainage management during construction)
10. Technical special provisions and modified special provisions
11. Hydroplaning analysis (spread calculations)
12. Field reviews
13. Conduct technical meetings with FDOT and City of Panama City Beach
14. Prepare stormwater design report (FDEP stormwater permit package)
15. Develop comprehensive ICPR Stormwater model to reflect design, drainage structures and ponds
16. Develop Engineer Cost opinion
17. Quality Assurance/Quality Controls

6.0 DRAINAGE AND STORMWATER PLANS PREPARATION - \$84,351.00

Drainage/Stormwater Plans - Segment 4.2 & Round About (Front Beach Road/Lantana St/Hutchison Blvd)

1. Drainage Map (Including Intersections)
2. Summary of drainage structures (Estimate 72 Structures)
3. Develop drainage structure sheets (Estimate 72 Structures)
4. Develop miscellaneous drainage detail sheets
5. Develop retention/detention pond cross sections and detail sheets
6. Develop Stormwater Pollution Prevention Plan (SWPPP) plan sheets
7. Develop 60%, 90% and 100% drainage plans in accordance with FDEP, FDOT and City of Panama City Beach Design Standards
8. Provide updated plan sets per reviews by the City of Panama City Beach, FDEP and FDOT
9. Quality assurance/quality control reviews
10. Preparation of bid documents and specifications

7.0 UTILITY COORDINATION - \$59,365.00

Utility Coordination - Segment 4.2 & Round About (Front Beach Road/Lantana St/Hutchison Blvd)

1. Utility coordination kickoff meeting
2. Inventory existing Utility Agency Owners (UAO)
3. Exception processing
4. Preliminary utility meeting with City of Panama City Beach Utility Department
5. Perform individual/field meetings with UAOs
6. Collect and review plans and data from UAOs
7. Subordination of easements coordination
8. Verification and review utility markups, work schedules and processing of schedules and agreements
9. Utility constructability reviews with UAOs and City of Panama City Beach Utility Department
10. Contract plans to UAOs

8.0 STRUCTURAL DESIGN (MISC STRUCTURES) - \$16,473.00

Structural Analysis and Design

1. Analysis and design of cross-drains and mast arms
2. Preparation of mast arm data table plan sheets
3. Prepare 60%, 90% and 100% structural design in accordance with FDOT and City Design Standards
4. Quality Assurance/Quality Control
5. Develop engineer cost opinion
6. Preparation of bid documents and specifications

9.0 LANDSCAPE ARCHITECT ANALYSIS AND PLANS - \$46,667.00

Analysis and Design - Segment 4.2 & Round About (Front Beach Road/Lantana St/Hutchison Blvd)

1. Data collection
2. Site inventory and analysis
3. Planting design
4. Irrigation design
5. Hardscape design
6. Plan summary boxes
7. Field reviews
8. Attend technical meetings/public meetings (as needed)
9. Develop key sheet, tabulation of quantities and general notes applicable landscape design
10. Prepare planting plans for linear roadway project along Segment 4.2
11. Prepare planting details and notes
12. Prepare irrigation details and notes
13. Develop hardscape plans in accordance with the City of Panama City Beach CRA Design Guidelines
14. Develop landscape cost opinion
15. Develop drainage plans consistent with design modifications and alternate stormwater facility locations
16. Develop engineer cost opinion
17. Quality assurance/quality control review
18. Preparation of bid documents and specifications

10.0 SIGNALIZATION ANALYSIS AND PLANS - \$107,930.46

Signalization Analysis – (Gortemoller Engineering, Inc. \$63,325.00 and FTE \$44,605.46)

1. Traffic data collection and analysis (Performed by FTE Estimate @ \$44,605.46)
2. Signal warrant study
3. Systems timing analysis
4. Reference and master signalization design file
5. Reference and master interconnect communications design file
6. Prepare overhead street name sign design
7. Pole elevation analysis
8. Prepare traffic signal operation report
9. Verification of quantities
10. Develop special provisions and modified special provisions
11. Perform queue length analysis
12. Conduct field reviews
13. Attend technical meetings with FDOT Traffic Operations, Gulf Power Company and Maintaining agencies (City of Panama City Beach and Bay County as required)
14. Develop key sheet
15. Prepare tabulation of quantities, general notes and pay item notes
16. Develop plan sheets

17. Develop interconnect plans
18. Develop guide sign worksheet
19. Develop special details
20. Develop Mast arm/monotube tabulation sheet
21. Prepare utility conflict sheet
22. Prepare interim standards
23. Quality assurance/quality control reviews

11.0 SIGNING AND PAVEMENT MARKINGS ANALYSIS AND PLANS - \$117,505.00

Signing and Pavement Marking Analysis – (Gortemoller Engineering, Inc.)

1. Traffic data analysis
2. Reference and master design file
3. Prepare multi-post sign support calculations
4. Sign panel design analysis
5. Verification of quantities
6. Develop special provisions and modified special provisions
7. Perform queue length analysis
8. Conduct field reviews
9. Attend technical meetings as required
10. Develop key sheet
11. Prepare tabulation of quantities, general notes and pay item notes
12. Develop plan sheets
13. Develop typical details
14. Develop guide sign worksheets (8 side roads & Pier Park guide signs)
15. Quality assurance/quality control reviews

12.0 LIGHTING ANALYSIS AND PLANS - \$148,500.00

Lighting Analysis – (Gortemoller Engineering, Inc.)

1. Prepare lighting justification report
2. Prepare lighting design analysis report
3. Voltage drop calculations
4. Reference and master design files
5. Prepare design documentation
6. Verification of quantities
7. Develop engineer cost opinion
8. Develop technical special provisions and modified special provisions
9. Conduct field reviews
10. Attend technical meetings
11. Develop key sheets
12. Prepare tabulation of quantities, general notes and pay item notes
13. Develop pole data, legend and criteria
14. Develop service point details
15. Develop plan sheets
16. Prepare interim standards
17. Quality assurance/quality control reviews

13.0 PERMITTING - \$51,340.00

Regulatory Permitting

1. Florida Department of Environmental Protection (FDEP) Environmental Resource Permit (ERP)
2. Florida Department of Environmental Protection (FDEP) Watermain Extension for PWS
3. Florida Department of Environmental Protection (FDEP) Domestic Wastewater Collection/Trans Permit
4. Florida Department of Transportation (FDOT) Right of Way Use Permit
5. Florida Fish and Wildlife Service (FFWS)
6. U.S. Army Corps of Engineers (USACE) General Permit/Nationwide
7. Permit Application Fees (Includes \$5,000.00 Budget Estimate)

14.0 GEOTECHNICAL ENGINEERING SERVICES - \$24,950.00

Geotechnical Services – (Southern Earth Sciences, Inc.)

1. Dewberry will coordinate geotechnical services required to design and permit the proposed roadway and stormwater treatment facilities/ponds to serve Segment 4.2 along Front Beach Road
2. Roadway borings (Estimate 25) and cores (Estimate 10) to verify soil suitability along the proposed roadway stormwater treatment facilities in accordance with FDOT and the City of Panama City Beach Design Standards
3. Mast Arms SPT/CPT Borings for design of foundations (Estimate Six 35' Borings)
4. Double Ring Infiltrometer (DRI) Testing to serve as design parameters for the proposed stormwater treatment facilities (Estimate 3 DRIs)
5. Verification of soils and seasonal high groundwater tables along the proposed roadway and stormwater treatment facilities
6. Associated lab testing for verification of soil types and stormwater design parameters
7. Engineering evaluation and report

EXCLUSIONS

1. Permit application fees (state and federal agencies)
2. Construction Engineering Inspection Services (CEI)
3. Legal review services for right of way acquisition

FEE ESTIMATE

Professional Services Fees

1. <i>Project Management and Coordination</i>	<i>\$46,316.00</i>
2. <i>Survey – Roadway/Right of Way/SUE</i>	<i>\$145,380.00</i>
3. <i>Roadway Analysis</i>	<i>\$350,694.00</i>
4. <i>Roadway Plans</i>	<i>\$166,865.00</i>
5. <i>Drainage and Stormwater Design</i>	<i>\$184,782.00</i>
6. <i>Drainage and Stormwater Plans</i>	<i>\$84,351.00</i>
7. <i>Utility Coordination and Design</i>	<i>\$59,365.00</i>
8. <i>Structural Design</i>	<i>\$16,473.00</i>
9. <i>Landscape Architectural Analysis and Design</i>	<i>\$46,667.00</i>
10. <i>Signalization Analysis and Design</i>	<i>\$107,930.46</i>
11. <i>Signing and Pavement Marking</i>	<i>\$117,505.00</i>
12. <i>Lighting Analysis and Design</i>	<i>\$148,500.00</i>
13. <i>Permitting</i>	<i>\$51,340.00</i>
14. <i>Geotechnical Engineering Services</i>	<i>\$24,950.00</i>

Total \$1,551,128.46

IN WITNESS WHEREOF, the parties hereto have caused this Task Order to be executed by their undersigned officials as duly authorized.

Dewberry Engineers, Inc.
203 Aberdeen Parkway
Panama City, Florida 32405

CITY OF PANAMA CITY BEACH, FLORIDA
110 S. Arnold Road
Panama City Beach, Florida 32413

By: _____

By: _____

Name: Clifford D. Wilson III, PE.

Name: Tony O'Rourke

Title: Vice President

Title: City Manager

Witnessed: _____

Witnessed: _____

Date: _____

Date: _____

ESTIMATE OF WORK EFFORT AND COST - CRA SEGMENT 4.2 & ROUND ABOUT
SHEET 1

Name of Project: Segment 4.2
County: Bay County
Task Order: TO 20-01

Consultant Name: Dewberry Engineers Inc.
Date: 4/6/2020

Staff Classification	Hours From Summary - Firm	Principal Engineer	Senior Engineer	Engineer	Engineer Intern	Senior Technician	Senior Landscape Architect	Landscape Architect	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	SH By Activity	Salary Cost By Activity	Average Rate Per Task
3. Project General and Project Common Tasks	237	95	95	47	0	0	0	0	0	0	0	0	0	0	237	38,586	\$162.81
4. Roadway Analysis	2,263	226	566	568	679	228	0	0	0	0	0	0	0	2,263	262,834	\$124.98	
5. Roadway Plans	1,036	104	259	258	311	104	0	0	0	0	0	0	0	1,037	128,625	\$125.00	
6a. Drainage Analysis	1,290	129	323	323	387	129	0	0	0	0	0	0	0	1,291	161,372	\$125.00	
6b. Drainage Plans	536	54	134	134	181	54	0	0	0	0	0	0	0	537	67,131	\$125.01	
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	373	37	93	93	112	37	0	0	0	0	0	0	0	372	48,470	\$124.92	
9. Structures - Misc. Tasks, Dwg. Non-Tech.	20	2	5	5	6	2	0	0	0	0	0	0	0	20	2,500	\$124.99	
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
18. Structures - Miscellaneous	112	11	28	28	34	11	0	0	0	0	0	0	0	112	13,973	\$124.76	
19. Signling & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
20. Signling & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
25. Landscape Architecture Analysis	217	0	0	0	87	0	65	65	0	0	0	0	0	217	21,728	\$100.13	
26. Landscape Architecture Plans	264	0	0	0	132	0	53	79	0	0	0	0	0	264	24,949	\$94.50	
Total Staff Hours	6,348	658	1,503	1,455	1,909	563	118	144	0	0	0	0	0	6,350	\$789,167	\$124.28	
Total Staff Cost	\$122,388.00	\$249,122.25	\$160,050.00	\$165,128.50	\$64,745.00	\$16,933.00	\$10,800.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$789,167	\$124.28	

SALARY RELATED COSTS		Check #	\$789,167.5
SUBTOTAL ESTIMATED FEE:			\$789,167.5
Internal Dept:	Survey		\$145,300.00
Subconsultant:	Gortemoller Engineering Inc. [Task 19 - 24] Includes Round About		\$547,025.00
Subconsultant:	Florida Transportation Engineers (Task 21) Includes Round About		\$46,565.46
Subconsultant:	Southern Earth (Geotechnical) Includes Round About		\$24,950.00
Total:			\$1,551,128.46

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.

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT (GORTMOLLER ENGINEERING & FTE)
SHEET 2

Name of Project: Segment 4.2
 County: Panama City Beach/Bay County
 Consultant Name: Dewberry Engineers Inc.
 FPN: TO 20-01
 Date: 4/6/2020
 FAP No.:

Staff Classification	Total Staff Hours From 'S' Summary Firm'	Senior Engineer	Senior Project	Engineer	Engineer Intern	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	SH By Activity	Salary Cost By Activity	Average Rate Per Task
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	474	71	119	190	95	0	0	0	0	0	0	0	475	\$59,365	\$124.98	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
9. Structures - Misc. Tasks, Dwg, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
18. Structures - Miscellaneous	591	118	236	177	59	0	0	0	0	0	0	0	590	\$80,535	\$136.50	#DIV/0!
19. Signing & Pavement Marking Analysis	144	14	43	58	29	0	0	0	0	0	0	0	144	\$17,670	\$122.71	#DIV/0!
20. Signing & Pavement Marking Plans	344	69	138	103	34	0	0	0	0	0	0	0	344	\$48,995	\$136.61	#DIV/0!
21. Signalization Analysis	133	13	40	53	27	0	0	0	0	0	0	0	133	\$16,330	\$122.78	#DIV/0!
22. Signalization Plans	654	131	262	196	65	0	0	0	0	0	0	0	654	\$86,310	\$132.56	#DIV/0!
23. Lighting Analysis	220	22	66	88	44	0	0	0	0	0	0	0	220	\$27,060	\$123.00	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
Total Staff Hours	2,560	438	904	865	353	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	2,560	\$337,265.00	\$131.74
Total Staff Cost	\$81,020.00	\$131,080.00	\$95,150.00	\$30,005.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	2,560	\$337,265.00	\$131.74

SALARY RELATED COSTS:	
SUBTOTAL ESTIMATED FEE:	\$337,265.00
FTE Traffic Analysis	\$44,605.46
GRAND TOTAL ESTIMATED FEE:	\$381,870.46

1. This sheet to be used by Subconsultant to calculate its fee.

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT (GORTEMOLLER ENGINEERING & FTE)
SHEET 3

Name of Project: Round About (Front Beach Road/Lantiana Street/Hutchison Blvd)
 County: Bay County
 Project Name: CRA Segment 4.2 (Round About) - East Termini

Consultant Name: Dewberry Engineers Inc.
 Consultant No.: TO 20-01
 Date: 4/6/2020

Staff Classification	Total Staff Hours From SH Summary Form*	Senior Engineer	Senior Project	Engineer	Engineer Intern	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Safety Cost By Activity	SH By Activity	Average Rate Per Task	
		\$1,955.00	\$145.00	\$11,100.00	\$45.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	61	\$126.72	
3. Project General and Project Common Tasks	62	12	12	25	12	0	0	0	0	0	0	0	0	0	0	0	0	\$7,730			
4. Roadway Analysis	580	58	116	232	174	0	0	0	0	0	0	0	0	0	0	0	0	\$57,850	580	\$117.00	
5. Roadway Plans	303	30	91	121	61	0	0	0	0	0	0	0	0	0	0	0	0	\$37,240	303	\$122.90	
6a. Drainage Analysis	186	20	49	69	59	0	0	0	0	0	0	0	0	0	0	0	0	\$23,410	187	\$118.83	
6b. Drainage Plans	141	14	42	56	28	0	0	0	0	0	0	0	0	0	0	0	0	\$17,220	140	\$123.00	
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
8. Environmental Permits, Compliance & Clearances	39	4	12	14	10	0	0	0	0	0	0	0	0	0	0	0	0	\$4,870	40	\$121.75	
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
19. Signing & Pavement Marking Analysis	98	10	29	29	29	0	0	0	0	0	0	0	0	0	0	0	0	\$11,710	87	\$120.72	
20. Signing & Pavement Marking Plans	66	7	13	20	28	0	0	0	0	0	0	0	0	0	0	0	0	\$7,590	66	\$115.00	
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
23. Lighting Analysis	169	17	51	51	51	0	0	0	0	0	0	0	0	0	0	0	0	\$20,485	170	\$120.50	
24. Lighting Plans	102	10	20	31	41	0	0	0	0	0	0	0	0	0	0	0	0	\$11,645	102	\$114.17	
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		#DIV/0!	
Total Staff Hours	1,756	102	426	648	481	0	0	0	0	0	0	0	0	0	0	0	0	\$299,760.00	1,756	\$119.45	
Total Staff Cost		\$33,670.00	\$63,075.00	\$71,280.00	\$41,795.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$299,760.00	Check =	\$329,760.00

SALARY RELATED COSTS:			\$209,760.00
SUBTOTAL ESTIMATED FEE:			\$209,760.00
Geotechnical Field and Lab Testing Included Previously			\$0.00
SUBTOTAL ESTIMATED FEE:			\$209,760.00
FTE Traffic Counts			\$1,980.00
TOTAL FEE (Round About):			\$211,740.00

Notes:
 1. This sheet to be used by Subconsultant to calculate its fee.