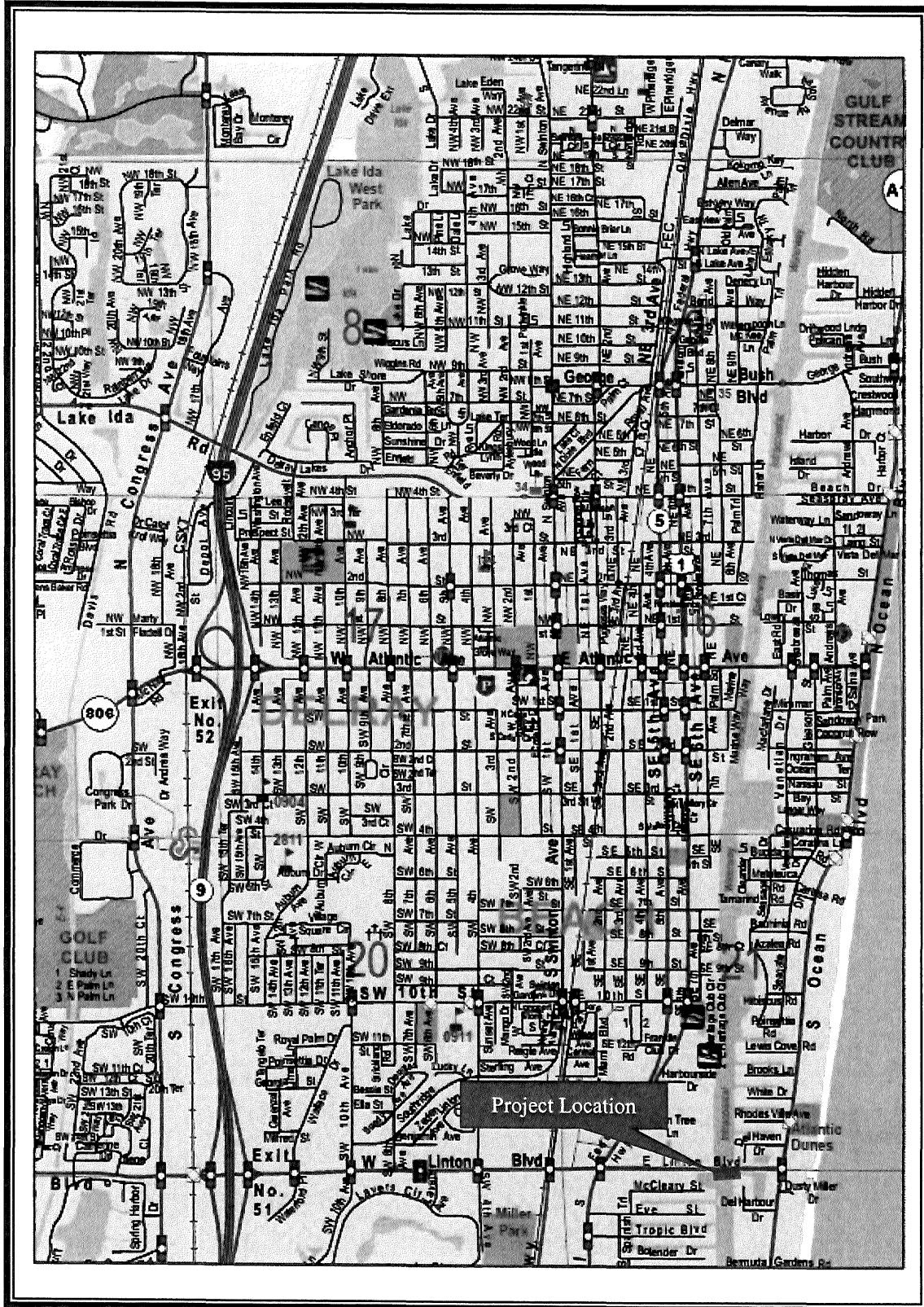


PROJECT LOCATION

LINTON BOULEVARD BASCULE BRIDGE

PROJECT NO. 2020600



LOCATION MAP

**WORK TASK ORDER TO THE
ANNUAL STRUCTURAL ENGINEERING PROFESSIONAL SERVICES CONTRACT
BY AND BETWEEN PALM BEACH COUNTY
AND R.J. BEHAR & COMPANY, INC. FOR
LINTON BOULEVARD BASCULE BRIDGE
PROJECT # 2020600**

This Work Task Order to the Contract for Annual Structural Engineering Professional Services (R2020-0548) dated June 2, 2020 (ANNUAL CONTRACT), is made and entered into the _____ day of _____, 20____, by and between Palm Beach County, a political subdivision of the State of Florida, by and through its Board of County Commissioners (COUNTY) and R.J. Behar & Company, Inc. (CONSULTANT) a Florida for profit company whose Federal ID is 65-0954070 (individually Party and collectively Parties).

WITNESSETH

WHEREAS, the COUNTY and CONSULTANT entered into the ANNUAL CONTRACT on a work task order basis on June 2, 2020 (R2020-0548);

WHEREAS, the COUNTY intends to replace and upgrade the existing bridge railing on the **Linton Boulevard Bascule Bridge**, Project No. **2020600** (PROJECT); and

WHEREAS, the COUNTY desires the CONSULTANT to perform design services for the PROJECT; and

WHEREAS, the CONSULTANT agrees to prepare the design plans and construction bid documents, including related documents required for the PROJECT; and

WHEREAS, the following fee has been negotiated and found to be reasonable compensation for these professional services to be performed by the CONSULTANT:

Basic Services in a lump sum fee of \$174,367.97
Reimbursable Expenses capped at \$0.00
Optional Services capped at \$21,837.05
Totaling **\$196,205.02**

NOW, THEREFORE, THIS INDENTURE WITNESSETH: That for and in consideration of the mutual benefits to flow from each to the other, the Parties hereto agree as follows:

The above recitals are true and correct and are incorporated herein.

The following Exhibits are attached to and made a part of this Work Task Order.

Exhibit A - Scope of Work including Work Schedule

Exhibit B - Fee Schedule

Exhibit C – OEBO Schedules 1 and 2

The COUNTY agrees to pay the CONSULTANT a fee of One Hundred Ninety Six Thousand Two Hundred Five Dollars and Two Cents (\$196,205.02) for this Work Task Order.

REMAINDER OF PAGE LEFT BLANK INTENTIONALLY

IN WITNESS WHEREOF, the Board of County Commissioners of Palm Beach County, Florida has made and executed this Work Task Order for the PROJECT, pursuant to the ANNUAL CONTRACT, as amended, on behalf of the COUNTY, and CONSULTANT has hereunto set its hand the day and year above written.

OWNER:
Palm Beach County, a Political Subdivision of the State of Florida, by and through its Board of County Commissioners:

CONSULTANT:
R.J. Behar & Company, Inc.

BY: _____
Dave Kerner, Mayor

BY: *R. J. Behar*
Robert J. Behar, P.E., President

SEAL

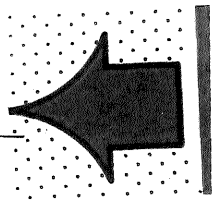
CORPORATE SEAL

ATTEST: Joseph Abruzzo, Clerk
~~Sharon R. Bock, Clerk & Comptroller~~
Circuit Court of the Circuit Court
Comptroller

ATTEST WITNESS:

BY: _____
(Deputy Clerk)

BY: Dereth Behar
(Print Name)
Dereth Behar
(Signature)



APPROVED AS TO TERMS AND CONDITIONS:

BY: Lizanna Kadir
(Print Name)

BY: *Morton L. Rose*
Morton L. Rose, P.E.
Director of Roadway Production

Lizanna Kadir
(Signature)

APPROVED AS TO FORM & LEGAL SUFFICIENCY:

BY: *Yelizaveta B. Herman*
Yelizaveta B. Herman,
Assistant County Attorney

SCOPE & FEE PROPOSAL

For

LINTON BLVD. BASCULE BRIDGE

*Scope & Fee OK
DJY
10-7-20*

PALM BEACH CO. PROJECT NO. 2020600

For

PALM BEACH COUNTY

Prepared By:

R.J. BEHAR & COMPANY, INC.

April 29, 2020

Revised Date: October 5, 2020

**Linton Blvd. Bascule Bridge
Palm Beach County Project No. 2020600
SCOPE OF SERVICES**

1.0 PROJECT DESCRIPTION

- 1.1** Palm Beach County's Road and Bridge Division has determined to replace and upgrade the existing bridge railing at the Linton Blvd Bascule Bridge in Delray Beach, Florida. Please refer to Exhibit A, at the end of the scope of service, for reference location map and project aerial.

2.0 BASIS OF SCOPE

2.1 Bridge Inspection and Evaluation

An inspection will be conducted to evaluate the actual condition and as-built dimensions of the sidewalk brackets. PBC Road and Bridge Division will provide an underbridge inspection vehicle for this inspection. Also, the offset of the existing barrier to the main girder will be measured to ensure that the proposed barrier will not be in conflict with the bridge tender's house when the bridge is opened.

2.2 Bridge Load Rating and Special Inspection

A new load rating and special inspection will need to be done for the bascule bridge. The bridge load rating is more than 30 years old and hasn't been updated. FDOT Structural Design Guidelines considered it appropriate that the bridge rehabilitation projects should update the existing load rating to the current design specification. This effort requires to perform a structural analysis of each member that is being rated to calculate the loads and capacity.

Also, according to the more recent bridge inspection report, corrosion has developed during these past 30 years. Due to the potential extent of the corrosion on the main structural elements, a special inspection will be necessary to help guide the design of the proposed railing system. This work will be subcontracted to Hardesty and Hanover.

2.3 Bridge Balance Test and Analysis

To prevent the Contractor from claiming that the bridge is out of balance while he is maintaining it during construction, a balance test and analysis will be performed at the end of the design phase. A second balance test and analysis will be performed after the new railing is installed during the construction. This work will be subcontracted to Hardesty and Hanover.

2.4 Bridge Railings Design

The proposed railing system and sidewalk brackets will weigh less than the existing to avoid strengthening of the existing main girders. To ensure that the proposed railing system and sidewalk brackets will weigh less than the existing, we will use the VGAN 300 series aluminum traffic railing by Varley and Gulliver Ltd. Also, a sidewalk top surface of aluminum plate (1/2" thick) with a roughened (gritty) top surface plate, will be used. New sidewalk brackets will be designed that fit the proposed railing. All three existing sidewalk stingers will be replaced.

The Bridge railing design will be developed in accordance with Palm Beach County Thoroughfare Road Design Procedures for Bridge; including the preparation of construction contract documents to be submitted to the County for review, at the appropriate design phase, tentatively according to our proposed schedule (see Section 4.0 – Proposed Schedule).

2.5 Roadway Design

2.5.1 **Maintenance of Traffic:** Traffic control notes will be developed for the project. It is anticipated that only one lane of Linton Blvd roadway will be closed at the time during the construction.

2.5.2 **Utilities:** There were no utilities identified in the construction area. Utility coordination will be not be required.

2.6 Permitting: This scope of service assumes that the project will be **exempt** from permit requirements from SFWMD and will only require a USCG Bridge Permit and USACE Nationwide permit. Since the proposed impacts will be contained to minor construction impacts, inside the proposed right-of-way, no other permits will be required.

2.7 Coordination: RJ Behar will attend all appropriate meetings in support of project requirements, meetings with Permitting Agencies and Palm Beach County's other involved Departments, including Road and Bridge, and Traffic. We also anticipate plans review and other meetings with the Palm Beach County. These meetings and coordination efforts have been identified in the attached staff hour distributions.

2.8 Post Design Services: RJ Behar will provide post design services to assist the County's Construction management group, during construction. A detailed proposal will be submitted during the design phase and has been considered as an optional service.

3.0 FEE PROPOSAL

The cost breakdown for each task is attached.

4.0 PROPOSED SCHEDULE

The proposed schedule is based on Palm Beach County's bridge maintenance and upgrade program. The schedule of plan delivery is based on input from the project scoping meeting and the County's priorities. We would certainly be happy to discuss any modification to the proposed schedule in order to better meet the County's needs.

The schedule of activities will follow:

1. Perform bridge inspection and evaluation.
2. Prepare & submit bridge inspection and evaluation report.
3. 35% plans and submittal (submittal to be of sufficient detail for 35% plans)
 - a) Client review
 - b) Update plans per review comments
4. 65% plans and submittal (submittal to be of sufficient detail for 65% plans & permit submittal)
 - a) Client review
 - b) Update plans per review comments
5. 96% plans and submittal
 - a) Perform Bridge Balancing Test by H&H
 - b) Client review
 - c) Update plans per review comments
6. Prepare and submit 100% plans, Specifications Package, Estimate and Contract Documents
 1. Client review
 2. Update plans, specifications and contract package per review comments
7. Prepare and submit corrected Final plans, Specifications Package, Estimate and Contract Documents

As illustrated in Exhibit B, the delivery of contract documents should require 16 months from Notice to proceed. The project schedule will be revised in accordance to the agreed schedule of delivery before conclusion of contract negotiations and notice to proceed.

LOCATION MAP

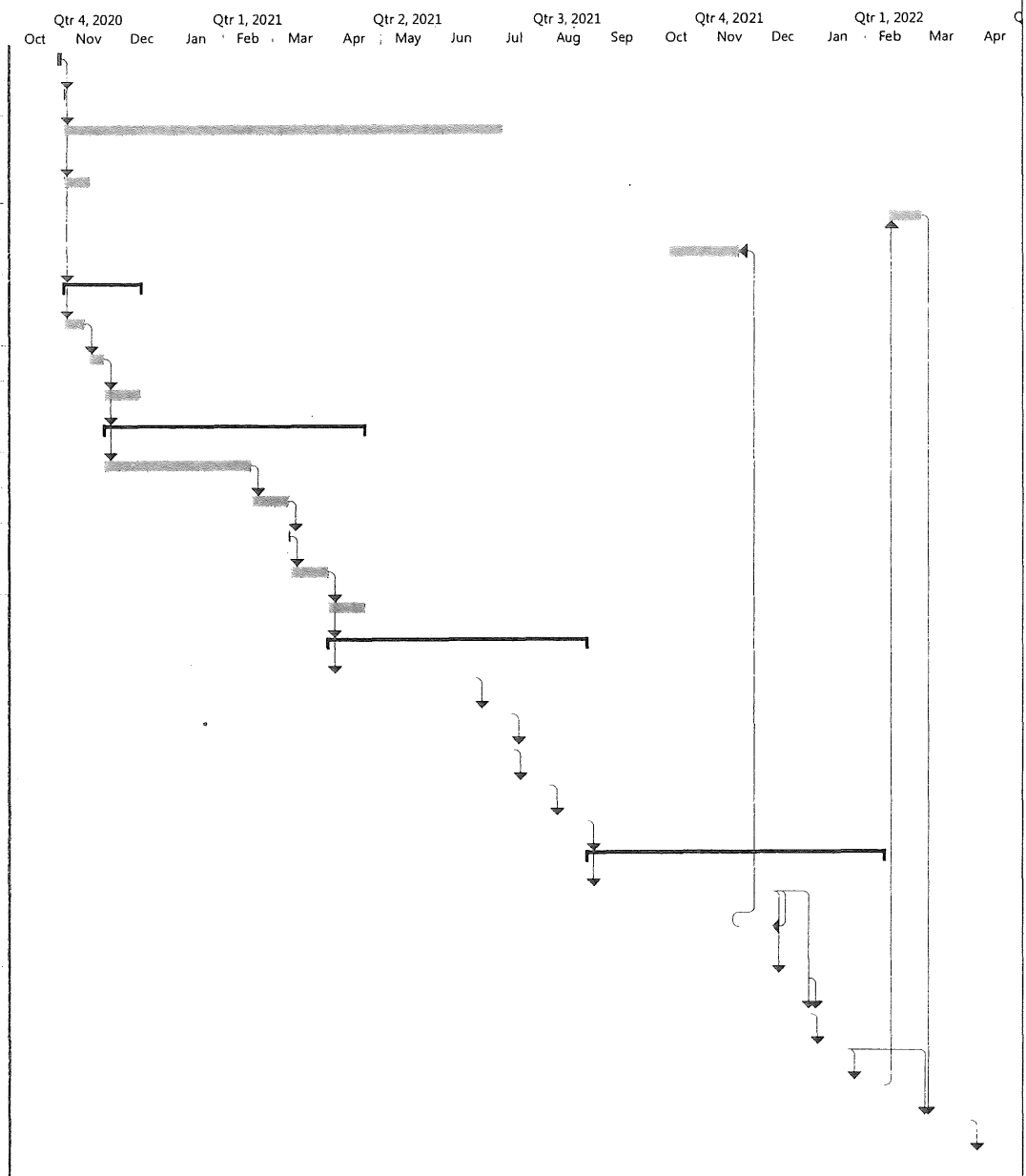
Legend

Linton Blvd. Bascule Bridge



DESIGN SCHEDULE

ID	Task Name	Duration	Start	Finish	Predecessors
1	Notice To Proceed	1 day	Fri 10/30/20	Fri 10/30/20	
2	Project Schdule Update	1 day	Mon 11/2/20	Mon 11/2/20	1
3	Bridge Permits Process & Coordination	180 days	Mon 11/2/20	Fri 7/9/21	1
4	Bridge Special Inspection	11 days	Mon 11/2/20	Mon 11/16/20	1
5	Bridge Load Rating	15 days	Mon 2/14/22	Fri 3/4/22	29
6	Bridge Balance Testing	29 days	Tue 10/12/21	Mon 11/22/21	25SF
7	Bridge Inspection & Evaluation	32 days	Mon 11/2/20	Tue 12/15/20	1
8	Perform Inspection	10 days	Mon 11/2/20	Fri 11/13/20	1
9	Prepare Inspection Report	7 days	Mon 11/16/20	Tue 11/24/20	8
10	PBC Review & Comments	15 days	Wed 11/25/20	Tue 12/15/20	9
11	35 % Submittal	106 days	Wed 11/25/20	Wed 4/21/21	9
12	35% Plans & Design	60 days	Wed 11/25/20	Tue 2/16/21	9
13	Quality Control Review	15 days	Wed 2/17/21	Tue 3/9/21	12
14	35% Design Submittal	1 day	Wed 3/10/21	Wed 3/10/21	13
15	PBC Review & Comments	15 days	Thu 3/11/21	Wed 3/31/21	14
16	Respond PBC Comments	15 days	Thu 4/1/21	Wed 4/21/21	15
17	65% Submittal	106 days	Thu 4/1/21	Thu 8/26/21	15
18	65% Plans & Design	60 days	Thu 4/1/21	Wed 6/23/21	15
19	Quality Control Review	15 days	Thu 6/24/21	Wed 7/14/21	18
20	65% Design Submittal	1 day	Thu 7/15/21	Thu 7/15/21	19
21	PBC Review & Comments	15 days	Fri 7/16/21	Thu 8/5/21	20
22	Respond PBC Comments	15 days	Fri 8/6/21	Thu 8/26/21	21
23	96% Submittal	121 days	Fri 8/27/21	Fri 2/11/22	22
24	96% Plans & Design	75 days	Fri 8/27/21	Thu 12/9/21	22
25	Incorporate Balance Testing Recommendations	14 days	Mon 11/22/21	Thu 12/9/21	24FF
26	Quality Control Review	15 days	Fri 12/10/21	Thu 12/30/21	24
27	96% Design Submittal	1 day	Fri 12/31/21	Fri 12/31/21	24,26
28	PBC Review & Comments	15 days	Mon 1/3/22	Fri 1/21/22	27
29	Respond PBC Comments	15 days	Mon 1/24/22	Fri 2/11/22	28
30	100% Submittal	20 days	Mon 3/7/22	Fri 4/1/22	28,5
31	Corrected Final Submittal	3 days	Mon 4/4/22	Wed 4/6/22	30



Project: Linton Blvd. Bascule Br Date: 4/2/20 Revised Date: 10/5/20	Task	Inactive Task	Manual Summary Rollup	External Milestone
	Split	Inactive Milestone	Manual Summary	Deadline
	Milestone	Inactive Summary	Start-only	Progress
	Summary	Manual Task	Finish-only	Manual Progress
	Project Summary	Duration-only	External Tasks	

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Linton Blvd. Bacule Bridge
 County: Palm Beach
 FPN: N/A
 FAP No.: None

Consultant Name: R. J. Behar & Company, Inc
 Consultant No.:
 Date: 5/7/2020 Revised Date: 10/05/2020
 Estimator: Jose A. Pena Ramos

Staff Classification	Hours From "SH Summary - Firm"	Project Manager	Senior Engineer	Engineer	CADD Technician	Special Inspector	Threshold Inspector	Chief Designer	Engr Technician	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$64.07	\$68.67	\$48.84	\$36.42	\$63.71	\$54.86	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
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!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, Compliance & Clearance	52	3	8	23	18	0	0	0	0	0	0	0	0	52	\$2,520	\$48.47
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	142	7	21	64	50	0	0	0	0	0	0	0	0	142	\$6,837	\$48.15
10. Structures - Bridge Development Report	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	#DIV/0!
12. Structures - Short Span Concrete Bridge	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	#DIV/0!
14. Structures - Structural Steel Bridge	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	#DIV/0!
16. Structures - Movable Span	472	24	47	236	165	0	0	0	0	0	0	0	0	472	\$22,301	\$47.25
17. Structures - Retaining Walls	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	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	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	#DIV/0!
22. Signalization Plans	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	#DIV/0!
24. Lighting Plans	0	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	\$0	#DIV/0!
26. Landscape Architecture Plans	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	#DIV/0!
28. Photogrammetry	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	#DIV/0!
30. Terrestrial Mobile LIDAR	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	#DIV/0!
32. Noise Barriers Impact Design Assessment	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	#DIV/0!
34. Intelligent Transportation Systems Plans	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	#DIV/0!
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	666	34	76	323	233	0	0	0	0	0	0	0	0	666		
Multiplier		2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94			
Total Staff Cost		\$6,404.44	\$15,343.62	\$46,379.44	\$24,948.43										\$93,075.93	\$139.75

Survey Field Days by Subconsultant
 4 - Person Crew:

- 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:			\$93,075.93
OVERHEAD:	0%		\$0.00
OPERATING MARGIN:	0%		\$0.00
FCCM (Facilities Capital Cost Money):	0.00%		\$0.00
EXPENSES:	0.50%		\$465.38
Survey (Field - if by Prime)	0	4-person crew days @ \$ / day	\$0.00
SUBTOTAL ESTIMATED FEE:			\$93,541.31
Subconsultant: Hardesty & Hanover, LLC			\$80,826.66
Subconsultant: Sub 2			\$0.00
Subconsultant: Sub 3			\$0.00
Subconsultant: Sub 4			\$0.00
Subconsultant: Sub 5			\$0.00
Subconsultant: Sub 6			\$0.00
Subconsultant: Sub 7			\$0.00
Subconsultant: Sub 8			\$0.00
Subconsultant: Sub 9			\$0.00
Subconsultant: Sub 10			\$0.00
Subconsultant: Sub 11			\$0.00
Subconsultant: Sub 12			\$0.00
SUBTOTAL ESTIMATED FEE:			\$174,367.97
Geotechnical Field and Lab Testing			\$0.00
SUBTOTAL ESTIMATED FEE:			\$174,367.97
Optional Services			\$21,837.05
GRAND TOTAL ESTIMATED FEE:			\$196,205.02

EXHIBIT B - PAGE 1 OF 19

Project Activity 8: Environmental Permits

Estimator:

Linton Blvd. Bascule Bridge

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
	Environmental Permits, Compliances and Clearances					
8.1	Preliminary Project Research	LS	1	0	0	
	Permits					
8.2	Field Work					
8.2.1	Pond Site Alternatives	per pond site	0	0	0	
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	0	0	
8.2.3	Species Surveys	LS	1	0	0	
8.3	Agency Verification of Wetland Data	LS	1	0	0	
8.4	Complete And Submit All Required Permit Applications					
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	0	0	
8.4.2	Complete and Submit All Required Species Permit Applications	LS	1	0	0	
8.5	Prepare USACE Permit Application	LS	1	10	10	Includes QC & Supervision. Also includes changes due to review comments.
8.6	Prepare USCG Permit Application	LS	1	30	30	Includes QC & Supervision. Also includes changes due to review comments and required drawings (8 1/2"x11").
8.7	Prepare Water Management District or Local Water Control District Right of Way Occupancy Permit Application	LS	1	0	0	
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	
8.9	Prepare Tree Permit Information	LS	1	0	0	
8.10	Compensatory Mitigation Plan	LS	1	0	0	

EXHIBIT B - PAGE 2 OF 19

Project Activity 8: Environmental Permits

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.11	Mitigation Coordination and Meetings	LS	1	0	0	
8.12	Other Environmental Permits	LS	1	0	0	
	Environmental Clearances/Reevaluations					
8.13	Technical support to Department for Environmental Clearances and Reevaluations (use when consultant provides technical support only)					
8.13.1	NEPA or SEIR Reevaluation	LS	1	0	0	
8.13.2	Archaeological and Historical Features	LS	1	0	0	
8.13.3	Wetland Impact Analysis	LS	1	0	0	
8.13.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.13.5	Protected Speices and Habitat Impact Analysis	LS	1	0	0	
8.14	Preparation of Environmental Clearances and Reevaluations (use when consultant prepares all documents associated with reevaluation)					
8.14.1	NEPA or SEIR Reevaluation	LS	1	0	0	
8.14.2	Archaeological and Historical Features	LS	1	0	0	
8.14.3	Wetland Impact Analysis	LS	1	0	0	
8.14.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.14.5	Protected Species and Habitat Impact Analysis	LS	1	0	0	
8.15	Contamination Impact Analysis	LS	1	0	0	
8.16	Asbestos Survey	LS	1	0	0	
	Environmental Permits, Compliance, and Clearances/Reevaluations Technical Subtotal				40 ✓	
8.17	Technical Meetings	LS	1	12	12	Meetings are listed below
8.18	Quality Assurance/Quality Control	LS	%	0%	0	
8.19	Supervision	LS	%	0%	0	
	Environmental Permits, Compliance and Clearances Nontechnical Subtotal				12 ✓	
8.20	Coordination	LS	%	0%	0	

Project Activity 8: Environmental Permits

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8. Environmental Permits, Compliance and Clearances Total					52 ✓	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
WMD	EA	0	0	0			0
NMFS	EA	0	0	0			0
USACE	EA	1	6	6	Coordination meeting		0
USCG	EA	1	6	6	Coordination meeting		0
USFWS	EA	0	0	0			0
FFWCC	EA	0	0	0			0
FDOT	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				12		Subtotal Project Manager Meetings	0
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>		--
Total Meetings				12 ✓		Total Project Manager Meetings (carries to Tab 3)	0

Carries to 8.18

Carries to Tab 3

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Estimator:

Linton Blvd. Bascule Bridge

N/A

Representing	Print Name	Signature / Date
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	1	6.5	1	6.5					
9.2	Project Layout	Sheet	0	0	0	0					
9.3	General Notes and Bid Item Notes	Sheet	1	20	1	20					
9.4	Miscellaneous Common Details	Sheet	0	0	0	0					
9.5	Prepare Report of Bridge Inspection	Sheet	1	24	0	24					
9.6	Standard Plans- Bridges	LS	0	0		0					
9.7	Existing Bridge Plans	LS	1	6.5	24	6.5					
9.8	Assemble Quantities	LS	1	12		12					
9.9	Cost Estimate	LS	1	7		7					
9.10	Technical Special Provisions and Modified Special Provisions	LS	1	0		0					
Structures - Summary and Miscellaneous Tasks and Drawings					26 ✓	76 ✓					
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	472	0	0	0	0	0	0	472		
10-16	Bridge 2	0									
10-16	Bridge 3	0									
10-16	Bridge 4	0									
10-16	Bridge 5	0									

EXHIBIT B - PAGE 5 OF 19

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

10-16	Bridge 6	0									
10-16	Bridge 7	0									
10-16	Bridge 8	0									
10-16	Bridge 9	0									
10-16	Bridge 10	0									
17	Retaining Walls	0								0	
18	Miscellaneous Structures	0									0
Structures Technical Subtotal		472	0	0	0	0	0	0	0	472	0
Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments					
9.11	Field Reviews	LS	1	46	46	Conduct three site visits (5 hrs per day) and one inspection truck (8hrs) with two men. 3x5Hrs*2Men + 1*8Hrs*2Men = 46 Hours.					
9.12	Technical Meetings	LS	1	12	12	Meetings are listed below					
9.13	Quality Assurance/Quality Control	LS	%	0%	0	QC is included in all of the above hours					
9.14	Independent Peer Review	LS	1	0	0						
9.15	Supervision	LS	%	0%	0	Supervision is included in all of the above hours					
Structures Nontechnical Subtotal					58						
9.16	Coordination	LS	1	8	8	Coordination with H&H for balancing issues = 4 hrs Coordination with Road & Bridge for maintenance issues = 4 hrs					
9. Structures - Summary and Miscellaneous Tasks and Drawings					142	✓					

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
65% & 96% Comment Review	EA	2	4	8	In-person meetings (65 & 96%) with PBC to discuss comments & others issues.		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	1	4	4			0

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Subtotal Technical Meetings				12					0
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>				--
Total Meetings				12 ✓	Total Project Manager Meetings (carries to Tab 3)				0

Carries to 9.11

Carries to Tab 3

Project Activity 16: Structures- Movable Span

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
16.18	Pier Equipment	Sheet	0	0	0	0	
16.19	Bascule Pier Notes and Summary of Quantities	Sheet	0	0	0	0	
16.20	Miscellaneous Details	Sheet	0	0	0	0	
Bascule Leaf Design							
16.21	Deck Design	LS	1	0		0	
16.22	Sidewalk Design	LS	1	24		24	Includes sidewalk plate & supports.
16.23	Stringer Design	LS	1	30		30	Includes bolt connection to sidewalk bracket.
16.24	Typical Floorbeam Design	LS	1	0		0	
16.25	End Floorbeam Design	LS	1	0		0	
16.26	Deep Floorbeam Design	LS	1	0		0	
16.27	Sidewalk Bracket Design	LS	1	26		26	Included bolt connection to main girder.
16.28	Roadway Bracket Design	LS	1	0		0	
16.29	Main Girder Influence Lines	LS	1	0		0	
16.30	Main Girder Design	LS	1	0		0	
16.31	Trunnion Girder Design	LS	1	0		0	
16.32	Main Girder Camber Data	LS	1	0		0	
16.33	Leaf Lateral Bracing Design	LS	1	0		0	
16.34	Counterweight Design	LS	1	0		0	
16.35	Live Load Shoe Design	LS	1	0		0	
16.36	Barrier Design	LS	1	0		0	
16.37	Deck Elevations	LS	1	0		0	
16.38	Balance Calculations	LS	1	0		0	Performed by Subconsultant (H&H)
Bascule Leaf Detailing							
16.39	Bascule GP&E	Sheet	1	48	1	48	
16.40	Bascule Leaf Notes	Sheet	1	10	1	10	
16.41	Framing Plan	Sheet	1	28	1	28	

Project Activity 16: Structures- Movable Span

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
16.42	Flooring Plan and Details	Sheet	1	28	1	28	
16.43	Typical Section	Sheet	2	22	2	44	Existing & proposed section through bascule leaf.
16.44	Girder Elevation	Sheet	0	0	0	0	
16.45	Girder Details	Sheet	0	0	0	0	
16.46	Camber Layout	Sheet	0	0	0	0	
16.47	Stringer Details	Sheet	2	36	2	72	Includes bolted connection to sidewalk brackets. Also includes special details for first bracket closest to the bascule pier.
16.48	Counterweight Girder/Box	Sheet	0	0	0	0	
16.49	Trunnion Girder	Sheet	0	0	0	0	
16.50	Cylinder Girder	Sheet	0	0	0	0	
16.51	Lateral Bracing Details	Sheet	0	0	0	0	
16.52	Counterweight Bracing Details	Sheet	0	0	0	0	
16.53	Joint Details	Sheet	0	0	0	0	
16.54	Traffic Barrier Details	Sheet	0	0	0	0	
16.55	Pedestrian Rail and Support Details	Sheet	2	36	2	72	Includes site specific VGAN 300 rail details. Includes extra vertical member to close gap to 4" max (same as Camino Real Bridge)
16.56	Curb and Sidewalk Details	Sheet	1	18	1	18	Includes rounding top of channel & filling opening per meeting.
16.57	Barrier and Sidewalk Bracket Details	Sheet	2	36	2	72	Includes bolted connection to main girder. Also includes special details for brackte adjacent to rest pier.
16.58	Counterweight Details	Sheet	0	0	0	0	
16.59	Stress Table or Influence Lines	Sheet	0	0	0	0	
Mechanical Design							
16.60	Final Power Requirements	LS	1	0		0	
16.61	Trunnion Assembly	LS	1	0		0	
16.62	Span Locks	LS	1	0		0	
16.63	Sump Pumps	LS	1	0		0	
Mechanical Drive Design							
16.64	Drive Shafts, Couplings, Keys, Bearings and Supports	LS	1	0		0	
16.65	Rack & Pinion, Bearings and Supports	LS	1	0		0	

Project Activity 16: Structures- Movable Span

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
16.66	Drive Train	LS	1	0		0	
16.67	Motor Brakes & Machinery Brakes	LS	1	0		0	
Hydraulic Drive Design							
16.68	Hydraulic Drive	LS	1	0		0	
Machinery Detailing							
16.69	Machinery Layout	Sheet	0	0	0	0	
16.70	Machinery Elevation	Sheet	0	0	0	0	
16.71	Machinery Section	Sheet	0	0	0	0	
16.72	Trunnion Assembly	Sheet	0	0	0	0	
16.73	Drive Details	Sheet	0	0	0	0	
16.74	Span Locks	Sheet	0	0	0	0	
Electrical Design							
16.75	Load Analysis	LS	1	0		0	
16.76	Power Distribution	LS	1	0		0	
16.77	Drive Equipment	LS	1	0		0	
16.78	Bridge Controls	LS	1	0		0	
16.79	Grounding	LS	1	0		0	
16.80	Lightning and Surge Suppression	LS	1	0		0	
16.81	Pier Lighting	LS	1	0		0	
Electrical Detailing							
16.82	Electrical Plan and Elevation	Sheet	0	0	0	0	
16.83	Electrical Symbols and Abbreviations	Sheet	0	0	0	0	
16.84	Single/Three Line Diagram	Sheet	0	0	0	0	
16.85	Panelboard and Light Fixture Schedules	Sheet	0	0	0	0	
16.86	Wire and Conduit Schedules and Diagrams	Sheet	0	0	0	0	
16.87	Control Desk/Panel Layout	Sheet	0	0	0	0	
16.88	Control Schematics	Sheet	0	0	0	0	

Project Activity 16: Structures- Movable Span

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
16.89	PLC Logic	Sheet	0	0	0	0	
16.90	Communication System	Sheet	0	0	0	0	
16.91	Navigation Lighting Details	Sheet	0	0	0	0	
16.92	Pedestrian Gate, Traffic Gate and Barrier Details	Sheet	0	0	0	0	
16.93	Submarine Cable	Sheet	0	0	0	0	
16.94	Miscellaneous Details	Sheet	0	0	0	0	
Control House							
16.95	Architectural Design	LS	1	0		0	
16.96	Architectural Details	Sheet	0	0	0	0	
16.97	Structural Design	LS	1	0		0	
16.98	Structural Details	Sheet	0	0	0	0	
16.99	HVAC/Plumbing Design	LS	1	0		0	
16.100	HVAC/Plumbing/Electrical Cables	Sheet	0	0	0	0	
Reinforcing Bar Lists							
16.101	Preparation of Reinforcing Bar List	Sheet	0	0	0	0	
Load Rating							
16.102	Load Ratings	LS	1	0		0	It will be performed by H&H
16. Structures - Movable Span Total					13	472	✓

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

OPTIONAL SERVICES

Name of Project: Linton Blvd Bacule Bridge
 County: Palm Beach
 FPN: N/A
 FAP No.: None

Consultant Name: R.J. Behar & Company, Inc.
 Consultant No.:
 Date: 10/2/2020
 Estimator: Jose A. Pena Ramos

Staff Classification	Hours From "SH Summary - Firm"	Project Manager	Senior Engineer	Engineer	CADD Technician	Special Inspector	Threshold Inspector	Chief Designer	Engr Technician	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
3. Project General and Project Common Tasks	132	7	46	73	7	0	0	0	0	0	0	0	0	133	\$7,428	\$55.85
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!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, Compliance & Clearance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech	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	#DIV/0!
11. Structures - Temporary Bridge	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	#DIV/0!
13. Structures - Medium Span Concrete Bridge	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	#DIV/0!
15. Structures - Segmental Concrete Bridge	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	#DIV/0!
17. Structures - Retaining Walls	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	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	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	#DIV/0!
22. Signalization Plans	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	#DIV/0!
24. Lighting Plans	0	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	\$0	#DIV/0!
26. Landscape Architecture Plans	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	#DIV/0!
28. Photogrammetry	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	#DIV/0!
30. Terrestrial Mobile LIDAR	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	#DIV/0!
32. Noise Barriers Impact Design Assessment	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	#DIV/0!
34. Intelligent Transportation Systems Plans	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	#DIV/0!
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	132	7	46	73	7	0	0	0	0	0	0	0	0	133		
Multiplier		2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94			
Total Staff Cost		\$1,318.56	\$9,286.93	\$10,482.04	\$749.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$21,837.05	\$164.19

Survey Field Days by Subconsultant
 4 - Person Crew.

Notes:

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

SALARY RELATED COSTS:		Check =	\$21,837.05
OVERHEAD:	0%		\$0.00
OPERATING MARGIN:	0%		\$0.00
FCCM (Facilities Capital Cost Money):	0.00%		\$0.00
EXPENSES:	0.00%		\$0.00
Survey (Field - If by Prime)	0 4-person crew days @ \$ / day		\$0.00
SUBTOTAL ESTIMATED FEE:			\$21,837.05
Subconsultant: Sub1			\$0.00
Subconsultant: Sub 2			\$0.00
Subconsultant: Sub 3			\$0.00
Subconsultant: Sub 4			\$0.00
Subconsultant: Sub 5			\$0.00
Subconsultant: Sub 6			\$0.00
Subconsultant: Sub 7			\$0.00
Subconsultant: Sub 8			\$0.00
Subconsultant: Sub 9			\$0.00
Subconsultant: Sub 10			\$0.00
Subconsultant: Sub 11			\$0.00
Subconsultant: Sub 12			\$0.00
SUBTOTAL ESTIMATED FEE:			\$21,837.05
Geotechnical Field and Lab Testing			\$0.00
SUBTOTAL ESTIMATED FEE:			\$21,837.05
Optional Services			
GRAND TOTAL ESTIMATED FEE:			\$21,837.05



R.J. Behar & Company, Inc.
Engineers - Planners

Linton Blvd. Bascule Bridge

EXPENSES					
MILEAGE/TOLLS					
MILES	RATE	LOCATION			COST
55	\$ 0.445	Meetings			\$ 24.48
55	\$ 0.445	Stakeholder Meetings			\$ 24.48
				TOTAL	\$ 48.95
COURIER / AIR MAIL / POSTAGE					
	RATE	DESCRIPTION			COST
3	\$ 45.00	General			\$ 135.00
				TOTAL	\$ 135.00
PRINTING					
AMOUNT	RATE	DESCRIPTION			COST
1	\$ 281.43	Plans			\$ 281.43
				TOTAL	\$ 281.43

\$ 465.38 ✓

Linton Blvd Bascule Bridge over ICWW

H&H Scope of Services

DATE: 4/28/2020 : Revised Date: 10/5/2020

BY: SWH

PROJECT UNDERSTANDING:

H&H will provide the following services for the upcoming construction at the Twin Single Leaf Bascule Bridge Over the ICWW (Bridge 930322)

- Initial and final span balance testing, data analysis, balance adjustment calculations and a final balance report.
- Special Inspection of the movable span structural components and a bridge inspection report documenting the inspection findings.
- Load rating of the existing bascule leaf components as outlined below.
- Services are to be compensated on a Lump Sum basis.

BALANCE TESTING

Initial Strain Gage:

- Initial setup and preparations including:
 - Review of contract documents.
 - Provide balance procedure and equipment to be used for testing.
- Perform the initial strain gage testing to obtain the pre-construction balance condition.
 - H&H to provide strain gages and data logging equipment for the testing.
- Data analysis and balance summary preparation sent via e-mail.

Final Strain Gage:

- Perform post construction strain gage testing to obtain the final balance conditions.
 - It is assumed the strain gages installed during the initial strain gage test will be reused.
 - It is assumed only one strain gage test is required during the final balance test. Calculations computing the final balance adjustments and final condition will be acceptable in lieu of performing a second final balance test after counterweight adjustments are made.
- Data analysis and span balance adjustment calculations.
- Prepare the final span balance report.

MOVABLE SPAN INSPECTION

- Initial setup and preparations including:
 - Review of contract documents.
 - Prepare inspection sketches.
- Inspection of the movable span:
 - Hands-on inspection of the bascule span fracture critical and nonfracture critical components including: Main Girders, Floorbeams, Stringers and deck.
 - Palm Beach County will provide an inspection truck for the inspection and will close one lane of traffic.

LOAD RATING

- Perform load rating of the following bascule leaf fracture critical and nonfracture critical components: Main girder, floorbeams, stringers, deck over counterweight stringers, open grating deck, concrete filled grating deck.

PROJECT MANAGEMENT:

- Meetings
 - Coordination and project supervision
 - Field Meeting
 - Coordinate with the coast guard if needed to close the bridge to vessels during inspection.

Contract Documents:

- Provide summary of the Initial balance condition.
- Provide existing counterweight pocket blocks inventory.
- Inspection report of the structural components including photos, findings, recommendations and sketches documenting location and section loss.
- Load rating and design calculation for the bascule leaf structural components and signed and sealed load rating summary sheet.

<<End of Scope>>

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Linton Blvd Bascule Bridge
 County: Palm Beach
 FPN:
 FAP No.:

Consultant Name: Hardesty & Hanover
 Consultant No.:
 Date: 10/7/2020
 Estimator: Steve Hedge

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Senior Mechanical Engineer	Senior Structural Engineer	Project Engineer	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$55.84 ✓	\$67.54 ✓	\$64.44 ✓	\$55.84 ✓	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	10	2	3	5	0	0	0	0	0	0	10	637	\$63.65
16. Structures - Movable Span (Lump Sum)	424	8	86	245	85	0	0	0	0	0	424	26,789	\$63.18
17. Movable Span - Optional Services	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
Total Staff Hours	434	10	89	250	85	0	0	0	0	0.00	434		
Multiplier		2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81		27,425.86	
Total Staff Cost		\$1,569.10 ✓	\$16,891.08 ✓	\$45,269.10 ✓	\$13,337.38 ✓	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		77,066.66 ✓	\$63.19

Check = \$77,066.66

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

TOTAL STAFF COST:					\$77,066.66 ✓
PROJECT FEE					\$0.00
OVERHEAD:		0%			\$0.00
OPERATING MARGIN:		0%			\$0.00
FCCM (Facilities Capital Cost Money):		0.00%			\$0.00
EXPENSES:		0.50%			\$3,760.00 ✓
SUBTOTAL ESTIMATED FEE:					\$80,826.66 ✓
Survey (Field)	0	4-person crew	\$ - / day		\$0.00
Geotechnical Field and Lab Testing					\$0.00
SUBTOTAL ESTIMATED FEE:					\$80,826.66 ✓
Optional Services					\$0.00
GRAND TOTAL ESTIMATED FEE:					\$80,826.66 ✓

EXHIBIT B - PAGE 16 OF 19

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Estimator: Steve Hedge
Donald Ross Road Bridges

Linton Blvd. Bascule Bridge

Representing	Print Name	Signature / Date
PBC		
H&H	Steve Hedge	

NOTE: Signature Block is optional, per District preference

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	424	0	0	0	0	0	0	424			
Structures Technical Subtotal		424	0	0	0	0	0	0	424	0	0	
Structures Nontechnical Subtotal					0							
9.16	Coordination	LS	1	10	10	Project Management including meeting and coordination with USCG						
9. Structures - Summary and Miscellaneous Tasks and Drawings Nontechnical and Coordination Total					10							

EXHIBIT B - PAGE 17 OF 19

Project Activity 16: Structures- Movable Span

Estimator: Steve Hedge
Donald Ross Road Bridges

Linton Blvd. Bascule Bridge

Representing	Print Name	Signature / Date
PBC		
H&H	Steve Hedge	

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Initial Strain Gage							
16.2	Initial setup and preparation	LS	1	8		8	Initial setup and preparation including plans review
16.3	Initial strain gage testing	LS	1	32		32	Pre-construction strain gage to obtain initial balance condition (2 Engineers x 2 days x 8hrs/day = 32 hours)
16.4	Data collection, analysis and balance summary	LS	1	8		8	8 hours to analyse the data and provide balance summary
Final Strain Gage							
16.5	Post construction Strain gage testing	LS	1	16		16	Post-construction strain gage to obtain final balance condition (2 Engineers x 1 day x 8hrs/day = 16 hours)
16.6	Data collection, analysis and balance report	LS	1	16		16	16 hours to analyse the data and provide final balance report
16.7	Compute span balance adjustments	LS	1	8		8	8 hours to a calculate span balance changes
Structural Inspection							
16.8	Preparation	LS	1	4		4	Prepare inspection sketches and review existing plans
16.9	Travel	LS	1	8		8	Two Engineers travel from Davie to PBC
16.10	Field Inspection	LS	1	24		24	Two Engineers on site for 1.5 days to perform hands on inspection of the movable spans and document section loss
16.11	Report Prep.	LS	1	24		24	Inspection report of the structural components including photos, findings, recommendations and sketches showing measurements of section loss.
Load Rating							
16.26	Load Ratings	LS	1	276		276	Perform Calculations for the following members: 1. Bascule Pier deck above counterweight: Includes design of steel stringers, transverse support girder, and filled grating = 48hrs. 2. Bascule Leaf open grating = 8hrs. 3. Roadway stringers that support decking = 8hrs. 4. Interior roadway floorbeams that support stringers and decking = 24hrs. 5. Bascule Leaf Main Girder = 88hrs. 6. Perform Load and Resistance Factor Ratings (LRFR's) = 100hrs.
16. Structures - Movable Span Total						0	424 ✓

EXHIBIT B - PAGE 18 OF 19

DIRECT EXPENSES						
Task / Expense	Description					DIRECT EXPENSES
DIRECT EXPENSES						
1	Flight for 2 Trips	\$500	per flight	2	trips	\$1,000
2	Hotel (2 nights per trip)	\$150	per night	4	nights	\$600
3	Per Diem (3 days per trip)	\$60	per day	6	days	\$360
4	Purchase of strain gauges	\$100	per gage	8	gages	\$800
5	Strain gage wire, tape, equipment, etc.					\$500
6	Miscellaneous (shipping and equipment, etc.)					\$500
	TOTAL DIRECT EXPENSES					\$3,760

OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

SOLICITATION/PROJECT/BID NAME: Linton Boulevard Bascule Bridge
 NAME OF PRIME RESPONDENT/BIDDER: R. J. Behar & Company, Inc.
 CONTACT PERSON: Jose Pena Ramos, P.E.
 SOLICITATION OPENING/SUBMITTAL DATE: 06/18/2019

SOLICITATION/PROJECT/BID No.: 2020600
 ADDRESS: 6861 SW 196th Ave., Suite 302, Pembroke Pines, FL 33332
 PHONE NO.: 954-680-7771 E-MAIL: jpena@rjbehar.com
 DEPARTMENT: Engineering and Public Works

PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT ON THIS PROJECT. PLEASE ALSO LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT.

Name, Address and Phone Number	(Check all Applicable Categories)			DOLLAR AMOUNT OR PERCENTAGE OF WORK				
	Non-SBE	M/WBE Minority/Women Business	SBE Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
1. R. J. Behar & Company, Inc. 6861 SW 196th Ave., Suite 302 Pembroke Pines, FL 33332 (954) 680-7771	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	115,378.36	_____	_____	_____
2. Hardesty & Hanover, LLP 1000 Sawgrass Corporate Parkway Suite 544 Sunrise, FL 33323 (954) 835-9119	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	80,826.66	_____
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____

(Please use additional sheets if necessary)

Total 115,378.36 80,826.66

Total Bid Price \$ \$196,205.02

Total SBE - M/WBE Participation _____

I hereby certify that the above information is accurate to the best of my knowledge: _____
 Signature Title
 _____ President

- Note:**
- The amount listed on this form for a Subcontractor/subconsultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
 - Firms may be certified by Palm Beach County as an SBE and/or an M/WBE. If firms are certified as both an SBE and/or M/WBE, please indicate the dollar amount under the appropriate category.
 - Modification of this form is not permitted and will be rejected upon submittal.

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 2020600
 SOLICITATION/PROJECT NAME: Linton Boulevard Bascule Bridge

Prime Contractor: R. J. Behar & Company, Inc. Subcontractor: Hardesty & Hanover, LLC.

(Check box(s) that apply)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): _____

The undersigned affirms they are the following (select one from each column if applicable):

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Basic Services	\$80,826.66	1/LS	\$0	\$80,826.66

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$80,826.66

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

N/A

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: _____

R. J. BEHAR & COMPANY, INC.
 Print Name of Prime

By: [Signature]
 Authorized Signature

ROBERT BEHAR, PE
 Print Name

PRESIDENT
 Title

Date: 10-12-2020

Hardesty & Hanover, LLC
 Print Name of Subcontractor/subconsultant

By: [Signature]
 Authorized Signature

Michael Sileno, PE
 Print Name

Principal
 Title

Date: 10/12/2020

Insured Name

R.J. Behar & Company, Inc. (C)

R.J. Behar & Company, Inc.

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Insured

Name:	R.J. Behar & Company, Inc.
Account Number:	DX00001199
Address:	
Status:	Currently in Compliance.

Insured

- Business Unit(s) DBA Number Print Insured Info Print Compliance Report

Account Information			
Account Number:	DX00001199		
Risk Type:	Standard - Professional Services		
Do Not Call:	Address Updated:		
Address Information			
Mailing Address		Physical Address	
Insured:	R.J. Behar & Company, Inc.		
Address 1:			
Address 2:			
City:			
State:			
Zip:			
Country:			
Contract Information			
Contract Number:			
Contract Start Date:			Contract End Date:
Contract Effective Date:			Contract Expiration Date:
Description of Services:	Structural Design Annual	Safety Form II:	No
Contact Information			
Contact Name:	Robert Behar	Misc:	
Phone Number:	9546807771	Alt Phone Number:	
Fax Number:			
E-Mail Address:	bbehar@rjbehar.com		
Approval Date:			
Rush:	No		
Contract on File:	No		
Certificate Received:	No		
Indemnification Agreement:	No		
Tax Id:			

This Account created by c28 on 10/13/2020.