

**WORK ORDER 21**

**Indian River County Go-Line Bus Stop Shelters**

This Work Order Number 21 is entered into as of this \_\_\_ day of \_\_\_\_\_, 202\_, pursuant to that certain Continuing Consulting Engineering Services Agreement for Professional Services entered into as of this 17<sup>th</sup> day of April, 2018 (collectively referred to as the "Agreement"), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and MBV Engineering, Inc. ("Consultant").

The COUNTY has selected the Consultant to perform the professional services set forth on Exhibit A (Scope of Work), attached to this Work Order and made part hereof by this reference. The professional services will be performed by the Consultant for the fee schedule set forth in Exhibit B (Fee Schedule), attached to this Work Order and made a part hereof by this reference. The Consultant will perform the professional services within the timeframe more particularly set forth in Exhibit C (Time Schedule), attached to this Work Order and made a part hereof by this reference all in accordance with the terms and provisions set forth in the Agreement. Pursuant to paragraph 1.4 of the Agreement, nothing contained in any Work Order shall conflict with the terms of the Agreement and the terms of the Agreement shall be deemed to be incorporated in each individual Work Order as if fully set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this Work Order as of the date first written above.

**CONSULTANT:**  
**MBV Engineering, Inc.**

**BOARD OF COUNTY COMMISSIONERS  
OF INDIAN RIVER COUNTY**

**By:**   
**Title:** Vice President

**By:** \_\_\_\_\_  
**Joseph E. Flescher, Chairman**

**BCC Approved Date:** \_\_\_\_\_

**Attest: Jeffrey R. Smith, Clerk of Court and Comptroller**

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

**Approved:** \_\_\_\_\_  
**Jason E. Brown, County Administrator**

**Approved as to form and legal sufficiency:** \_\_\_\_\_  
**Dylan T. Reingold, County Attorney**

## EXHIBIT A - SCOPE OF WORK

It is our understanding that the COUNTY intends to construct new bus shelters in the County Rights-of-Way for the County's Go-Line transportation system at the following bus stop locations:

- 37th Street and 17th Avenue - North side of the road, Westbound stop only – (Route 3)
- Highland Drive and Old Dixie Highway - Northbound Only – (Route 6)
- Old Dixie Highway and Georgia Lane (13<sup>th</sup> Lane SW) - Northbound and Southbound – (Route 6)
- Old Dixie Highway and 4th Place SW - Northbound and Southbound – (Route 6)
- Old Dixie Highway and 1st Street SW - Northbound Only – (Route 6)
- 27th Avenue and 5th Street SW - Northbound and Southbound – (Route 7)
- 27th Avenue and Dollar General (Oslo Road) - Northbound and Southbound - (Route 7)
- St. Lucie Boulevard (Veterans Services Bldg.) – Southbound Only – (Route 8)
- Elm Street and County Road 512 SE corner (City of Fellsmere) - Northbound Only – (Route 10)
- Schumann Drive and Empress Avenue (City of Sebastian) – Southbound Only - (Route 12)
- Schumann Drive and Englar Drive (City of Sebastian) – Southbound Only - (Route 12)

The proposed design improvements will consist of concrete bus shelter pads and covered shelters pursuant to the COUNTY's new shelter design specification. The bus shelter specification for the project shall be provided by COUNTY to Consultant and be relied upon for the design parameters. Locations will most likely require minor drainage infrastructure to accommodate existing drainage flows. This improvement will require design services and coordination with the COUNTY staff / departments as applicable. Coordination will also be required with the City of Sebastian and City of Fellsmere for the shelters proposed in those municipalities. Pursuant to coordination with COUNTY staff, the project will only be required to obtain IRC ROW permits and in-house reviews by the MPO and Public Works Departments staff for the proposed locations. IRC Site Plan approvals will not be required and are therefore not included in this Work Order. It is also understood that an existing conditions survey consisting of site-specific topography and existing infrastructure will be required for all locations. As such, MBV Engineering, Inc. will provide the existing conditions survey, civil design, plan details, cost estimates, permitting services, bidding assistance and construction administration services as related to the above activities and as further described below.

### **Task 1: Existing Conditions Survey**

The Consultant will provide the existing conditions surveying services for the project at each Bus Stop Location which will include:

- Provide a minimum of two horizontal and vertical control points for design baseline.
- Perform site specific topographic survey.
- Locate existing aboveground improvements with elevations sufficient for design.
- Locate aboveground utilities with elevations, where applicable, per engineer.
- Depict existing right-of-way lines and adjoining parcel designation
- Provide CAD file to MBV Engineering, Inc. upon request.
- Provide up to 8 certified copies of finished survey upon request.

Consultant will utilize the above information survey information as the base for the existing conditions for all the bus locations for the proposed design.

## **Task 2: Civil Design Plans & Permitting**

### **A. Construction Plans**

The Consultant will prepare 24" x 36" design drawings for each bus stop location which will include the following: Cover Sheet, Existing Conditions Plan, General Notes and Specifications, Erosion Control Plan, Demolition Plan, Site Plan, Grading and Drainage Plan and applicable details sheets. It is understood no utility improvements, design or permitting will be required with this project and is therefore excluded from this Work Order.

### **B. County Reviews**

The Consultant will attend two (2) progress review meetings with the COUNTY staff at the 50 and 100 percent levels of design completion. A single set of review comments shall be provided to Consultant prior/or after each review meeting. This task includes revisions to plans from each County review within reasonable scope of the project.

### **C. Permitting**

The Consultant will prepare the following permit applications and associated submittals for the following agencies for each bus stop:

#### **Indian River County - Bus Stop Locations:**

- Indian River County ROW permit for each individual location

#### **City of Vero Beach - Bus Stop Location:**

- City of Vero Beach Minor Site Plan & ROW permit

#### **City of Fellsmere - Bus Stop Location:**

- IRC ROW Permit

#### **City of Sebastian - Bus Stop Locations:**

- City of Sebastian ROW

No endangered species, wetlands or other ecological permitting is anticipated or included herein.

The Consultant will prepare all necessary applications and provide to COUNTY for signature. Permit Application Fees will be paid for by Consultant and included in this Work Order as a reimbursement to Consultant by COUNTY.

## **Task 3: Structural Design & Permitting**

The Consultant will provide the following structural design services for each Bus Stop Location:

### **A. Design**

- Review Bus Shelter Specification(s) as provided by COUNTY
- Establish structural design criteria
- Develop structural design and preparation for the foundation plans and sections based on conventional, shallow foundation system
- Development of foundation specifications on plans

**B. Permitting**

The Consultant will prepare application packages and submit to the below listed agencies for each bus stop location. Consultant will respond to Building Department review comments and re-submit plans to address comments, as necessary. It should be noted the project contractor will be responsible for obtaining the building permit and payment of building permit fees for each location.

**Indian River County and City of Vero Beach – Bus Stop Locations:**

- Indian River County Building Permit

**City of Fellsmere - Location:**

- City of Fellsmere Building Department

**City of Sebastian - Bus Stop Locations:**

- City of Sebastian Building Department

**Task 4: Cost Estimates**

The Consultant will prepare an Engineer’s Opinion of Probable Costs at approximately 50 and 100 percent levels of design completion.

**Task 5: Construction Services**

The Consultant shall attend (1) Pre-Construction meeting at COUNTY with staff and the selected contractor, and provide the following scope of services during the construction phase at each Bus Stop Location:

**A. Civil Construction Services**

- Shop drawings review of civil site components
- One (1) inspection during subbase construction
- One (1) inspection during sidewalk formboards
- One (1) inspection for punchlist prior to final inspection
- One (1) site visit for final walkthrough with COUNTY inspector in attendance
- Review of testing reports and as-builts provided by Contractor
- Coordination with COUNTY Planning and Public Works inspection staff
- Coordination with Contractor
- Certification by E.O.R. to COUNTY

**B. Structural Construction Services**

- Shop drawings review of structural foundation components
- One (1) inspection prior to installation of concrete for foundations
- Review of testing reports and as-builts provided by Contractor
- Coordination with COUNTY Planning and Public Works inspection staff
- Coordination with Contractor

**Task 6: Permit Fees:**

Permit Application Fees will be paid for by Consultant and included in this Work Order as a reimbursement to Consultant by COUNTY. The following permit fees are included in this Work Order:

- Indian River County Commercial ROW Permit Fee \$800 each for (12) locations (Including Fellsmere CR 512 location)
- City of Sebastian ROW Permit Fee \$250 each for (2) locations

**EXHIBIT B - DELIVERABLES**

The Consultant shall provide the COUNTY with the following at the 50 and 100 percent milestones:

- Two (2) sets of plans in 24" x 36" format (signed & sealed)
- One (1) Opinion of Probable Cost (OPC)
- One (1) electronic version of the plans in pdf and CAD format

**EXHIBIT C - FEE SCHEDULE**

The COUNTY agrees to pay and the Consultant agrees to accept for services rendered, pursuant to this Agreement, fees inclusive of expenses in accordance with the following:

<b>TASK</b>	<b>Fee</b>
Task 1: Existing Conditions Survey	\$ 17,700
Task 2: Civil Design and Permitting	\$ 48,750
Task 3: Structural Design and Permitting	\$ 12,750
Task 4: Cost Estimates	\$ 2,250
Task 5: Construction Services:	
Civil Construction Services	\$ 9,000
Structural Construction Services	\$ 5,250
Task 6: Permit Application Fees & Reimbursables	
IRC ROW – 12 locations @ \$800 each	\$ 9,600
City of Sebastian ROW – 2 locations @ \$250 each	\$ 500
Reimbursables	\$ 2,500
<b>TOTAL</b>	<b>\$ 108,300</b>

**ADDITIONAL SERVICES**

When required by the COUNTY or the Contract Documents, where circumstances exist beyond the Consultant’s control, Consultant shall provide or obtain from others, as circumstances required, those additional services not listed as part of the Work Order, the Consultant shall notify the COUNTY promptly prior to commencing said Additional Services, and if agreed upon, will be paid for by County in accordance with the Master Agreement, Professionals and vendor intended to provide additional services shall first be approved by the COUNTY, in writing, by the COUNTY’s Project Manager.

The COUNTY has selected the Consultant to perform the professional services set forth on this Work Order. The professional services will be performed by the Consultant for the fee schedule set forth in this Work Order. The Consultant will perform the professional services within the timeframe more particularly set forth in this Work Order in accordance with the terms and provisions set forth in the Agreement. Pursuant to paragraph 1.4 of the Agreement, nothing contained in any Work Order shall conflict with the terms of the Agreement and the terms of the Agreement shall be deemed to be incorporated in each individual Work Order as if fully set forth herein.

#### **EXHIBIT C - SCHEDULE**

Upon authorization to proceed by the COUNTY, the above described services will be provided based on the following schedule:

- Initial Submittal (50% design drawings) 60 days from receipt of Survey
- Final Submittal (100% design drawings) 90 days from Receipt of Interim Review Comments