

ARLINGTON COUNTY, VIRGINIA

**AGREEMENT NO. 18-213-9
AMENDMENT NUMBER 3**

This Amendment Number 3 is made on the date of execution by the County and amends Agreement Number 18-213-9 (“Main Agreement”) dated June 25, 2019, between Future Systems, Inc. (“Contractor”) and the County Board of Arlington County, Virginia (“County”).

The County and the Contractor agree to amend the main contract called for under the Main Agreement as follows:

Section 1: **Contract Documents**

The following Contract Documents are hereby **removed**:

- Exhibit A – Scope of Work
- Exhibit B – Transit Station Requirements Matrix
- Exhibit F – Specifications (CD)
- Exhibit G – Price Schedule (BAFO)

The following Contract Documents are hereby **added**:

- Exhibit A – Future System Modification PCO Backup
- Exhibit B – PCO#24R1 – Create Shop Drawings

Section 2: **Scope of Work**

Future System shall provide drawings and a milestone delivery for a modified Future Systems Type II Integra bus shelter that includes:

1. 316 Stainless Steel frame and supports
2. Fritted Glass and/or Clear Glass panel roof
3. Interior lighting (electric hardwire or solar) with lighting fixtures, handholes and clear pathway to internally run electrical and/or fiber.
4. Provide options with mounting details for installing Luminator Real Time Passenger Information (RTPI) Type A1 and/or A2 real time LED signs (provided by others) on the shelter structure and/or a RTPI as provided by the Contractor as described below
 - a. Mounted within the shelter with seven (7) feet of vertical clearance to bottom of the real time display. Provide handholes and raceways to internally run electrical and/or fiber connections to the display.

The County will select the display location within the shelters during the initial submittal review defined in Schedule Milestones, step 2 below.

5. Provide drawing for the Standalone wayfinding totem.
6. Double-sided Map Case to be incorporated on a rear or side glass windscreen panel
7. Area(s) to include station name within the shelter(s)

8. Benches with intermediate arm rests with materials that are resistant to conducting both heat and cold in extreme outdoor weather conditions as well as being water-repellent and resistant to graffiti and scratches. Benches shall match the design intent of the Integra model shelter(s).
9. Modified shelters shall be provided in three (3) module sizes: 3 Bay (14'-8" L x 5'-9" W), 5 Bay (25'-10" L x 5'-9" W) and 10 Bay/2 - 5 Bay assemblies (25'-10" L x 5'-9" W x 2) with 2'-3" W side windscreens mounted to the gantry post on each end of the shelter. In locations where the platform area is constrained, the side windscreens may not be required.
10. All shelters and amenities shall comply with the accessibility requirements of the Americans with Disabilities Act (ADA)
11. The station shelters and amenities shall be bolt down. The recommended fasteners and concrete thickness the fasteners will be installed in shall be included with the design.

Milestone	Scope of Work Milestone Events	Calendar days from NTP/PO
1	Kick off discussion on County requested modifications	7
2	Submit Integra Shelter modification drawings providing County requested features, including bill of materials and recommended location for installing Luminator Real Time Information Displays per bullet 4a above	35
3	Attend Virtual Review meeting with County staff, County shall provide comments within 7 days of receipt of Contractor submittal	42
4	Submit revised modification drawings incorporating agreed-upon modifications and preliminary calculations for each of the selected module sizes	56
5	Attend virtual meetings with County staff for review of resubmitted drawings and calculations	63
6	Submit stamped/sealed drawings and bill of materials for modified shelters as defined below, with pricing schedule and delivery dates for the first eight shelters specified by County. Include optional pricing and schedule for a prototype shelter	84

Deliverables:

1. Upon approval of the preliminary drawings, calculations and specifications, the Contractor shall submit stamped and sealed 100% structural engineering/design drawings and calculations from a licensed structural engineer within the Commonwealth of Virginia electronically to the County Project Officer via e-builder for shelters, amenities, and foundations/connections. The final approved Drawings and calculations shall become the design of record for the Columbia Pike Transit Stations. Include a statement of certification that all materials meet or exceed all applicable loading(s) (wind load, live

- load, dead load, snow load) for Arlington, VA in accordance with all applicable building codes. Including foundation concrete pad specifications
2. Site specific shelter size for each of the first eight sites based on “Three Bay, Five Bay and Ten Bay” to provide similar shelter lengths at each location as dimensioned in bullet 9 above.
 3. A plan view with dimensions, stations or offsets shall be provided for each station size. The sketch shall show the proposed location of the amenities within and/or adjacent to the shelters.
 4. Price Schedule for the three module configurations and amenities selected by the County
 5. Production & Delivery schedule.

Upon review and approval of the stamped/sealed drawings and bill of materials for modified shelter, the County intends to execute an amendment for the fabrication and delivery of the twenty-three stations and amenities. The County will release the first eight stations for production and delivery upon acceptance of the signed and sealed drawings and calculations. The remaining fifteen stations will be released in phases during the next four years.

Section 3: Project Officer

This Amendment hereby removes the reference of Parsons as the County’s authorized consultant for the project.

Section 4: Term of the Work

The Term for this task of the work shall be **84 days** from the execution of the Notice to Proceed and a County valid Purchase Order.

Section 6: Contract Amount

This is a Fixed-Priced Contract Amendment in the Not-To-Exceed amount of **\$76,300.00** for this portion of the work. Additional work for the project shall not be authorized without an amendment to the original Contract executed by the Purchasing Agent.

Section 9: Payment

The County shall pay the Contractor, upon approval and acceptance of Contractor’s submittals, according to the progress by milestone as outlined below:

Milestone	Description	% of Fee	Amount
2	Submit Integra Shelter modification drawings providing County requested features, including bill of materials and recommended location for installing Luminator Real Time Information Displays.	30%	\$22,890.00
4	Submit revised modification drawings incorporating agreed-upon modifications and preliminary calculations for each of the selected module sizes.	30%	\$22,890.00
6	Submit stamped/sealed drawings and bill of materials for modified shelters, with pricing schedule and delivery dates for the first eight	40%	\$30,520.00

	shelters specified by County. Include optional pricing and schedule for a prototype shelter.		
		TOTAL	100% \$76,300.00

Section 11: **Reimbursable Expenses**: is hereby removed.

Section 12: **Reimbursable Travel-Related Expenses**: is hereby removed.

Section 26: **Ownership of Work Product**: is hereby removed.

Section 49: **Notices**: remove Shirley Diamond, Procurement Officer and replace with:

Dr. Sharon T. Lewis LL.M., CPPB, VCO, MPS
 Purchasing Agent
 2100 Clarendon Boulevard, Suite 500
 Arlington, VA 22201
 Telephone: 703.228.3294
 Email: slewis1@arlingtonva.us

Section 57: **Performance Bond**: is hereby removed.

All other terms and conditions of the Main Agreement remain in effect.

WITNESS these signatures:

THE COUNTY BOARD OF ARLINGTON
 COUNTY, VIRGINIA

SIGNATURE: DocuSigned by:
 Dr. Sharon T Lewis
 89B86B1AD301462...

NAME: Dr. Sharon T. Lewis

TITLE: Purchasing Agent.

DATE: 9/2/2021

FUTURE SYSTEMS, INC.

SIGNATURE: DocuSigned by:
 Mark Sidon
 497E06C627FF464...

NAME: _____

TITLE: Vice President of Operations

DATE: 9/2/2021

Proposed Change Order

Date submitted:	25-Aug-2021	PCO#:	024R1
Title:	Modified Integra shelter & Generic Totem - shop drawings		
Project Name:	18-213-9 Columbia Pike Transit stations	TT#:	TT6757
Contractor:	Arlington, Virginia		
Requested by:	Zaki Ud Din		

Type of Request: Proposed Change Order
PCO Description
(Fully describe the question or type of information required, to allow CT to identify what document(s) or information is needed)

1. Create new shop drawings
 FSI Designer/Engineer: 200 hours @ \$160/hour = \$32,000
 Project Manager (Zaki): 100 hours @ \$175/hour = \$17,500
 Technical Director (Ryan Nowinsky): 80 hours @ \$210/hour = \$16,800
 (All the hours include: attend weekly meetings, creating 3D links for quick review & final submittals)
2. Structural Analysis & verification: \$10,000
3. Upload all files on e-builder for County's review

Potential Cost Impact	Potential Schedule Impact
\$76,300.00 Payment terms: 30% upon submittal of first round of drawings = \$22,890 30% Updated drawing submittal incorporating County review comments = \$22,890 40% upon completion = \$30,520	84 days for modifications to existing designs only. It will take longer if the SOW grows.

Reference

Specification	Drawing(s)	Detail(s)
Design		To create new shop drawings for fabrications, stamped by structural engineer with load calculations

Notes

- FSI standard "Integra shelter, standard bench & totem or flag sign
- No site-specific work & surveys by FSI.
- FSI can overlay Integra drawings on a site-specific drawing for the County.
- No additional costs for the bonding have been allotted for

Response by	
Attachments <i>(as applicable)</i>	

CM RESPONSE:

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RESPONSE APPROVED BY:



Date: Aug 27th, 2021

Columbia Pike Transit Stations, Contract #18-213-9 _ FS Contract Amendment Modify Standard Integra drawings and Specifications

Description	Rate	Hours					Total Hours	Total	
		Kick Off Meeting	Preliminary Modifications	Review Meeting	Revised Drawings and Preliminary Calculations	Review Meeting	Signed and Sealed Package		
FSI Designer/Engineer	\$160.00	16	96	8	40	8	32	200	\$32,000.00
Sr. Project Manager	\$175.00	16	36	8	16	8	16	100	\$17,500.00
Technical Director	\$210.00	16	8	8		8		40	\$8,400.00
VP of Operations	\$210.00	16	8	8		8		40	\$8,400.00
Consulting Structural Engineer	\$250.00				20		20	40	\$10,000.00
Total								420	\$76,300.00