



**Bridge Factors Factual Report Attachment 4 – TIGER Grant Addendum No. 1  
dated January 12, 2016**

**Miami, FL**

**HWY18MH009**

(21 pages)

January 2016

Grant Termination  
Date 9/30/2019  
Section 5.2  
PS  
Grant Agreement

**ADDENDUM NO. 1**

**GRANT AGREEMENT UNDER THE  
CONSOLIDATED AND FURTHER CONTINUING APPROPRIATIONS  
ACT, 2013 (DIVISION F, TITLE I, Pub. L. 113-6, MARCH 26, 2013)  
FOR THE NATIONAL INFRASTRUCTURE INVESTMENTS  
DISCRETIONARY GRANT PROGRAM  
(FY 2013 TIGER DISCRETIONARY GRANTS)**

**THE FLORIDA INTERNATIONAL UNIVERSITY (FIU) BOARD OF  
TRUSTEES**

**UNIVERSITY CITY PROSPERITY PROJECT**

**FHWA FY 2013 TIGER Grant No. 12**

**SECTION 1. PURPOSE OF ADDENDUM**

- a) The purpose of this addendum, Addendum No. 1 (“Addendum”) to FHWA FY 2013 TIGER Grant No. 12 (“Grant Agreement”) is to recognize and accept modifications to the scope, schedule and budget for the “UniversityCity Prosperity Project 2013 – Advanced TOD and Informed Traveler Program” (“Project”).
- b) This Addendum will constitute a formal amendment to the Grant Agreement which was executed on June 5, 2014 by the U.S. Department of Transportation, the Federal Highway Administration (the “Government” or “FHWA”), The Florida International University (FIU) Board of Trustees (“Grantee” or “Recipient”), and the Florida State Department of Transportation. Except as modified, changed and supplemented by this Addendum, all terms and conditions of the original and previous amendments to the Grant Agreement shall continue in full force and effect.
- c) The following sets out the amendments to the referenced sections of the Grant Agreement.

## SECTION 2. AMENDED SECTION 2 OF THE GRANT AGREEMENT

a) Section 2.2 of the Grant Agreement is amended and restated in its entirety and will read as follows:

2.2 Project's Schedule Summary (for further information see Attachment B):

Actual Completion of NEPA:	February 25, 2014
Actual LAP Agreement Approval/NTP	June 24, 2014
Actual Release of RFP/PS&E Approval:	June 30, 2014
Actual Completion of NEPA Re-evaluation:	May 5, 2015
Planned Design/Build Contract Award:	December 17, 2015
Planned Start Date of Design-Build:	January 28, 2016
Planned Start Construction:	May 4, 2017
Planned Project Construction Substantial Completion and Open to Traffic:	November 1, 2018

b) Section 2.5 of the Grant Agreement is amended and restated in its entirety and will read as follows:

2.5 Project's Environmental Approvals and Processes:

Environmental Documentation Type, Titles and Date: Type 2 Categorical Exclusion  
February 25, 2014

Environmental Decision Type and Date: Type 2 Categorical Exclusion, February 25, 2014 and NEPA Revaluation Design Change Approvals on May 14, 2014 and May 5, 2015

Name of Agency and Office Approving each Environmental Decision Document:

Federal Highway Administration Florida Division

### **SECTION 3. AMENDED SECTION 3 OF THE GRANT AGREEMENT**

a) Section 3.1.1 of the Grant Agreement is amended and restated in its entirety and will read as follows:

3.1.1 The Pre-project Report shall consist of current baseline data for each of the performance measures specified in the Performance Measurement Table in Attachment D. The Pre-project Report shall include a detailed description of data sources, assumptions, variability, and the estimated level of precision for each measure. Grantee shall submit the report to the Government by **April 1, 2017**. Grantee shall represent that the data in the Pre-project Report is current as of **February 28, 2017**.

b) Section 3.1.3 of the Grant Agreement is amended and restated in its entirety and will read as follows:

3.1.3 The Project Outcomes Report shall consist of a narrative discussion detailing Project successes and/or the influence of external factors on Project expectations. Grantee shall submit the Project Outcomes Report to the Government by **January 1, 2025** which includes an *ex post* examination of project effectiveness in relation to the Pre-project Report baselines. Grantee shall represent that the data in the Project Outcomes Report is current as of **November 1, 2024**.

### **SECTION 4. AMENDED SECTION 5 OF THE GRANT AGREEMENT**

Section 5.1.2 of the Grant Agreement is amended and restated in its entirety and will read as follows:

5.1.2 The Grantee fails to begin construction before **July 4, 2017**;

### **SECTION 5. AMENDED ATTACHMENT A OF THE GRANT AGREEMENT**

Attachment A of the Grant Agreement is amended and restated in its entirety and will read as follows:

## **ATTACHMENT A STATEMENT OF WORK**

The 2013 UniversityCity Prosperity Project consists of the following four components:

- i. Pedestrian-Oriented Transit Access Infrastructure Improvements (Infrastructure)
- ii. Community Transit Service Development Enhancements (Community Transit)
- iii. Informed Traveler Program and Applications (ITPA)
- iv. Design/Engineering Services and Construction Management (DES&CM)

Specifically, these project improvements will consist of:



**Infrastructure:** This part of the Project focuses on pedestrian-oriented transit access infrastructure improvements, that provide for two narrowed traffic lanes and wider sidewalks with landscaping, and pedestrian-oriented streetscaping elements, such as enhanced shade trees, street furniture, street signage, street lighting, a Memorial Plaza in Sweetwater, and an entry plaza located on FIU's Modesto A. Maidique Campus (Maidique Campus); and a signature pedestrian-oriented shared-use bridge across US 41 (a major arterial roadway located between Sweetwater and Maidique Campus).

Major construction activities, in addition to Right-of-Way, include:

- i. Pedestrian-Oriented Shared-Use Bridge extended across US 41 and Tamiami Canal with a landing in Sweetwater at Memorial Plaza and Linear Park improvements located north of the Tamiami Canal and west of SW 109<sup>th</sup> Avenue so as to improve pedestrian safety and bridge access
- ii. Site Preparation, Landscaping & Irrigation
- iii. Utilities (i.e., FPL, electrical, telecom, water,) & Lighting
- iv. Storm Water System
- v. Paving & Parking
- vi. Streetscaping/Furnishings/Equipment
- vii. Professional Fees – Fire Marshall, Surveys
- viii. Plazas, Walkways, Pavilions & AIMS including sidewalks along east and west side of SW 109<sup>th</sup> Avenue bridge in order to match up with those sidewalks along SW 109<sup>th</sup> Avenue
- ix. Roadway Improvements & AIMS Platform area
- x. Professional Services – Design-Build, Contractor CEI

**Community Transit:** Community transit will be enhanced through deploying three community transit vehicles that are: 1) rebuilt, repaired, and enhanced ten passenger Small Hybrid-Electric Rubber Tire Trolley to be owned by Sweetwater and operated within UniversityCity between Sweetwater and FIU crossing US 41 on a high frequency; 2) a rebuilt, repaired, and enhanced community transit Back-Up Circulator Bus to accommodate ten or more passengers that is owned by Sweetwater; and, 3) acquiring a multipurpose, ten passenger, outreach vehicle which will also serve as a community transit back-up vehicle.

Major construction activities include:

- i. Acquire new multi-purpose back-up transit vehicle
- ii. Assess Back-Up Circulator Bus & Compile Parts/Equipment Inventory
- iii. Assess Small Hybrid-Electric Trolley & Compile Parts/Equipment Inventory
- iv. Rebuild, repair and enhance Back-Up Circulator Bus & Small Hybrid-Electric Trolley
- v. Testing vehicles & prepare for full operational use

**ITPA:** The 2013 TIGER funds allocated for the ITPA will be used to deliver a platform to support the first phase of the overall ITPA vision. The ITPA is based on a plan developed in a separate effort led by Miami-Dade Expressway Authority (MDX) to ensure interoperability among the various locally deployed technology systems. The ITPA will develop software that

will provide personalized, timely information and advice regarding the most efficient and cost effective travel paths for users in advance of their travel decision points. The ITPA will also provide information to selected members of the traveling public who agree to optimize their trips to and from UniversityCity by using ITPA to secure available parking spaces and to timely access community transit and express transit services. These first ITPA effort will be focused on: FIU transit vehicle and passenger movements in and between the FIU's Maidique Campus, the Biscayne Bay Campus and the Engineering Center; Sweetwater community transit vehicle and passenger movements within UniversityCity and Sweetwater; a smart parking feature at certain FIU Maidique Campus, Sweetwater, and remote locations connected to FIU by express transit; and, data aggregation and feeds to reduce any traffic delays along US 41 and SW/NW 107<sup>th</sup> Avenue adjacent UniversityCity.

Major construction activities include:

- i. Software Acquisition and Licenses/Development
- ii. Smart Parking Data Formats Development
- iii. Garage, Transit and Street Applications Development
- iv. Sensors, Streetsmart, Aerials and other ITS System Design & Installation
- v. Pilot & Communications Plans (Alpha & Beta Trials with feedback)
- vi. Software, Garage & Transit Applications, and ITS Testing
- vii. Independent Verification and Validation (IV&V) – Sensors, Streetsmart, Aerials & ITS Elements

**DES&CM:** This component consists of design and engineering services and construction management.

Infrastructure Staff Support and Professional Services for Construction, Design and CEI, including: managing development of design; permitting; right-of-way acquisition/approvals and easements; design-build advertisement and competitive selection award process; construction oversight and approvals activities; code administration (FIU is permitting authority); construction accounting, billing, and payment management; and risk management.

Academic & Other Support for Infrastructure, Community Transit Development & ITPA, including: repair of a used CATS 15-passenger shuttle bus as an Engineer-on-Wheels vehicle; project website creation and updating; outreach efforts using Engineer-on-Wheels for UniversityCity Prosperity Project designs and construction reviews; review design documents and provide input to Program Committee; review design-build and ATC proposals and provide input to Program Committee; provide construction and design reviews to Program Committee; review designs for real and perceived safety concerns that will enhance usage of public spaces; advice as to ITPA data collection methodology, instruments and analyses from the user point of view; and coordinate transdisciplinary efforts to functionally connect infrastructure, community transit and ITPA improvements and endeavor to construct and deploy all these UniversityCity components as intended consistent with the UniversityCity June 3, 2013 submittal for TIGER Discretionary Grant funding.



**SECTION 6. AMENDED ATTACHMENT B OF THE GRANT AGREEMENT**

Attachment B of the Grant Agreement is amended and restated in its entirety and will read as follows:

**ATTACHMENT B  
ESTIMATED PROJECT SCHEDULE**

**INFRASTRUCTURE**

Project Milestone/Deliverable Schedule:

	Start Date	End Date
Actual Completion of NEPA:	N/A	February 25, 2014
Actual LAP Agreement Approval/NTP	N/A	June 24, 2014
Actual Release of PS&E/RFP Package Approval:	N/A	June 30, 2014
Actual Design/Build Construction Advertisement:	June 30, 2014	July 30, 2014
Actual Completion of NEPA re-evaluation	October 29, 2014	May 5, 2015
Planned Firm Selected By FIU and Concurred by FHWA/FDOT:	October 29, 2015	December 10, 2015
Planned Design/Build Construction Award:	December 17, 2015	January 28, 2016
Planned Start Date of Design-Build:	January 28, 2016	N/A
Planned Construction Dates:	May 4, 2017	N/A
Pedestrian-Oriented Shared-Use Bridge:	July 6, 2017	October 12, 2018
Site Preparation, Landscaping & Irrigation: <sup>1</sup>	May 4, 2017	October 12, 2018
Utilities & Lighting:	May 4, 2017	October 12, 2018
Storm Water System:	May 4, 2017	October 12, 2018
Paving & Parking:	May 4, 2017	October 12, 2018
Streetscaping Furnishings & Equipment:	August 15, 2018	October 12, 2018
Professional Fees – Fire Marshall, Surveys:	May 4, 2017	October 12, 2018
Plazas, Walkways, Pavilions & AIMS:	May 4, 2017	October 12, 2018
Roadway Improvements, AIMS Platform area:	May 4, 2017	October 12, 2018
Planned Project Construction Substantial Completion & Open to Traffic:	N/A	November 1, 2018
Planned Final Construction:	N/A	December 12, 2018
Professional Services – Design-Build, Contractor CEI:	March 21, 2016	January 23, 2019

<sup>1</sup> Extended site preparation end date reflects site preparation for AIMS platform.

Planned Close-Out Documentation:	October 31, 2018	January 23, 2019
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**COMMUNITY TRANSIT SERVICE DEVELOPMENT ENHANCEMENTS**

Project Milestone/Deliverable Schedule:

	Start Date	End Date
Transfer of Title from FIU to Sweetwater and Operational Agreements:	November 16, 2015	December 31, 2016
Acquire Community Transit Vehicle & Identify Back-up Use:	November 16, 2015	December 31, 2016
Assess Back-Up Circulator Bus & Compile Inventory:	November 16, 2015	April 30, 2016
Assess Small Hybrid-Electric Trolley & Compile Inventory:	November 16, 2015	April 30, 2016
Rebuild, Repair & Enhance Small Hybrid-Electric Trolley & Back-Up Circulator Bus:	May 2, 2016	May 31, 2017
Complete Testing Vehicles & Prepare for Full Operational Use:	June 1, 2017	December 29, 2017
Begin Service/Small Hybrid-Electric Trolley & Back-Up Circulator Bus:	December 30, 2017	N/A
Planned Close-Out Documentation:	January 2, 2018	March 30, 2018

**INFORMED TRAVELER PROGRAM AND APPLICATIONS (ITPA)**

Project Milestone/Deliverable Schedule:

	Start Date	End Date
A Public Interest Finding (PIF) and specific scope approval	April 24, 2014	May 20, 2014
Smart Parking Data Formats Development:	September 15, 2014	December 30, 2016
Garage, Transit & Street Applications Development:	September 15, 2014	December 30, 2016
Sensors, Streetsmart, Aerials & other ITS System Design & Installation:	September 15, 2014	December 30, 2016
Software Acquisition & Licenses /Development:	July 24, 2015	December 30, 2016
Pilot and Communications Plans (Alpha & Beta Trials with feedback):	September 30, 2016	December 30, 2016
Software, Garage & Transit Applications & ITS Testing:	January 5, 2017	March 30, 2018
IV&V - Sensors, Streetsmart, Aerials & ITS Elements:	September 18, 2015	March 30, 2018
ITPA Operational:	March 31, 2018	N/A
Planned Close-Out Documentation:	June 29, 2018	September 14, 2018



**DESIGN/ENGINEERING SERVICES & CONSTRUCTION MANAGEMENT (DES & CM)**

Project Milestone/Deliverable Schedule:

	Start Date	End Date
Begin DES & CM:	July 1, 2014	November 26, 2018
Complete Academic and Other Support for Infrastructure, Community Transit Development & ITPA:	July 1, 2014	August 31, 2016
Complete Infrastructure Staff Support & Professional Services for Design, Construction & CEI/IV&V:	September 18, 2015	November 26, 2018
Planned Close-Out Documentation:	September 3, 2018	November 26, 2018

**SECTION 7. AMENDED ATTACHMENT C OF THE GRANT AGREEMENT**

Attachment C of the Grant Agreement is amended and restated in its entirety and will read as follows:

**ATTACHMENT C  
ESTIMATED PROJECT BUDGET**

<b>TABLE 1 – OVERALL PROJECT BUDGET SUMMARY</b>							
<b>PROJECT COMPONENT</b>	<b>ACTIVITY</b>	<b>TOTAL PROJECT BUDGET</b>	<b>TIGER</b>	<b>OTHER FEDERAL FUNDS (TAP)</b>	<b>FIU</b>	<b>CITY OF SWEET-WATER</b>	<b>FDOT</b>
<b>INFRASTRUCTURE</b>	Right of Way **	\$1,745,800				\$1,745,800	
	Design-Build Construction	\$10,295,979	\$8,548,140	\$1,000,000	\$588,303	\$ 159,536	
<b>COMMUNITY TRANSIT</b>	Community Transit	\$ 342,900			\$257,175	\$ 85,725	
<b>ITPA</b>	Technology/Program Applications	\$2,368,836	\$2,156,832		\$212,004		
<b>DES &amp; CM</b>	Design/engineering services & construction management	\$752,148	\$692,148				\$60,000
<b>TOTAL</b>		<b>\$15,505,663</b>	<b>\$11,397,120</b>	<b>\$1,000,000</b>	<b>\$1,057,482</b>	<b>\$1,991,061</b>	<b>\$60,000</b>

\*\* Right of Way donated by City of Sweetwater as part of matching funds

**Table 2 – Infrastructure Project Budget Summary**

<b>ACTIVITY/ TASK</b>	<b>ESTIMATED INFRA- STRUCTURE BUDGET</b>	<b>TIGER FUNDS</b>	<b>OTHER FEDERAL FUNDS (TAP)</b>	<b>FIU FUNDS</b>	<b>CITY OF SWEET- WATER FUNDS</b>	<b>FDOT FUNDS</b>
<b>Right of Way **</b>	\$ 1,745,800				\$1,745,800	
<b>Construction, Design, and Professional Services</b>						
Pedestrian-Oriented Shared-Use Bridge	\$ 5,005,440	\$4,005,440	\$1,000,000			
Site Preparation, Landscaping & Irrigation	\$ 922,000	\$ 896,500			\$ 25,500	
Plazas, Walkways, Pavilions & AIMS	\$ 1,500,000	\$ 1,440,000			\$ 60,000	
Roadway Improvements & AIMS Platform Area	\$ 533,125	\$ 101,822		\$ 431,303		
Utilities & Lighting	\$ 527,200	\$ 527,200				
Storm Water System	\$ 130,000	\$ 67,500		\$ 32,500	\$ 30,000	
Paving & Parking	\$ 69,364	\$ 55,079			\$ 14,285	
Professional Services--Design- Build, Engineering	\$ 1,346,505	\$ 1,218,138		\$ 100,493	\$ 27,874	
Fire Marshall, Surveys	\$ 250,698	\$ 224,814		\$ 24,006	\$ 1,878	
Streetscaping Furnishings & Equipment	\$ 11,647	\$ 11,647				
<b>Total Budget</b>	<b>\$12,041,779</b>	<b>\$8,548,140</b>	<b>\$1,000,000</b>	<b>\$ 588,302</b>	<b>\$1,905,337</b>	

\*\* Right of Way donated by City of Sweetwater as part of matching funds

Table 3 – Community Transit Budget

ACTIVITY/ TASK	ESTIMATED COMMUNITY TRANSIT BUDGET	TIGER FUNDS	OTHER FEDERAL FUNDS (TAP)	FIU FUNDS	CITY OF SWEET- WATER FUNDS	FDOT FUNDS
Acquire new Community Transit Vehicle	\$ 55,075		Cash	\$ 55,075 (55,075) 0	55,075 *	
Assess Back-Up Circulator Bus & Compile Inventory	\$ 4,023			\$ 4,023		
Assess Small Hybrid- Electric Trolley & Compile Inventory	\$ 6,321			\$ 3,971	\$ 2,350	
Rebuild, Repair & Enhance Small Hybrid- Electric Trolley & Back-Up Circulator Bus	\$264,402		171,450 Force Match	\$187,027 55,075 242,102	\$ 77,375 (55,075) 22,300 *	
Complete Testing Vehicles & Prepare for Full Operational Use	\$ 13,079			\$ 7,079	\$ 6,000	
<b>Total Budget</b>	<b>\$342,900</b>			<b>\$257,175</b>	<b>\$ 85,725</b>	

\* This adjustment is because City of Sweetwater cannot use impact fees to improve vehicles but ok to purchase new

vehicle

**Table 4 - Informed Traveler Program and Application (ITPA) Budget Summary**

<b>ACTIVITY/ TASK</b>	<b>ESTIMATED ITPA BUDGET</b>	<b>TIGER FUNDS</b>	<b>OTHER FEDERAL FUNDS (TAP)</b>	<b>FIU FUNDS</b>	<b>CITY OF SWEET- WATER FUNDS</b>	<b>FDOT FUNDS</b>
Software Acquisition & Licenses/ Development	\$ 515,000	\$ 515,000				
Smart Parking Data Formats Development	\$ 300,000	\$ 300,000				
Garage, Transit & Street Applications Development	\$ 500,000	\$ 287,996		\$212,004		
Sensors, Smartstreet, Aerials & other ITS System Design & Installation	\$ 685,000	\$ 685,000				
Pilot & Communications Plans	\$ 100,000	\$ 100,000				
Software, Application & ITS Testing	\$ 141,836	\$ 141,836				
Independent Verification and Validation(IV&V) — Sensors, Streetsmart, Aerials, & ITS Elements	\$ 127,000	\$ 127,000				
<b>Total Budget</b>	<b>\$2,368,836</b>	<b>\$2,156,832</b>		<b>\$212,004</b>		



**Table 5 Design/Engineering Services and Construction Management (DES & CM) Budget Summary**

<b>ACTIVITY/TASK</b>	<b>ESTIMATED DES &amp; CM BUDGET</b>	<b>TIGER FUNDS</b>	<b>OTHER FEDERAL FUNDS (TAP)</b>	<b>FIU FUNDS</b>	<b>CITY OF SWEETWATER FUNDS</b>	<b>FDOT FUNDS</b>
Infrastructure Staffing Support & Professional Services for Design, Construction & CEI	\$ 326,003	\$ 266,003				\$60,000
Academic and Other Support for Infrastructure, Community Transit Development, and ITPA	\$ 426,145	\$ 426,145				
<b>Total Budget</b>	<b>\$752,148</b>	<b>\$692,148</b>				<b>\$60,000</b>

**SECTION 8. AMENDED ATTACHMENT C OF THE GRANT AGREEMENT**

Attachment D of the Grant Agreement is amended and restated in its entirety and will read as follows:

**ATTACHMENT D  
PERFORMANCE MEASUREMENT TABLE**

**Study Area: UniversityCity (within Maidique Campus & Sweetwater north of Flagler Street)**

**Table 1: Performance Measurement Table**

Measure	Description of Measure	Measurement Period	Reporting Period
Average Daily Bike and Pedestrian Counts	Average daily bicycle and pedestrian counts using National Bicycle & Pedestrian Documentation Project methodology by conducting hourly counts at key locations in the study area. Counts will be collected on a typical weekday, Saturday and Sunday and should be conducted monthly to produce a quarterly average	Baseline Measurement:  Annual average, accurate as of February 28, 2017  Interim Performance Measures:  Accurate as of November 1, annually	Baseline Measurement:  April 1, 2017  Interim Performance Measures:  For a period of 5 years, beginning January 1, 2020, annually
Parking Utilization	Parking utilization, by time of day, for the parking spaces for the project area	Baseline Measurement:  Annual average, accurate as of February 28, 2017  Interim Performance Measures:  Accurate as of November 1,	Baseline Measurement:  April 1, 2017  Interim Performance Measures:  For a period of 5 years, beginning January 1, 2020 annually

		annually	
User Survey	<p>Annual surveys (before and after) of users in the study area regarding the following qualitative issues:</p> <ul style="list-style-type: none"> <li>• Ease of access to the road</li> <li>• Ease of access to the bridge and surrounding study areas</li> <li>• Improved safety</li> <li>• Use of /Access to bike &amp; pedestrian path</li> <li>• Trip origination/destination</li> <li>• Travel purpose and Increased pedestrian and bicycle usage</li> <li>• reaction to the reconstruction project</li> <li>• prospective views of the study area</li> <li>• household demographics</li> <li>• tenure information</li> <li>• socioeconomic characteristics</li> </ul>	<p>Baseline Measurement: Annual average, accurate as of February 28, 2017</p> <p>Interim Performance Measures: Accurate as of November 1, annually</p>	<p>Baseline Measurement: April 1, 2017</p> <p>Interim Performance Measures: For a period of 5 years, beginning January 1, 2020 annually</p>
Real Estate Impacts	<p>Annual count of recorded real estate transactions and gross value of properties within 3 mile radius of the project site before the project and then annually for 3 years after the project opens for operation under normative conditions</p>	<p>Baseline Measurement: February 28, 2017</p> <p>Interim Performance Measures: Accurate as of November 1, annually</p>	<p>Baseline Measurement: April 1, 2017</p> <p>Interim Performance Measures: For a period of 5 years, beginning January 1, 2020 annually</p>

## **SECTION 9. EXECUTION OF ADDENDUM**

There are four (4) identical counterparts of this Addendum in typewritten hard copy; each counterpart is to be fully signed in writing by the parties and each counterpart is deemed to be an original having identical legal effect. When signed and dated by the authorized official of the Government, this instrument will constitute a formal amendment to the Grant Agreement. Except as modified, changed, and supplemented by this Addendum, all terms of the original Grant Agreement shall continue in full force and effect. Upon full execution of this Addendum by the Parties, the effective date will be the date the Government executes this Addendum as set forth below.

**EXECUTION BY THE GOVERNMENT**

Executed this 12 day of January, 2016.



Signature of Government's Authorized Representative

James Christian

Name of Government's Authorized Representative

FHWA Florida Division Administrator

Title



**EXECUTION BY THE FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES**

Executed this 17 day of December, 2015.



Signature of Grantee's Authorized Representative

Kenneth A. Jessell

Name of Grantee's Authorized Representative

Senior Vice President & CFO

Title

**EXECUTION BY STATE DEPARTMENT OF TRANSPORTATION**

Executed this 17<sup>th</sup> day of December, 2015.



\_\_\_\_\_  
Signature of State DOT Authorized Representative

Gus Pego, P.E.  
\_\_\_\_\_  
Name of State DOT Authorized Representative

District Six Secretary  
\_\_\_\_\_  
Title