

**UNITED STATES OF AMERICA
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
WASHINGTON, DC 20590**

**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

This agreement (the "Agreement" or "Grant Agreement") reflects the selection of The Florida International University (FIU) Board of Trustees ("Grantee" or "Recipient") as a Recipient of a grant awarded under the provisions of the Further Continuing Appropriations Act, 2013 (Pub. L. 113-6, March 26, 2013), regarding National Infrastructure Investments (the "Act"). The grant program under the Act is referred to as "FY 2013 TIGER Discretionary Grants" or "TIGER Discretionary Grants."

SECTION 1. TERMS AND CONDITIONS OF THE GRANT

- 1.1 This Agreement is entered into between United States Department of Transportation ("DOT" or the "Government") and the Grantee. This Agreement will be administered by the Federal Highway Administration (also referred to herein as "FHWA" or the "Government").
- 1.2 This Grant is made to the Grantee for the project as described in the Grantee's Technical Application (the "Project"), titled "UniversityCity Prosperity Project 2013 – Advanced TOD and Informed Traveler Program", and the negotiated provisions on the Project's material terms and conditions, including the Project's scope, assurance/confirmation that all required funding has been obtained and committed, and the timeline for completion of the Project.
- 1.3 The Government, having reviewed and considered the Grantee's Application and finding it acceptable, pursuant to the Act awards a TIGER Discretionary Grant in the amount of

Eleven Million, Three Hundred Ninety-Seven Thousand & One Hundred Twenty Dollars (\$11,397,120), for the entire period of performance (referred to as the "Grant"). This Grant is the total not-to-exceed amount of funding that is being provided by the Government under this Grant Agreement. For urban projects, the Grantee hereby certifies that not less than Two Million Eight Hundred and Forty Nine Thousand Two Hundred Eighty Dollars (\$2,849,280) in non-Federal funds are committed to fund the Project in order to satisfy the Act's requirement that at least twenty percent (20%) of the Project's costs are funded by non-Federal sources. The Government's liability to make payments to the Grantee under this Grant Agreement is limited to those funds obligated by the Government under this Agreement as indicated herein and by any subsequent amendments agreed to in writing by all parties.

- 1.4 The Grantee agrees to abide by and comply with all terms and conditions of this Agreement and to abide by, and comply with, all requirements as specified in the Exhibits and Attachments, identified in paragraphs 1.5 and 1.6, which are considered as integral parts of this Agreement. Each Exhibit and Attachment identified below is deemed to be incorporated by reference into this Agreement as is fully set out herein.

- 1.5 This Agreement shall also include the following Exhibits as integral parts hereof located at: http://ops.fhwa.dot.gov/freight/infrastructure/tiger/fy2013_gr_exhbt_tmp/index.htm

Exhibit A	Legislative Authority
Exhibit B	General Terms and Conditions
Exhibit C	Applicable Federal Laws and Regulations
Exhibit D	Grant Assurances
Exhibit E	Responsibility and Authority of the Grantee
Exhibit F	Reimbursement of Project Costs
Exhibit G	Grant Requirements and Contract Clauses
Exhibit H	Quarterly Progress Reports: Format and Content

- 1.6 This Grant Agreement shall also include the following Attachments as integral parts hereof:

Attachment A	Statement of Work
Attachment B	Estimated Project Schedule
Attachment C	Estimated Project Budget
Attachment D	Performance Measurement Table

- 1.7 In the case of any inconsistency or conflict between the specific provisions of this Grant Agreement, the Exhibits, and the Attachments, such inconsistency or conflict shall be resolved as follows: First, by giving preference to the specific provisions and terms of this Grant Agreement; second, by giving preference to the provisions and terms of the Exhibits; and, finally by giving preference to the provisions and terms in the Attachments.

SECTION 2. GRANTEE AND PROJECT INFORMATION

Grantee, in accordance with the requirements of the TIGER Discretionary Grant Program, provides the following information:

2.1 Project's Statement of Work Summary (for further information see Attachment A):

The University City Prosperity Project will link the town of Sweetwater and Florida International University through technology improvements, streetscaping and transit services. This Project will create an electronic wayfinding system useful for people to travel to and through the FIU campus and creates a complete street to connect two portions of the campus that are currently disconnected. It also includes a new pedestrian bridge over a busy arterial route.

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

Actual Completion of NEPA:	February 25, 2014
Planned Release of RFP/PS&E Approval:	May 20, 2014
Planned Design/Build Contract Award:	March 30, 2015
Planned Start Date of Design-Build:	April 10, 2015
Planned Start Construction:	December 29, 2015
Planned Project Construction Substantial Completion and Open to Traffic:	December 29, 2017

2.3 Project's Budget Summary (for further information see Attachment C):

TIGER Grant Funds and Additional Sources of Project Funds:

TIGER Discretionary Grant Amount:	\$11,397,120	73.5%
Other Federal Funds (TAP ¹):	\$ 1,000,000	6.5%
State Funds (FDOT):	\$ 60,000	0.4%
Local Funds ** (City of Sweetwater):	\$ 1,991,061	12.8%
Other Funds (FIU):	\$ 1,057,482	6.8%
Total Project Cost:	\$15,505,663	100.0%

** Local funds include \$1,745,800 in donated City of Sweetwater RoW.

If there are any cost savings or if the contract award is under the engineer's estimate, 23 C.F.R. 630.106(f) shall not apply to any match for the TIGER Discretionary Grant amount, and the Grantee's funding amount and percentage share may be reduced, provided that the

¹ FDOT approved Federal Transportation Alternatives Program funding. No match required.

Grantee's share of the costs under the Act may not be reduced below 20% for urban area projects.

2.4 Project's State and Local Planning Requirements:

Transportation Improvement Plan: Miami-Dade MPO amended the FY2013/2014 through FY 2017/2018 Transportation Improvement Plan to include the University City Prosperity Project on February 20, 2014.

Long Range Transportation Plan: Project adopted in the 2035 Long Range Transportation Plan by the Miami-Dade MPO on February 20, 2014

State Transportation Improvement Plan: FY 2013/2014 through FY 2017/2018 State Transportation Improvement Plan amended to include the Project on February 24, 2014.

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

Name of Agency and Office Approving each Environmental Decision Document:

Federal Highway Administration Florida Division

2.6 Grantee's and any Sub-Grantee's Dun and Bradstreet Information:

Dun and Bradstreet Data Universal Numbering System (DUNS) No. of the Grantee: FIU 071298814

Name of any First-Tier Sub-Grantees or Sub-Recipients: N/A

DUNS No. of First-Tier Sub-Grantee or Sub-Recipient: N/A

2.7 Grantee's Designation of Official Contact (to whom all communications from Government will be addressed):

Kenneth A. Jessell
Chief Financial Officer and Senior Vice President
Florida International University
11200 S.W. 8th Street, 523 PC, Miami Florida 33199
305 348-2101
kjessell@fiu.edu

Harold Desdunes,
District Director of Transportation Development
Florida Department of Transportation, District 6
1000 NW 11th Avenue, Miami, 33172
305 470-5464
harold.desdunes@dot.state.fl.us

Notwithstanding paragraph 5.3 of this Grant Agreement, the Grantee may update the contact information listed in this paragraph by written notice (formal letter) to the Government without the need for a formal amendment to this Agreement.

SECTION 3. REPORTING REQUIREMENTS

Subject to the Paperwork Reduction Act, and consistent with the purposes of the TIGER Discretionary Grant Program, Grantee agrees to collect data necessary to measure performance of the Project and to ensure accountability and transparency in Government spending. Grantee further agrees to submit periodic reports to the Government that contain data necessary to measure performance of the Project and to ensure accountability and transparency in Government spending.

- 3.1 **Project Outcomes and Performance Measurement Reports:** Grantee shall collect the data necessary to track and report on each of the performance measures identified in the Performance Measurement Table in Attachment D and report results of the data for each measure to the Government periodically, according the reporting schedule identified in Attachment D. Furthermore, Grantee agrees to provide an initial Pre-project Report and a final Project Outcomes Report to the Government.
 - 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 **February 29, 2016**. Grantee shall represent that the data in the Pre-project Report is current as of **November 30, 2015**.
 - 3.1.2 Grantee shall submit interim Project Performance Measurement Reports to the Government for each of the performance measures specified in the Performance Measurement Table in Attachment D following Project completion. Grantee shall submit reports at each of the intervals identified for the duration of the time period specified in the Performance Measurement Table in Attachment D. Grantee shall represent that the data in each of the interim Project Performance Reports is current as of the final date of the reporting interval.
 - 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 **February 28, 2024** 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 **December 29, 2023**.

- 3.1.4 Grantee shall submit each report via email to each of the Government contacts identified in paragraph 3.5 of this Agreement and, additionally, to outcomes@dot.gov. The email shall reference and identify in the email subject line the TIGER Grant Number and provide the number of the Performance Measures report submitted, e.g., Re: FHWA FY 2013 TIGER Discretionary Grant No. 12 - Performance Measure Report No. 1 or 2 or 3, etc.
- 3.2 **Project Progress and Monitoring Reports:** Consistent with the purposes of the TIGER Discretionary Grant Program, to ensure accountability and transparency in Government spending, the Grantee shall submit quarterly progress reports and the Federal Financial Report (SF-425) to the contacts designated by the Government in section 3.5, as set forth in Exhibit H, Quarterly Progress Reports: Format and Content, to the Government on a quarterly basis, beginning on the 20th of the first month of the calendar year quarter following the execution of the Agreement, and on the 20th of the first month of each calendar year quarter thereafter until completion of the Project. The initial report shall include a detailed description, and, where appropriate, drawings, of the items funded.
- 3.2.1 The Grantee shall submit all required reports and documents to the Government electronically, referencing the Grant number, to the contacts designated by the Government in section 3.5.
- 3.3 **Annual Budget Review and Program Plan:** The Grantee shall submit an Annual Budget Review and Program Plan to the Government via e-mail 60 days prior to the end of each Agreement year. The Annual Budget Review and Program Plan shall provide a detailed schedule of activities, estimate of specific performance objectives, include forecasted expenditures, and schedule of milestones for the upcoming Agreement year. If there are no proposed deviations from the approved Estimated Project Budget, the Annual Budget Review shall contain a statement stating such. The Grantee will meet with the Government to discuss the Annual Budget Review and Program Plan. If there is an actual or projected project cost increase, the annual submittal should include a written plan for providing additional sources of funding to cover the project budget shortfall or supporting documentation of committed funds to cover the cost increase.
- 3.4 **Closeout Process:** Closeout occurs when all required project work and all administrative procedures described in Title 23 (or 49 C.F.R. Part 18 or Part 19, as applicable) are completed, and the Government notifies the Grantee and forwards the final Federal assistance payment, or when the Government acknowledges Grantee's remittance of the proper refund. Within 90 days of the Project completion date or termination by the Government, the Grantee agrees to submit a final Federal Financial Report (SF-425), a certification or summary of project expenses, and third-party audit reports.
- 3.5 All notices or information required by this Agreement should be addressed and sent to all the Government contacts as follows:

FHWA Field (Division or Federal Lands) Contact Designated as Official Contact:

Jorge J. Rivera
District 6 Transportation Engineer
Federal Highway Administration- Florida Division
George C. Young Federal Building and Courthouse
400 W. Washington Street Room 4101
Orlando, FL 32801
850-553-2233
jorge.rivera@dot.gov
and

FHWA TIGER Program Manager
Federal Highway Administration
Office of Freight Management and Operations
1200 New Jersey Avenue, SE
Room E84-444
Washington, DC 20590
(202) 366-0857
FHWA-TIGER.Reports@dot.gov

and

OST TIGER Discretionary Grants Coordinator
United States Department of Transportation
Office of the Secretary
1200 New Jersey Avenue, SE
Washington, DC 20590
(202) 366-8914
TIGERGrants@dot.gov

Notwithstanding paragraph 5.3 of this Grant Agreement, the Government may update the contact information listed in this paragraph by written notice (formal letter) to the Grantee without the need for a formal amendment to this Agreement.

SECTION 4. SPECIAL GRANT REQUIREMENTS

There are no special grant requirements for this Project.

SECTION 5. TERMINATION, EXPIRATION, AND MODIFICATION

- 5.1 Subject to terms set forth in this Agreement, the Government reserves, in its sole discretion, the right to terminate this Agreement and all of its obligations associated with this Agreement, unless otherwise agreed to in a signed writing between the Grantee and the Government, if any of the following occurs:
 - 5.1.1 The Grantee fails to obtain or provide any non-TIGER Discretionary Grant contribution or alternatives approved by the Government as provided in this Agreement and in accordance with paragraphs 2.2 and 2.3;

- 5.1.2 The Grantee fails to begin construction before **February 29, 2016**;
- 5.1.3 The Grantee fails to begin expenditure of Grant funds by **April 8, 2016**;
- 5.1.4 The Grantee fails to meet the conditions and obligations specified under this Agreement including, but not limited to, a material failure to comply with schedule in paragraph 2.2 even if it is beyond the reasonable control of the Grantee, or after giving the Grantee a reasonable opportunity to cure such failure; or,
- 5.1.5 The Government, in its sole discretion, determines that termination of the Agreement is in the public interest.
- 5.2 Funds made available under this Agreement shall be obligated by DOT on or before September 30, 2014. Funds made available under this Agreement, once obligated, are available for liquidation and adjustment through September 30, 2019, the "Grant Termination Date." Unless otherwise agreed to by the parties, this Agreement shall terminate on the Grant Termination Date.
- 5.3 Either party (the Government or the Grantee) may seek to amend or modify this Agreement prior to the Grant Termination Date by written notice (formal letter) to the other party and in accordance with 49 C.F.R. Parts 18.43 and 18.44. The Grant Agreement may be amended or modified only on the mutual written agreement by both parties. Changes to Attachments B and C (Estimated Project Schedule and Estimated Project Budget) do not require modification through the process in this paragraph if such modifications do not affect the dates or amounts in paragraphs 2.2 and 2.3, and the change has been consented to by the Government in writing consistent with the requirements of FHWA (including by email).

SECTION 6. AWARD AND EXECUTION OF GRANT AGREEMENT

- 6.1 **Counterparts:** This Agreement may be executed in counterparts, which shall constitute one document. This Agreement shall be executed in quadruplicate; each countersigned original shall be treated as having identical legal effect.
- 6.2 **Effective Date:** The Agreement shall be effective when fully executed by authorized representatives of the Grantee and the Government; provided, however, that the Grantee shall execute this Agreement, and then submit four (4) original signed copies of the Agreement to the Government for execution. When signed and dated by the authorized official of the Government, this instrument will constitute an Award under the Act.
- 6.3 **Survival:** Notwithstanding anything to the contrary contained herein, the provisions of this Agreement relating to reporting requirements set forth in Section 3 of this Agreement shall survive the expiration or earlier termination of this Agreement.

EXECUTION BY THE GOVERNMENT

Executed this 5th day of June, 2014.

James Christian

Signature of Government's Authorized Representative

JAMES CHRISTIAN

Name of Government's Authorized Representative

DIVISION ADMINISTRATOR

Title

EXECUTION BY THE FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES

By signature below, the Grantee/Recipient acknowledges that it accepts and agrees to be bound by this Agreement.

Executed this 4th day of JUNE, 2014.



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

By signature below, the State Department of Transportation (SDOT) acknowledges that it agrees to act as a limited agent for the Grantee to assist in the receipt and disbursement of the TIGER Discretionary Grant obligated by this Agreement and to perform such other administrative and oversight duties with respect to the Grant and the Project as the Grantee and the SDOT shall agree upon between themselves. The SDOT acknowledges the fiduciary duty owed to the parties to this agreement and will promptly disburse the TIGER Grant to the Grantee at Grantee's direction and instructions. Further, the SDOT will comply with all applicable Federal laws, regulations, executive orders, policies, guidelines, and requirements as they relate to the duties it assumes under this Agreement in compliance with the terms and conditions contained herein.

Executed this 14th day of June, 2014.



Gus Pego
FDOT District VI Secretary

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
- 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
- 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 107th 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
- vi. Software, Garage & Transit Applications, and ITS Testing
- vii. Construction, Engineering & Inspection (CEI) – 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.

ATTACHMENT B ESTIMATED PROJECT SCHEDULE

INFRASTRUCTURE

Project Milestone/Deliverable Schedule:

	Start Date	End Date
Actual Completion of NEPA:	N/A	February 25, 2014
Planned Release of PS&E/RFP Package Approval:	N/A	May 20, 2014
Planned Design/Build Construction Advertisement:	June 30, 2014	July 30, 2014
Planned Firm Selected By FIU and Concurred by FHWA/FDOT:	February 5, 2015	February 19, 2015
Planned Design/Build Construction Award:	March 30, 2015	March 30, 2015
Planned Start Date of Design-Build:	April 10, 2015	N/A
Planned Start Construction Date:	December 29, 2015	N/A
Pedestrian-Oriented Shared-Use Bridge:	March 1, 2016	September 30, 2016
Site Preparation, Landscaping & Irrigation: ²	December 29, 2015	October 15, 2016
Utilities & Lighting:	January 15, 2016	October 15, 2016
Storm Water System:	January 31, 2016	September 30, 2016
Paving & Parking:	February 20, 2016	November 30, 2016
Streetscaping Furnishings & Equipment:	February 28, 2016	December 15, 2016
Professional Fees – Fire Marshall, Surveys:	March 1, 2016	May 1, 2017
Plazas, Walkways, Pavilions & AIMS:	June 1, 2017	December 29, 2017
Roadway Improvements, AIMS Platform area:	June 1, 2017	December 29, 2017
Planned Project Construction Substantial Completion & Open to Traffic:	N/A	December 29, 2017
Planned Final Construction:	N/A	February 9, 2018
Professional Services – Design-Build, Contractor CEI:	April 10, 2015	March 30, 2018
Planned Close-Out Documentation:	January 2, 2018	March 30, 2018

² Extended site preparation end date reflects site preparation for AIMS platform.

COMMUNITY TRANSIT SERVICE DEVELOPMENT ENHANCEMENTS

Project Milestone/Deliverable Schedule:

	Start Date	End Date
Transfer of Title from FIU to Sweetwater and Operational Agreements:	December 15, 2014	July 1, 2015
Acquire Community Transit Vehicle & Identify Back-up Use:	February 28, 2015	December 31, 2015
Assess Back-Up Circulator Bus & Compile Inventory:	December 28, 2014	July 1, 2015
Assess Small Hybrid-Electric Trolley & Compile Inventory:	December 28, 2014	July 1, 2015
Rebuild, Repair & Enhance Small Hybrid-Electric Trolley & Back-Up Circulator Bus:	July 1, 2015	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	June 30, 2015
Garage, Transit & Street Applications Development:	September 15, 2014	March 31, 2016
Sensors, Streetsmart, Aerials & other ITS System Design & Installation:	September 15, 2014	May 30, 2016
Software Acquisition & Licenses /Development:	September 15, 2014	June 30, 2016
Pilot and Communications Plans:	May 31, 2016	September 30, 2016
Software, Garage & Transit Applications & ITS Testing:	September 30, 2016	December 28, 2017
CEI - Sensors, Streetsmart, Aerials & ITS Elements:	September 15, 2014	December 28, 2017
ITPA Operational:	December 30, 2017	N/A
Planned Close-Out Documentation:	January 2, 2018	March 30, 2018

DESIGN/ENGINEERING SERVICES & CONSTRUCTION MANAGEMENT (DES & CM)**Project Milestone/Deliverable Schedule:**

	Start Date	End Date
Begin DES & CM:	July 1, 2014	March 30, 2018
Complete Academic and Other Support for Infrastructure, Community Transit Development & ITPA:	July 1, 2014	June 30, 2015
Complete Infrastructure Staff Support & Professional Services for Design, Construction & CEI:	July 1, 2014	December 30, 2017
Planned Close-Out Documentation:	January 2, 2018	March 30, 2018

ATTACHMENT C ESTIMATED PROJECT BUDGET

TABLE 1 – OVERALL PROJECT BUDGET SUMMARY

PROJECT COMPONENT	ACTIVITY	TOTAL PROJECT BUDGET	TIGER	OTHER FEDERAL FUNDS (TAP)	FIU	CITY OF SWEET-WATER	FDOT
INFRASTRUCTURE	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	
COMMUNITY TRANSIT	Community Transit	\$ 342,900			\$257,175	\$ 85,725	
ITPA	Technology/Program Applications	\$2,368,836	\$2,156,832		\$212,004		
DES & CM	Design/engineering services & construction management	\$752,148	\$692,148				\$60,000
TOTAL		\$15,505,663	\$11,397,120	\$1,000,000	\$1,057,482	\$1,991,061	\$60,000

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

Table 2 – Infrastructure Project Budget Summary						
ACTIVITY/ TASK	ESTIMATED INFRA- STRUCTURE BUDGET	TIGER FUNDS	OTHER FEDERAL FUNDS (TAP)	FIU FUNDS	CITY OF SWEET- WATER FUNDS	FDOT FUNDS
Right of Way **	\$ 1,745,800				\$1,745,800	
Construction, Design, and Professional Services						
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				
Total Budget	\$12,041,779	\$8,548,140	\$1,000,000	\$ 588,302	\$1,905,337	

** 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	\$ 52,530			\$ 52,530		
Assess Back-Up Circulator Bus & Compile Inventory	\$ 7,250				\$ 7,250	
Assess Small Hybrid- Electric Trolley & Compile Inventory	\$ 21,100				\$ 21,100	
Rebuild, Repair & Enhance Small Hybrid- Electric Trolley & Back-Up Circulator Bus	\$250,020			\$204,645	\$ 45,375	
Complete Testing Vehicles & Prepare for Full Operational Use	\$ 12,000				\$ 12,000	
Total Budget	\$342,900			\$257,175	\$ 85,725	

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

ACTIVITY/ TASK	ESTIMATED ITPA BUDGET	TIGER FUNDS	OTHER FEDERAL FUNDS (TAP)	FIU FUNDS	CITY OF SWEET- WATER FUNDS	FDOT FUNDS
Software Acquisition & Licenses/ Development	\$ 500,000	\$ 500,000				
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	\$ 700,000	\$ 700,000				
Pilot & Communications Plans	\$ 100,000	\$ 100,000				
Software, Application & ITS Testing	\$ 141,836	\$ 141,836				
Construction, Engineering & Inspection (CEI)— Sensors, Streetsmart, Aerials, & ITS Elements	\$ 127,000	\$ 127,000				
Total Budget	\$2,368,836	\$2,156,832		\$212,004		

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

ACTIVITY/TASK	ESTIMATED DES & CM BUDGET	TIGER FUNDS	OTHER FEDERAL FUNDS (TAP)	FIU FUNDS	CITY OF SWEETWATER FUNDS	FDOT FUNDS
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				
Total Budget	\$752,148	\$692,148				\$60,000

ATTACHMENT D PERFORMANCE MEASUREMENT TABLE

Study Area: University City (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 November 30, 2015 Interim Performance Measures: Accurate as of December 29, annually	Baseline Measurement: February 29, 2016 Interim Performance Measures: For a period of 5 years, beginning February 28, 2019 annually
Parking Utilization	Parking utilization, by time of day, for the parking spaces for the project area	Baseline Measurement: Annual average, accurate as of November 30, 2015 Interim Performance Measures: Accurate as of December 29, annually	Baseline Measurement: February 29, 2016 Interim Performance Measures: For a period of 5 years, beginning February 28, 2019 annually
User Survey	Annual surveys (before and after) of users in the study area regarding the following qualitative issues: <ul style="list-style-type: none"> Ease of access to the road 	Baseline Measurement: Annual average,	Baseline Measurement: February 29, 2016 Interim Performance

	<ul style="list-style-type: none"> • Ease of access to the bridge and surrounding study areas • Improved safety • Use of /Access to bike & pedestrian path • Trip origination/destination • Travel purpose and Increased pedestrian and bicycle usage • reaction to the reconstruction project • prospective views of the study area • household demographics • tenure information • socioeconomic characteristics 	<p>accurate as of November 30, 2015</p> <p>Interim Performance Measures:</p> <p>Accurate as of December 29,, annually</p>	<p>Measures:</p> <p>For a period of 5 years, beginning February 28, 2019 annually</p>
Annual Parcel Occupancy and Value in Project Area	Annual parcel occupancy rate and gross value by type (commercial, residential, mixed use) of properties within 3 mile radius of the project site before the project and then annually after the project opens for operation under normative conditions	<p>Baseline Measurement:</p> <p>November 30, 2015</p> <p>Interim Performance Measures:</p> <p>Accurate as of December 29, annually</p>	<p>Baseline Measurement:</p> <p>February 29, 2016</p> <p>Interim Performance Measures:</p> <p>For a period of 5 years, beginning February 28, 2019 annually</p>