

**UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL TRANSIT ADMINISTRATION
WASHINGTON, D.C., 20590**

FULL FUNDING GRANT AGREEMENT

SAN DIEGO ASSOCIATION OF GOVERNMENTS (SANDAG)

MID-COAST CORRIDOR TRANSIT PROJECT

CA-2016-021-00

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**UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL TRANSIT ADMINISTRATION**

**FULL FUNDING GRANT AGREEMENT
(FTA FFGA-22, October 1, 2015)**

On the date the authorized U.S. Department of Transportation, Federal Transit Administration (FTA) official signs this Full Funding Grant Agreement, the Government (FTA) has Awarded Federal assistance in support of the Project described below. Upon Execution of this Full Funding Grant Agreement by the Grantee named below, the Grantee affirms this Award by the Government (FTA Award), and enters into this Full Funding Grant Agreement with FTA. The following documents are incorporated by reference and made part of this Full Funding Grant Agreement:

- (1) "Federal Transit Administration Master Agreement," FTA MA(22), October 1, 2015, <http://www.fta.dot.gov/documents/22-Master.pdf>;
- (2) The Certifications and Assurances applicable to the Project that the Grantee has selected and provided to FTA; and
- (3) Any Award notification containing special conditions or requirements, if issued.

FTA AWARD

The Government (FTA) hereby awards a Full Funding Grant as follows:

Project Number(s): CA- 2016-021-00

Grantee: San Diego Association of Governments, San Diego, California

Citation of Statutes Authorizing the Project: 49 U.S.C. §§ 5309(b), 5309(d)

Estimated Net Project Cost: \$2,171,200,545

Maximum FTA Amount Awarded, including this amendment: \$100,000,000

Amount of this FTA Award: \$100,000,000

Maximum Federal New Starts Financial Contribution: \$1,043,380,000

Maximum Percentage of FTA Participation: 48.06 percent

Maximum Percentage of New Starts Participation: 48.06 percent

Dates of U. S. Department of Labor Certifications of Transit Employee Protective Arrangements:

<u>Original Project or Amendment Numbers</u>	<u>Certification Dates</u>
CA-2016-021-00	July 11, 2016

Revenue Service Date: November 23, 2022

Project Description:

The Mid-Coast Corridor Transit Project (the Project) would extend the San Diego Trolley Blue Line from the Santa Fe Depot in downtown San Diego to the University Town Center (UTC) Transit Center in University City. The Project would use the existing Trolley tracks for approximately 3.5 miles from the Santa Fe Depot to a point just north of the Old Town Transit Center (OTTC) and south of the San Diego River.

The Project consists of the design and construction of a 10.92 mile dual-track LRT extension of the San Diego Metropolitan Transit System's (MTS) existing Blue Line. The project includes nine stations (four at-grade and five elevated), three park-and-ride facilities, two shared use parking lots with a total of 1,170 spaces, two transfer centers, and 36 light rail vehicles.

For a more detailed description, see Attachments 1 and 2.

**UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL TRANSIT ADMINISTRATION**

FULL FUNDING GRANT AGREEMENT TERMS AND CONDITIONS

THIS FEDERAL TRANSIT ADMINISTRATION FULL FUNDING GRANT AGREEMENT (Agreement) is entered into by the San Diego Association of Governments (SANDAG) (Grantee) and the United States of America, acting through the United States Department of Transportation, Federal Transit Administration (FTA or Government).

WHEREAS, the Grantee has determined through its local planning process that construction of the Mid-Coast Corridor Transit Project (hereafter, the "Project") will effectively and efficiently serve the transportation needs of the cities, townships, and counties in San Diego County, California.

WHEREAS, the Grantee has developed a Financial Plan, as herein defined, using a combination of local, state, and Federal funds to finance the costs of the Project and, in accordance with its plan, has requested a Grant, as herein defined, of Federal financial assistance in the Project.

WHEREAS, the Government has determined to enter into this Agreement and to support final design and construction of the Project up to a Maximum Federal New Starts Financial Contribution of \$1,043,380,000 in capital New Starts funds, subject to all the terms and conditions set forth in this Agreement.

WHEREAS, the Grantee has submitted its request for Federal assistance (the Application) and the Government has received and is relying upon the Grantee's assurances, certifications, and all other documents required as conditions precedent to a Grant of assistance by the Government for the Project; and, in its submissions, the Grantee has demonstrated justification for the Project, has demonstrated its financial, organizational, legal and technical capacity as is necessary to Complete the Project within the maximum amount of Federal assistance set forth in this Agreement, and has demonstrated the capability to secure non-Federal funds as may be necessary for such completion.

WHEREAS, the Government has determined that the Project is justified based on a comprehensive review of its mobility improvements, environmental benefits, cost effectiveness, land use, economic development effects, and congestion relief; the Project is supported by policies and land use patterns that promote public transportation, including plans for future land use and rezoning, and economic development around public transportation stations; and the Project is supported by an acceptable degree of local financial commitment, including evidence of stable and dependable financing sources to construct, maintain, and operate the Project.

WHEREAS, the Government and the Grantee have agreed that their respective duties and responsibilities as related to the completion of the Project shall be determined by and under the terms and conditions of this Agreement and have agreed that this Agreement shall be recognized as the sole understanding between the Government and the Grantee in consideration of the mutual promises as set forth in this Agreement.

THEREFORE, in consideration of the above and the parties' mutual promises as set forth in this Federal Transit Administration Full Funding Grant Agreement, the Grantee and the Government agree to the specific terms, conditions, and provisions set forth in this entire Agreement including, in particular, the specific terms of the following Sections and Attachments:

SECTION 1. DEFINITIONS

"Agreement" means this Federal Transit Administration Full Funding Grant Agreement (FFGA) and consists of all parts and documents listed in Section 20 of this Agreement, "Contents of Agreement," and will include all future addenda, substitutions, modifications and amendments as and when legally executed and effective. (This definition supersedes the definition of "Grant Agreement" set forth in Section 2.22 of the Federal Transit Administration Master Agreement (Master Agreement), incorporated by reference and made part of this Agreement.)

"Application" means those documents and written submissions filed by or on behalf of the Grantee pursuant to its request for Federal financial assistance for support of the Project and relied upon by the Government as satisfaction of the legal and policy requirements of Grant award. The Application includes all explanatory, supporting, or supplementary documents related to the Project that the Government relied upon in its determination to obligate and award Federal funds for the Project. (This definition is intended to supplement the definition "Application" set forth in Section 2.1 of the Master Agreement, incorporated by reference and made part of this Agreement.)

"Baseline Cost Estimate" means the Application document described in Section 13 of this Agreement and set forth in Attachment 3. The requirements of the Baseline Cost Estimate are set forth in FTA Circular 5200.1A, "Full Funding Grant Agreements Guidance," as may be revised from time to time. The Baseline Cost Estimate reflects the total anticipated cost of the Project as of the Date of this Agreement.

"Complete the Project" means to accomplish all of the scope and activities of the Project as described in Attachment 1, "Scope of the Project," and Attachment 2, "Project Description."

"Date of this Agreement" means the date the Government awards this Full Funding Grant Agreement.

"Estimated Net Project Cost" means the amount that is calculated by subtracting the cost that can reasonably be financed from the Grantee's revenue from the total anticipated cost of the Project as reflected in the "Baseline Cost Estimate," Attachment 3 to this Agreement. The Estimated Net Project Cost is set forth in Section 7 of this Agreement.

"Financial Plan" means the plan accepted by the Government as part of the Application process describing the Grantee's financial condition and capability to complete the Project and to maintain and operate the Project together with its existing transit system. It includes all explanatory, supporting and supplementary documents, commitments, and agreements accepted or approved by the Government.

"Government" means the United States of America, acting through the Federal Transit Administration of the United States Department of Transportation.

"Grantee" means the San Diego Association of Governments (SANDAG).

"Grant(s)" means, in singular and plural forms, the obligation and award of Federal financial assistance by the Government pursuant to the laws codified at 49 U.S.C. Chapter 53.

"Local Share" means that portion of the Grantee's local financial commitment that is the Grantee's legally required share of the Net Project Cost.

"Master Agreement" means the standard terms and conditions applicable to recipients of Federal financial assistance from the Government. It is updated and published annually. It is incorporated by reference and made part of this Agreement and identified in Federal Fiscal Year 2015 by FTA Form MA(22) (October 1, 2015).

"Maximum Federal New Starts Financial Contribution" means the limit of Federal capital New Starts financial participation in the Project. (The amount of the "Maximum Federal New Starts Financial Contribution" is set forth in Section 8 of this Agreement, "Limitations of the Federal Funding Commitment," and is only a portion of the total Federal financial contribution for the Project.)

"Maximum FTA Amount Awarded" means the total amount of Federal funds from all sources administered by FTA and awarded for the Project, regardless of source, and available to the Grantee. (This amount is set forth in the first page of this Agreement.)

"Net Project Cost" means the cost of the Project that cannot reasonably be financed from the Grantee's revenues.

"Project" means the transit/transportation improvements the Grantee has promised to implement as a condition of its Full Funding Grant. A description of the Project is set forth in Attachment 1, "Scope of the Project." Activities to carry out the project scope are set forth in Attachment 2, "Project Description."

"Project Costs" means all costs eligible for Federal financial participation under the terms of this Agreement and consistent with the cost principles set forth in Section 9 of the Master Agreement, "Payments."

"Recovery Plan" means a plan developed by the Grantee, and accepted by the Government, whereby the Grantee will take every reasonable measure to minimize any delay in achieving the baseline schedule set forth in Attachment 4 to this Agreement (the Baseline Schedule) and eliminate or otherwise mitigate [recover] any increase in the total project costs as currently estimated, as compared to the total project cost identified in Attachment 3 to this Agreement (the Baseline Cost Estimate).

"Revenue Service Date" means the date certain upon which the Grantee shall commence revenue operations of the Project as defined in Section 5 of this Agreement.

SECTION 2. PURPOSES OF AGREEMENT

Pursuant to 49 U.S.C. § 5309, the purposes of this Agreement are to:

- (a) provide Federal financial assistance to the Grantee in the form of this Full Funding Grant and possible future awards of financial assistance as contemplated under this Agreement, not to exceed the Maximum Federal New Starts Financial Contribution for the Project, as is and may be awarded under this Agreement and the laws codified at 49 U.S.C. Chapter 53 for purposes that are consistent with those statutes, implementing regulations, and other applicable laws and regulations;
- (b) describe the Project and set forth the mutual understandings, terms, conditions, rights and obligations of the parties related to implementing the Project, the future management and operation of the Project, and the manner in which Project real property and equipment will be used;
- (c) establish the Maximum Federal New Starts Financial Contribution for the Project, and the manner in which all future Federal funds for the Project, if any, will be awarded and released to the Grantee;
- (d) establish the Grantee's financial commitment to the Project including its obligation to fund the Local Share, its obligation to Complete the Project with a specified amount of Federal assistance, its obligation to achieve revenue operation of the Project by a specified date, its obligation to pay all costs necessary to Complete the Project that are in excess of the Estimated Net Project Cost, and its obligation to finance the future maintenance and operational costs of the Project; and
- (e) facilitate timely and efficient management of the Project.

SECTION 3. PREVIOUS FEDERAL DOCUMENTS AND GRANTS

- (a) The Government's laws, policies and procedures require the completion of a project development process and environmental review prior to the Award and Execution of this Agreement. Prior Grants of Federal assistance awarded by the Government for this project development process are described in Attachment 5 to this Agreement. These Grants (and any other documents that are described in Attachment 5, including Letters of No Prejudice) are incorporated by reference and made part of this Agreement, except for the terms and conditions thereof specifically superseded by this Agreement. Further, in executing this Agreement, the Grantee assures that the certifications and assurances (made by the Grantee or on behalf of the Grantee or by a third party) upon which the Government relied in these prior actions were made to the Government in good faith and to the best of the Grantee's knowledge and belief, and that the Grantee has no present knowledge of facts or circumstances substantially affecting the continued validity of these certifications and assurances that the Grantee has not formally conveyed to the Government prior to the Government's Award of funding set forth in this Agreement.

(b) This Agreement does not discharge or rescind any of the terms, conditions, or obligations established under the documents set forth in Attachment 5 unless specifically stated otherwise herein. Further, the terms, conditions and obligations of this Agreement take precedence over the provisions of all prior agreements related to the Project between the Grantee and the Government and will be controlling for all actions related to the Project taken after the Date of this Agreement, unless specifically stated otherwise herein.

(c) No amendments will be sought or approved to increase the amount of funds in the prior Grants listed in Attachment 5 beyond the amounts described in this Agreement as available to the Project.

SECTION 4. OBLIGATION TO COMPLETE THE PROJECT

(a) The Government has no obligation to provide any financial assistance for the Project beyond the Maximum Federal New Starts Financial Contribution. If the total Federal funding provided under Section 8 of this Agreement, "Limitations of Federal Funding Commitment," is insufficient to undertake revenue service of the Project and the subsequent activities necessary to Complete the Project, the Grantee agrees to Complete the Project and accepts sole responsibility for the payment of any additional costs (overruns).

(b) If at any time during its efforts to Complete the Project the Grantee determines that the total Project Cost will exceed the Baseline Cost Estimate, the Grantee must immediately notify the Government of the amount of the difference and the reasons for the difference. Further, the Grantee must provide the Government with a Recovery Plan that demonstrates the Grantee is taking and will take every reasonable measure to eliminate [recover] the difference between the total Project Cost and the Baseline Cost Estimate. Insofar as any difference between the total Project Cost and the Baseline Cost Estimate cannot be eliminated [recovered], the Grantee must secure and provide such additional resources as are necessary to meet the additional costs and expeditiously complete the Project without further financial assistance from the Federal capital New Starts program. Further, in its Recovery Plan, the Grantee must identify the sources of funds it will draw upon to meet the additional costs and cover the difference between the total Project Cost and the Baseline Cost Estimate.

SECTION 5: REVENUE SERVICE DATE AND LEVELS OF SERVICE

(a) The Grantee agrees and promises to achieve revenue operations of the Project on or before November 23, 2022, the Revenue Service Date, in accordance with the terms and conditions of this Agreement.

(b) The Revenue Service Date is a significant term of this Agreement. The Grantee's failure to achieve the operational functions of the Project on or before the Revenue Service Date will constitute a breach of this Agreement. Upon the Grantee's request, the Government may determine at its sole discretion to waive a breach or an anticipatory breach of this Agreement and to extend the Revenue Service Date if there is an unavoidable delay in achieving the operational goals of the Project resulting from an event or circumstance beyond the control of the Grantee, or if the Government determines that allowing the delay is in the best interest of the Government and the success of the Project. Requests by the Grantee for waiver of a

breach or anticipatory breach of this Agreement and extension of the Revenue Service Date for the reasons set forth herein shall be submitted promptly (with appropriate documentation) to the Government. In the exercise of its discretion to waive the breach and extend the Revenue Service Date, the Government will take into consideration the actions and measures taken by the Grantee to ensure adherence to its promise to achieve the operational goals of the Project on or before the scheduled Revenue Service Date.

- (c) Delays in appropriations of funds from Congress shall not constitute a basis for extension of the Revenue Service Date.
- (d) The Government's consent to extend the Revenue Service Date pursuant to Paragraph (b) of this Section 5 does not constitute a basis for additional Federal financial assistance beyond the Maximum Federal New Starts Financial Contribution.
- (e) Set forth in Attachment 1 to this Agreement, "Scope of Project," are the hours of service and headways the Grantee will maintain once the Project is opened to Revenue Service and for no less than five (5) years thereafter. These specified Levels of Service are a significant term of this Agreement. The Grantee's failure to achieve and maintain these Levels of Service at the Revenue Service Date and for five (5) years thereafter will constitute a breach of this Agreement. Upon the Grantee's request, the Government may determine in its sole discretion to waive a breach of the Grantee's obligation to maintain these specified Levels of Service for events or circumstances beyond the control of the Grantee, or if the Government determines that a waiver is in the interests of the United States. In the exercise of its discretion whether to waive a breach of the specified Levels of Service, the Government will take into consideration the actions and measures taken by the Grantee to achieve and maintain the operational goals of the Project and the Grantee's entire public transportation system for at least five years beyond the opening of the Project to Revenue Service.

SECTION 6. NET PROJECT COST

- (a) This Grant is to assist in the payment of actual eligible costs within the scope of the Project under this Agreement, minus any amount that can reasonably be financed from revenues of the Grantee. If the funds awarded under this grant exceed the amount necessary to finance the Federal share, those excess funds are not available to the Grantee for payment of costs beyond the scope of this Project supported by this Grant.
- (b) In accordance with the FTA Master Agreement, a refund or reduction of the Grantee's Local Share of the Net Project Cost requires a refund to the Government of a proportional amount of the Federal financial assistance provided under this Agreement.
- (c) The portion of the Net Project Cost that may be financed by the Government with capital New Starts funds may not exceed the amount of the Maximum Federal New Starts Financial Contribution for this Project as stated in Section 8 of this Agreement, "Limitations of the Federal Funding Commitment."
- (d) The Grantee acknowledges that Federal funds may be used only to reimburse eligible expenses for the Project. Should FTA determine that Federal funds have been used to

reimburse any expenses that were ineligible for Federal reimbursement, FTA will direct the Grantee either to reimburse FTA with local funds not already committed to the Project or to reduce the total project costs by the amounts found to have been ineligible.

SECTION 7. ESTIMATED NET PROJECT COST

- (a) The Government's determination to provide financial assistance for the Project is based, in significant part, upon the Grantee's estimated costs as set forth in the "Baseline Cost Estimate," Attachment 3 to this Agreement. The Estimated Net Project Cost reported in Attachment 3 is \$2,171,200,545.
- (b) The Estimated Net Project Cost financed with the Execution of this Agreement is limited by the amount of the Maximum FTA Amount Awarded. The amount of the Estimated Net Project Cost and the amount of the Maximum FTA Amount Awarded are stated in the first page of this Agreement. The amount reimbursable by the Government is limited to the lesser of either the amount of the Maximum FTA Amount Awarded or the maximum percentage of FTA participation permitted by Federal law and regulations. Additional funds will not be provided until a Grant amendment awarding additional funds and amending this Full Funding Grant Agreement is executed.

SECTION 8. LIMITATIONS OF THE FEDERAL FUNDING COMMITMENT

- (a) With its Award set forth in this Agreement, the Government obligates \$100,000,000 in Federal capital New Starts financial assistance for the Project. The sources of this Federal financial assistance are set forth in the "Project Budget," Attachment 3A. These funds are in addition to all previous Federal financial commitments to the development of the Project as set forth in the schedule of "Prior Grants and Related Documents," Attachment 5 of this Agreement.
- (b) (1) With its Award set forth in this Agreement, the Government acknowledges its intent to provide Federal capital New Starts financial assistance for the Project in addition to the amount set forth in Paragraph (a) of this Section 8. The amount of additional capital New Starts funds the Government may provide will not exceed \$943,380,000. The anticipated sources of Federal financial assistance in this amount are listed in Attachment 6 to this Agreement, "Schedule of Federal Funds for the Project." Additional funds obligated pursuant to this Paragraph will be subject to all the terms, conditions and obligations established by this Agreement. Accordingly, it is expected that the award of additional funds will be processed through amendments to this Agreement.
- (b) (2) The award by the Government of additional Federal capital New Starts financial assistance to the Project under Paragraph (b)(1) of this Section 8 is subject to the following limitations:
 - (A) the availability of appropriated funds, and
 - (B) the Grantee's continued performance under the terms and conditions of this Agreement.

- (c) The Maximum Federal New Starts Financial Contribution for this Project under the capital New Starts category of funds is limited to \$1,043,380,000 which is the sum of the amounts set forth in Paragraphs (a) and (b)(1) of this Section.

SECTION 9. FEDERAL FUNDING—OTHER SOURCES

The Maximum Federal New Starts Financial Contribution specified in Section 8(c) of this Agreement does not include funds other than from the capital New Starts program under 49 U.S.C. Chapter 53. Should such other Federal funds be provided for the Project in addition to the Federal capital New Starts funds set forth in Attachment 6 of this Agreement, the limitation on the Federal funding commitment set forth in Section 8 of this Agreement shall not apply to those funds. Accordingly, such additional funds shall be excluded from the calculation of Maximum Federal New Starts Financial Contribution. Funds awarded pursuant to this Section will be subject to all other terms, conditions and obligations set forth in the Agreement.

SECTION 10: LOCAL FINANCIAL COMMITMENT—CAPITAL COSTS

- (a) As a condition of the Government's Award of this Full Funding Grant, the Grantee has developed and adopted a Financial Plan for financing all Project Costs necessary to complete the Project. In addition to the amount of Federal funds requested, the Financial Plan includes a statement identifying the State, local and private sources of funding and the amount of funds available for and committed to the Project from each such source. This Financial Plan, as accepted by the Government, with the supporting documentation (including formal funding agreements and commitments) is hereby incorporated by reference and made part of this Agreement.
- (b) The Grantee hereby commits and certifies that it will provide funds in an amount sufficient, together with the Federal contribution (acknowledging the limitations as set forth in this Agreement), to assure timely and full payment of the Project Costs as necessary to complete the Project.
- (c) The Grantee hereby commits and certifies that the Local Share portion of its financing commitment will be provided from funding sources other than: Federal funds (except as may otherwise be authorized by Federal statute); receipts from the use of Project facilities or equipment (except as may otherwise be authorized by Federal statute); or revenues of the Project public transit system in which such facilities or equipment are used.
- (d) Given the Estimated Net Project Cost, as set forth in Section 7 of this Agreement, the Grantee's financial commitment to the Net Project Cost is estimated to total \$1,127,820,545. This amount constitutes the Local Share needed to match the Maximum Federal New Starts Financial Contribution for the Project and Other Federal Sources. In the event that the actual Federal financial contribution for the Project is reduced or is increased or the funding percentage as set forth in this Agreement is changed, the portion of the Grantee's financial contribution for the Project that is identified as Local Share shall be adjusted accordingly.
- (e) The Grantee agrees to notify the Government of any change in circumstances or commitments that adversely affects the Grantee's plan to fund the Project Costs necessary to complete the Project as set forth in the Financial Plan. In its notification, the Grantee shall

advise the Government of what actions it has taken or plans to take to ensure adequate funding resources and shall reaffirm its commitment to the Government as set forth in Paragraph (b) of this Section 10.

SECTION 11. AUTHORIZATION TO ADVANCE PROJECT WITHOUT PREJUDICE

The Grantee may incur costs or expend local funds for all phases of the Project as is reasonably necessary to advance the Project prior to an award of Federal funding assistance without prejudice to possible future Federal participation in or reimbursement of the Project Costs to the extent that such costs are incurred in accordance with all applicable Federal requirements and this Agreement. It is understood that the authority conferred on the Grantee to advance the Project without prejudice does not constitute a legal commitment by the Government to obligate and award Federal funds.

SECTION 12. LOCAL FINANCIAL COMMITMENT—OPERATING AND MAINTENANCE COSTS

- (a) As a condition of the Government's Award of funding set forth in this Agreement, the Grantee has developed and adopted a Financial Plan to finance the future operation and maintenance of the Project that also takes into consideration the Grantee's continuing financial responsibilities to operate, maintain and reinvest in its existing transit system. This Financial Plan, as accepted by the Government, and the supporting documentation (including specific funding commitments) evidencing stable and dependable funding sources are an essential part of the Grantee's Application and are made part of this Agreement by incorporation of the Application.
- (b) With the Execution of this Agreement, the Grantee assures that it has stable and dependable funding sources, sufficient in amount and in degree of commitment, to operate and maintain its entire public transportation system at an adequate and efficient level of service, including the future operation and maintenance of the Project without additional Federal assistance beyond the amounts set forth in the Financial Plan. The foregoing assurance does not preclude the Grantee from altering service through contracts with private providers of public transportation services.
- (c) The Grantee will notify the Government of any change in circumstances or commitments that adversely affects the Grantee's plan to fund the maintenance and operating costs of the Project as set forth in the Financial Plan. In its notification, the Grantee will advise the Government of actions it has taken or plans to take to ensure adequate funding resources and will reaffirm to the Government its assurance as set forth in Paragraph (b) of this Section.

SECTION 13. BASELINE COST ESTIMATE

- (a) In its Application, the Grantee submitted to the Government a Baseline Cost Estimate for the activities constituting the Project. The Baseline Cost Estimate is accepted by the Government and is Attachment 3 of this Agreement. The Baseline Cost Estimate is derived from cost estimates of the individual third party contracts and force account work that, in sum, constitute the Project; it reflects appropriate escalation and Project schedule dates.

- (b) The Government intends to use the Baseline Cost Estimate to monitor the Grantee's compliance with certain terms and conditions of this Agreement. The Baseline Cost Estimate established in Attachment 3 serves as the measure of cost estimates as of the Date of this Agreement, and should not be amended or modified during the implementation of the Project.
- (c) The Grantee will submit cost reports on the implementation of the Project as required by this Agreement and in a format consistent with the units set forth in the Baseline Cost Estimate so that the Government can, with reasonable diligence, reconcile the Grantee's reports with the Baseline Cost Estimate.

SECTION 14. BASELINE SCHEDULE

- (a) In its Application, as approved, the Grantee submitted a Baseline Schedule for the Project that demonstrates how the Grantee intends to implement the Project and meet the Revenue Operation Date. This Baseline Schedule has been accepted by the Government and is Attachment 4 of this Agreement.
- (b) The schedule for the Project may be modified from time to time at the discretion of the Grantee. However, the Baseline Schedule is not to be modified because it is to be used as a basis for comparing planned to actual project implementation. The Grantee will notify the Government when a Project schedule modification has the potential to change the Revenue Service Date and describe the actions planned to recover the schedule. The Government's acquiescence in such notice will not be deemed approval by the Government of an extension of a Revenue Service Date unless the Government expressly grants an extension in writing.

SECTION 15. PROJECT MANAGEMENT OVERSIGHT

The Project is a "Major Capital Project" as defined in FTA's Project Management Oversight regulations at 49 C.F.R. § 633.5. Accordingly, the Grantee agrees that all requirements and conditions set forth in the rule at 49 C.F.R. Part 633 apply to the Project activities. Noncompliance with any regulatory requirements shall constitute a breach of this Agreement, unless the Government formally waives the regulatory requirement.

SECTION 16. ENVIRONMENTAL PROTECTION

- (a) As a condition precedent to this Agreement, the environmental impacts of the Project have been assessed as required by law. The results of that assessment and the adopted mitigation measures are described in the environmental documents identified in Attachment 7 of this Agreement. These documents together with related agreements and supporting documentation are incorporated by reference and made part of this Agreement. To assist the Government in monitoring the implementation of the adopted mitigation measures, these measures are specifically described in Attachment 7 of this Agreement. It is understood and agreed that the description in Attachment 7 shall not supersede or in any way result in a circumvention of the requirements set forth in the Government's environmental record for the Project.
- (b) Certain terms and conditions of this Agreement, as related to the Grantee's responsibility to

ensure protection of the environment, are set forth in Section 25 of the Master Agreement, "Environmental Protections." Under Subsection 25.i "Mitigation of Adverse Environmental Effects," the Grantee is required, among other actions, to undertake all environmental mitigation measures that are identified in environmental documents prepared for the Project. Accordingly, the Grantee understands that it shall not withdraw or substantially change any of the adopted mitigation measures as described in the Government's environmental record for the Project without the express written approval of the Government.

- (c) This Section is intended only to supplement the provisions set forth in Section 25 of the Master Agreement, "Environmental Protections."

SECTION 17. LABOR PROTECTION

The Grantee will carry out the Project in conformance with the terms and conditions determined by the Secretary of Labor to be fair and equitable to protect the interests of employees affected by the Project and meet the requirements of 49 U.S.C. § 5333(b) and U.S. Department of Labor (USDOL) Guidelines at 29 C.F.R. Part 215. These terms and conditions are identified in the letters of certification from USDOL set forth in the first pages of this Agreement. The Grantee will carry out the Project in compliance with the conditions stated in the USDOL certification letters. Those letters and any documents cited therein are incorporated by reference and made part of this Agreement.

SECTION 18. GOVERNMENT ACTIONS

- (a) In all cases where the Government's review, approval or concurrence is required under the terms and conditions of this Agreement, the Government will provide its response within sixty (60) calendar days of receipt from the Grantee of all materials reasonably necessary for the formulation of the Government's response.
- (b) If the Government determines that its position cannot be finalized within that sixty (60) day period, the Government will notify the Grantee, in writing, within thirty (30) days following receipt of the Grantee's submission that the Government's response will be delayed and advise the Grantee of the Government's anticipated time period for response.
- (c) Whenever the Government's approval or concurrence is needed on any matter pertaining to or concerning this Agreement, the Government's approval or concurrence will not be unreasonably withheld.

SECTION 19. REMEDIES

- (a) Substantial failure of the Grantee to complete the Project in accordance with the Application and this Agreement will be a default of this Agreement. In the event of default, the Government will have all remedies at law and equity, including the right to specific performance, without further Federal financial assistance, and the rights to termination or suspension as provided by Section 11 of the Master Agreement, "Right of the Federal Government to Terminate." The Grantee recognizes that in the event of default, the Government may demand all Federal funds provided to the Grantee for the Project be returned to the Government. Furthermore, a default of this Agreement will be a factor

considered before a decision is made with respect to the approval of future Grants requested by the Grantee.

- (b) Under the provisions of Section 15 of this Agreement, "Project Management Oversight," and under the terms and conditions of the Master Agreement, the Government will review performance by the Grantee to determine whether satisfactory progress is being made to complete the Project. In the event that the Government determines that the Grantee is in breach of this Agreement, the Government may withhold its approvals of further funding and suspend drawdown of funds, under the provisions of Section 11 of the Master Agreement, "Right of the Federal Government to Terminate," until any necessary corrective action, which may be required by the Government, is accomplished. Any breach of this Agreement that is not corrected within a reasonable period of time will be a default of this Agreement. The Government in its discretion may permit the cost of such corrective action to be deemed a Project Cost, provided that such cost is an allowable cost under the requirements of Section 7.b of the Master Agreement, "Eligible Costs," and so long as it remains within the limits of the Maximum Federal New Starts Financial Contribution set forth in Section 8 of this Agreement, "Limitations of the Federal Funding Commitment."
- (c) In the event of a breach of this Agreement by the Grantee and before the Government takes action contemplated by this Section, the Government will provide the Grantee with ninety (90) days written notice that the Government considers that such a breach has occurred and will provide the Grantee a reasonable period of time to respond and to take necessary corrective action.

SECTION 20. CONTENTS OF AGREEMENT

This Full Funding Grant Agreement consists of the text of this Agreement, which includes the first pages setting forth significant characteristics of the Agreement (such as the maximum Federal funds obligated and awarded for expenditure on the Project and the funding ratio of Federal and local funds to be expended for the Project, and such other data), followed by the Terms and Conditions, and the Attachments to the Agreement. The Agreement also includes the following documents incorporated by reference and made part of this Agreement: the "Federal Transit Administration Master Agreement," FTA Form MA(22) (October 1, 2015), as may be revised from time to time, the Application, the Government's environmental record for the Project, related agreements, and prior Grant Agreements for the Project referenced in Attachment 5 of this Agreement. Should the Federal assistance award letter include special conditions for the Project, that letter is incorporated by reference and made part of this Agreement. Any inconsistency between the Application and the terms and conditions of this Full Funding Grant Agreement will be resolved according to the clear meaning of the provisions of this Agreement and Attachments hereto.

SECTION 21. SIMULTANEOUS CREATION OF AGREEMENT IN ELECTRONIC FORMAT

Simultaneous to the Award and Execution of this Agreement set forth in typewritten hard copy, the Agreement is being awarded and executed by electronic means through FTA's electronic award and management system. To the extent any discrepancy may arise between the typewritten version and the electronic version of this Agreement at the time of execution the

typewritten version will prevail. Should any special conditions or requirements for the Project be added separately in the electronic version, those conditions or requirements are incorporated by reference and made part of this Agreement.

SECTION 22. AMENDMENTS TO AGREEMENT

Amendments to any of the documents referenced in Section 20, "Contents of Agreement," will be made in accordance with the requirements and procedures set forth in FTA Circular 5010.1D, "FTA Project Management Guidelines" (August 27, 2012), as may be amended from time to time, and FTA Circular 5200.1A, "Full Funding Grant Agreements Guidance" (December 5, 2002), as may be amended from time to time.

SECTION 23. ATTACHMENTS—INCORPORATION

Each and every Attachment to this Agreement is incorporated by reference and made part of this Agreement.

SECTION 24. NOTICES

Notices required by this Agreement will be addressed as follows:

As to the Government:

Leslie Rogers
Regional Administrator, FTA Region IX
90 Seventh Street, Suite 15-300
San Francisco, CA 94103

As to the Grantee:

Gary L. Gallegos
Executive Director
San Diego Association of Governments
401 B Street, Suite 800
San Diego, CA 92101

SECTION 25. APPLICABLE LAW

If neither Federal statute nor Federal common law governs the interpretation of the provisions of this Agreement, the State law of the State of California will apply. This provision is intended only to supplement Section 3.g of the Master Agreement, "Application of Federal, State, and Local Laws, Regulations, Requirements, and Guidance."

SECTION 26. AWARD AND EXECUTION OF AGREEMENT

There are several identical counterparts of this Agreement 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 an Award that should be executed by the Grantee within ninety (90) days of the date of the Government's Award (FTA Award). The Government may withdraw its Award of financial assistance and obligation of funds if this Agreement is not executed within the ninety (90) day period. Upon full Execution of this Agreement by the Grantee; the effective date will be the date the Government awarded funding under this Agreement as set forth below.

THE GOVERNMENT HEREBY AWARDS THIS FUEL FUNDING GRANT THIS
14th DAY OF September 2016.

Signature: _____

Carolyn Flowers

Acting Federal Transit Administrator

FEDERAL TRANSIT ADMINISTRATION

EXECUTION BY GRANTEE

The Grantee, by executing this Agreement, affirms this FTA Award; adopts and ratifies all statements, representations, warranties, covenants, and materials it has submitted to FTA; consents to this Award; and agrees to all terms and conditions set forth in this Agreement.

THE GRANTEE HEREBY EXECUTES THIS FULL FUNDING GRANT THIS
14 DAY OF September, 2016.

Signature: _____

Gary L. Gallegos
Gary L. Gallegos
Executive Director
San Diego Association of Governments

ATTESTED BY:

Signature: _____

Tessa Lero
Name: Tessa Lero
Title of Attesting Official: Clerk of the Board of Directors
Name of Organization: San Diego Association of Governments

AFFIRMATION OF GRANTEE'S ATTORNEY

As the undersigned Attorney for the Grantee, I affirm to the Grantee that I have examined this Agreement and the proceedings taken by the Grantee relating to it. As a result of this examination I hereby affirm to the Grantee the Execution of the Agreement by the Grantee is duly authorized under state and local law. In addition, I find that in all respects the Execution of this Agreement is due and proper and in accordance with applicable State and local law. Further, in my opinion, this Agreement constitutes a legal and binding obligation of the Grantee in accordance with the terms of the Agreement. Finally, I affirm to the Grantee that, to the best of my knowledge, there is no legislation or litigation pending or imminent that might adversely affect the full implementation of the Project in accordance with the terms thereof.

DATED 14 DAY OF September, 2016.

AFFIRMED BY:

Signature: _____

John Kirk
John Kirk
General Counsel
San Diego Association of Governments

Attachment 1
San Diego Association of Governments (SANDAG)
Mid-Coast Corridor Transit Project
San Diego, California

Scope of the Project

The Mid-Coast Corridor Transit Project (the Project) would extend the San Diego Trolley Blue Line from the Santa Fe Depot in downtown San Diego to the UTC Transit Center in University City. The Project would use the existing Trolley tracks for approximately 3.5 miles from the Santa Fe Depot to a point just north of the Old Town Transit Center (OTTC) and south of the San Diego River. In this area, the Trolley Blue Line trains would share the tracks with the Trolley Green Line trains. Improvements to this segment of the line include upgrades to signaling and traction power systems.

The Project also would include construction of approximately 10.92 miles of new double-track that would extend from south of the San Diego River to the terminus at the UTC Transit Center. Of the 10.92 miles of new double track, 6.84 miles are at-grade, 4.05 miles are aerial, and 0.03 miles are underground cut and cover. Nine stations would be constructed as part of this light rail transit project with four at-grade stations [Tecolote Road, Clairemont Drive, Balboa Avenue, and VA Medical Center], and five elevated stations (Nobel Drive, Pepper Canyon (UCSD West), Voigt Drive (UCSD East), Executive Drive, and the UTC Transit Center). The UTC Transit Center station and two existing stations served by the extension (Santa Fe Depot and Old Town) are major transfer points to other rail and bus lines. The Project includes five park-and-ride facilities providing 1,170 spaces along with two transfer centers (Balboa and UTC stations).

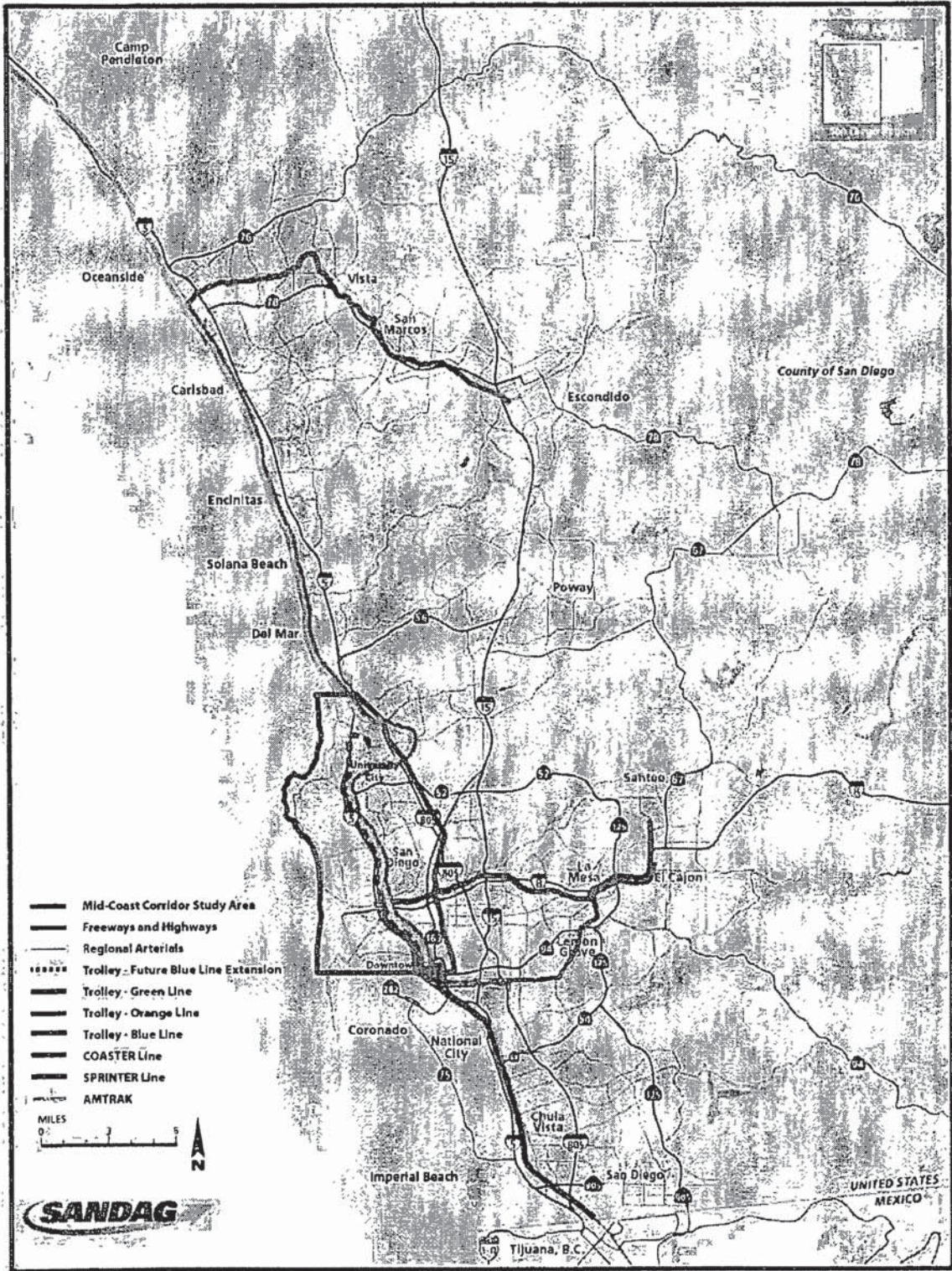
SANDAG and the Metropolitan Transit System (MTS) will acquire 36 light rail vehicles for the Project. No new maintenance or storage facilities are required. The Project will also include train control and signals, communications, traction power supply and distribution, and fare collection systems and equipment. Thirteen new traction power substations would be constructed as part of the project. MTS is the operator of the light rail system in San Diego.

Hours of operation in the opening year of 2022 will be from 4:00 a.m. to 2:00 a.m. on weekdays and weekends. On weekdays, service will be provided every fifteen minutes during peak and off-peak periods and every thirty minutes during the evening period from 6:00 p.m. to 2:00 a.m. On weekends service will be provided every 15 minutes throughout the day. By 2030, weekday service will be provided every 7.5 minutes during the peak and off-peak periods and every fifteen minutes during the weekday evening period from 6:00 p.m. to 2:00 a.m. Weekend service in 2030 will remain every fifteen minutes throughout the day.

Estimated daily linked trips on the Project using current year inputs are 24,600. This number is expected to grow to 31,800 daily linked trips by 2035.

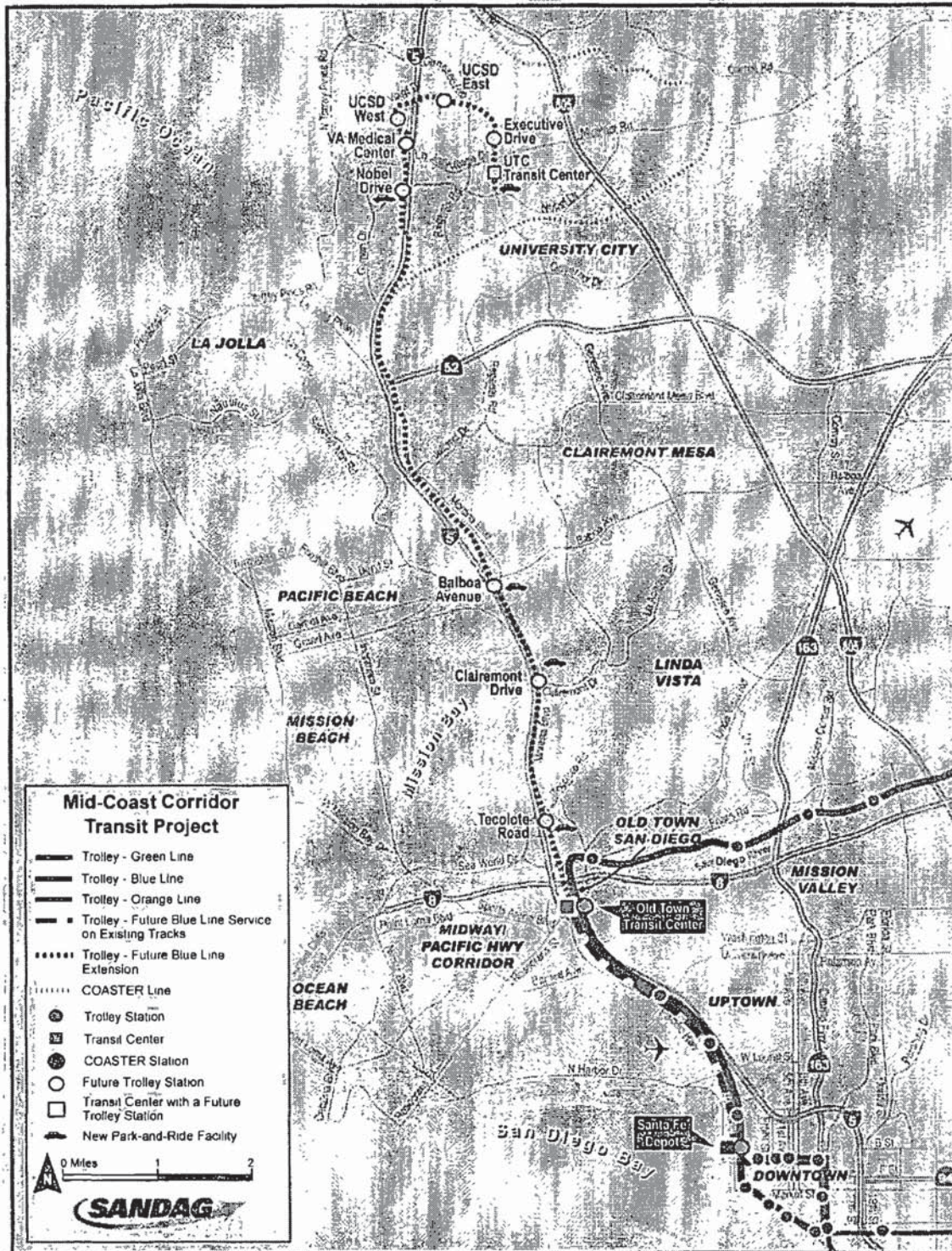
The Revenue Service Date for the Project is November 23, 2022.

Attachment 1A
San Diego Association of Governments (SANDAG)
Mid-Coast Corridor Transit Project
 San Diego, California
Project Vicinity Map



Attachment 1B
San Diego Association of Governments (SANDAG)
Mid-Coast Corridor Transit Project
 San Diego, California

Project Location Map



Attachment 2
San Diego Association of Governments (SANDAG)
Mid-Coast Corridor Transit Project
San Diego, California

Project Description

Narrative Description

The Mid-Coast Corridor Transit Project (the Project) would extend the San Diego Trolley Blue Line from the Santa Fe Depot in downtown San Diego to the UTC Transit Center in University City. The Project would use the existing Trolley tracks for approximately 3.5 miles from the Santa Fe Depot to a point just north of the Old Town Transit Center (OTTC) and south of the San Diego River. In this area, the Trolley Blue Line trains would share the tracks with the Trolley Green Line trains. Improvements to this segment of the line include upgrades to signaling and traction power systems.

Project Description by Standard Cost Category

The following provides a description of the Project by Standard Cost Category (SCC). These SCCs are the basis for the Baseline Cost Estimate and Baseline Schedule contained in Attachments 3 and 4, respectively.

SCC 10 – Guideway and Track Elements

This SCC includes guideway (10.92 miles of new guideway) and track elements including sitework, subgrade preparation, excavation, trackwork, aerial structures, retaining walls, and special trackwork. SCC 10 includes the following applicable subcategories.

SCC 10.01 – Guideway: At-grade exclusive right-of-way

These subcategories includes approximately 3.46 miles of double-track, at-grade guideway that does not have retained cut or fill walls. It is generally located in close proximity to the LOSSAN tracks. The cost for this SCC includes guideway excavations and embankment, light weight cellular concrete backfill due to poor soil conditions, and geopiers with concrete slabs on top to avoid impact to a sanitary sewer line, subballast, fencing, and ballast curbs.

SCC 10.04 – Guideway: Aerial structure

This subcategory includes approximately 4.05 miles of double-track, aerial guideway including all work associated with new bridge structures including bridge foundations, catenary pole foundations, railings, emergency walkways, and architectural treatments. One segment of Nobel Viaduct requires a sound wall. The cost of this sound wall has been included as part of aerial structures. Emergency walkways on direct fixation (DF) tracks would be elevated above the top of the deck and these costs are included in this category. In all, 11 separate aerial structures are required, three of which are viaducts, one crosses over LOSSAN tracks, four of them cross streams and a river, two cross over small canyons, and one crosses over Balboa Avenue. This subcategory does include the station platforms for the five aerial stations as these are integral with the bridge structures, but this category does not include station appurtenances on the platforms.

SCC 10.06 – Underground cut & cover

This subcategory includes approximately 0.03 miles of double-track cut-and-cover construction in the vicinity of La Jolla Colony Drive.

SCC 10.08 – Guideway: Retained cut or fill

Approximately 3.38 miles of retained cut and/or fill will be constructed for the Project including various types of retaining walls, including fencing, railings, and appropriate architectural treatment. The cost includes structural excavation/backfill, structural concrete, steel reinforcement, temporary excavation support, stray current monitoring, fencing, and cable railing. The cost also includes the guideway subballast. Retaining wall types include cast in place concrete, tie-back, soil nail, soil anchors, Mechanically Stabilized Earth walls, soldier pile and lagging. Retaining wall 780R-F includes a sound wall on top, and the cost of the sound wall is included in this category.

SCC 10.09 – Track: Direct fixation

Approximately 3.77 miles of direct fixation (DF) will be constructed on the Project. These are located on aerial structures longer than 400 feet. The cost includes rail, plinth pads, and fasteners. Also, the southerly approach to San Diego River Bridge and the at-grade section between the Nobel and UCSD viaducts are located on track slab with plinth and DF track. Direct fixation track will be continuously welded 115RE rail for the light rail transit (LRT) tracks.

SCC 10.11 – Track: Ballasted

The standard rail section for ballasted track (approximately 7.15 miles) is continuously welded 115RE rail for the LRT tracks. Approximately 1.5 miles of LOSSAN tracks will be reconstructed with 136RE rail.

SCC 10.12 – Track: Special (switches, turnouts)

The Project includes three turnouts, six double crossovers, four single crossovers and one crossing diamond. Two of the turnouts and the crossing diamond are located at the connection to the Trolley Green Line. The two at-grade universal crossovers are located south of the Tecolote Road Station and north of the Clairemont Drive Station. The two at-grade double crossovers are located between Balboa Avenue and SR 52. A single turnout to the storage track is located south of SR 52. Four double crossovers are located on direct fixation track, one located on the Nobel viaduct, one on the Genesee viaduct, and two located on the UCSD viaduct. Other special trackwork includes bumping posts located at the end storage track and the end of the Genesee viaduct, a derail switch located on the storage track, and two wheel stops located at the end of the storage track.

SCC 10.13 – Track: Vibration and noise dampening

This subcategory includes the vibration mitigation requirement for the Project. The noise control measures are included in subcategories 10.04 and 10.08 because the Project does not have any standalone noise barriers required. The cost includes installation of a ballast mat and the associated tub section for the ballast mat, located along La Paz Condominiums.

SCC 20 – Station, Stops, Terminals, Intermodal

This SCC includes improvements associated with the construction of four at-grade and five aerial stations along with one parking structure at the Nobel Drive Station along with the needed elevators. SCC 20 includes the following applicable subcategories.

SCC 20.01 – At-grade station, stop, shelter, mall, terminal, platform

This subcategory provides for the construction, purchase, and installation of elements for four at-grade stations. These elements include side platforms, bike racks, informational kiosks, screen wall, fencing, concrete footings, canopies with foundations/seating, track paving, tactile warning strips, station furnishings/signage, bus shelters, artwork, and mechanical, electric, and plumbing service necessary for the construction and safe operation of the light rail at-grade transit stations. The four at-grade stations include a total of 14 bike lockers and 16 bike racks. The four new at-grade stations are at Tecolote Road, Clairemont Drive, Balboa Avenue, and VA Medical Center.

At-grade parking facilities located at the Tecolote Road, Clairemont Drive, and Balboa Avenue Stations are accounted for in SCC 40.07.

SCC 20.02 – Aerial station, stop, shelter, mall, terminal, platform

This subcategory provides for the construction, purchase, and installation of elements for five aerial stations. These elements include bike racks, informational kiosks, screen wall, fencing, concrete footings, canopies, track paving, tactile warning strips, station furnishings/signage, stairs, equipment rooms, artwork, mechanical, electric, and plumbing service for the construction and safe operation of the light rail aerial transit stations. The five aerial stations include a total of 28 bike lockers and 43 bike racks. The five new aerial stations are at Nobel Drive, Pepper Canyon (UCSD West), Voigt Drive (UCSD East), Executive Drive, and UTC Transit Center. Cost associated with side platforms is included in SCC 10.04.

SCC 20.06 – Automobile parking multi-story structure

This subcategory includes one elevated parking structure (260 dedicated transit only parking spaces) at the Nobel Drive station plus an allowance for replacement of existing parking spaces. An additional 260 dedicated transit only parking spaces at the UTC Transit Center station will be purchased from Westfield as part of the real estate transaction and is included in SCC 60.01.

SCC 20.07 – Elevators, escalators

This subcategory includes 13 single elevators and one double elevator (total of 15 elevators) that are to be constructed at the five aerial stations and the Nobel Drive parking structure. This subcategory includes elevator machine rooms, controller rooms, and canopies. Escalators are not used in the Project.

SCC 40 – Sitework and Special Conditions

This SCC includes all necessary site work and special work associated with utilities, hazardous materials, environmental mitigations, landscaping, street modifications, at-grade parking

facilities (three stations), and temporary facilities for the construction of the Project. SCC 40 includes the following applicable subcategories.

SCC 40.01 – Demolition, Clearing, Earthwork

This subcategory includes the Project-wide demolition, including those structures outside of the track or road bed. This includes, but is not limited to, removal of existing track elements, loading docks and their canopies, paved surfaces, pedestrian bridges, retaining walls, street elements such as curb and sidewalk, trees, and irrigation features. The costs for abandoning, demolishing, or removing drainage and utility features are included in subcategory 40.02. Clearing and grubbing is included in this subcategory. Cost for earthwork is included in other items of work in Category 10 and 40.07.

SCC 40.02 – Site Utilities, Utility Relocation

This subcategory includes the Project-wide drainage improvements and utility relocation, including those drainage features and utilities outside of the track or road bed.

The drainage improvements included in this subcategory include the underdrains within the guideway envelope, storm drain pipes and inlets required for the tracks and roadways, and drainage improvements at the stations. This subcategory also includes all the costs associated with the replacement and lengthening of existing culverts and channels within the guideway envelope, streets, bike path, and stations, including the Rose Creek Open Channel at SR.52.

Generally one of the largest elements within this subcategory is the relocation of existing utilities from within the guideway construction envelope. These relocations include both public and private utilities, subject to any agreements that may apply to franchised utilities that exist within public rights-of-way.

The relocation of existing LOSSAN tracks has been included in SCC 10.01 and 10.08.

SCC 40.03 – Hazardous material, contaminated soil removal/mitigation, ground water treatments

This subcategory includes hazardous materials, contaminated soil removal, ground water treatment, and all other hazardous materials, contaminated media and treatments required for the Project. Except for the potential of encountering aerially deposited lead and unexploded ordinances, hazardous material was not encountered in geotechnical investigation. Hence, most of the cost associated with this category is an allowance.

SCC 40.04 – Environmental mitigation, e.g. wetlands, historic archeological, parks

This is an allowance for restoration of jurisdictional areas to its original condition. It also includes maintenance of these areas after construction during the plant establishment period. This subcategory excludes permanent sound walls and vibration control measures which are included in SCC 10.04 and SCC 10.13.

SCC 40.05 – Site structures including retaining walls, sound walls

This subcategory includes the retaining walls that are outside the general guideway construction envelope. These structures are located at stations, outside of the platform area, at substations

and maintenance access roads, and along roadways. Structures such as the retaining walls for the at-grade or cut/fill sections along the guideway are included in SCC 10.08.

SCC 40.06 – Pedestrian/bike access and accommodation, landscaping

This subcategory includes the pedestrian access improvements along the realignment of the Rose Canyon Bicycle Path. This subcategory also includes all of the landscaping and irrigation improvements for the Project.

SCC 40.07 – Automobile, bus, van accessways including roads, parking lots

This subcategory includes new and reconstructed roadways, streets, at-grade surface parking areas (three locations), sidewalks, curbs and gutters, and related access roadway facilities. The three at-grade parking facilities are at the Tecolote Road Station (280 spaces), Clairemont Drive Station (150 spaces), and Balboa Avenue Station (220 spaces).

SCC 40.08 – Temporary facilities and other indirect costs during construction

This subcategory includes costs for mobilization, demobilization, construction vehicles, traffic control, temporary best management practices, security, small tools and equipment, project phasing, temporary construction associated with weather, and temporary site access and mitigation. It also includes contractor's indirect costs such as management, quality control, insurance, risk, and fees.

SCC 50 – Systems

This SCC includes the purchase, installation, and construction of all train control, traction power supply and distribution, communications, and fare collection systems required for the Project. SCC 50 includes the following applicable subcategories.

SCC 50.01 – Train control and signals

This subcategory includes the signaling and control systems required for safe and efficient operations of the transit system. It includes automatic wayside signals and automatic train stop circuitry in the track and on vehicles. This subcategory also includes the cost of modification to the LOSSAN signaling system required as part of relocation of the LOSSAN tracks.

SCC 50.02 – Traffic signals and crossing protection

This subcategory includes upgrades to existing signals between the Santa Fe Depot and OTTC, and installation of new signals at West Morena Blvd, Morena Blvd, La Jolla Colony Drive, Nobel Drive, and Genesee Avenue. Three new signals are added, two at Balboa Avenue Station, and one at northbound I-5 off ramp to eastbound Balboa Avenue. Modification to the traffic signal at Pacific Highway and Taylor Street includes changes to pre-emption due to grade crossing activation.

SCC 50.03 – Traction power supply: substations

This subcategory includes all of the components of the traction power system. This includes purchase, installation, and testing of the traction power distribution system, 13 traction power substations, spare parts, and Supervisory Control And Data Acquisition modifications to three existing substations. This subcategory also includes the ductbank and cabling from the traction power substations to the overhead catenary system (OCS) interface, and the ductbank and cabling to the substation from the outside electrical utilities source. The retaining walls and fencing for the

substations are also included in this subcategory but the access roads, etc., are included in SCC 40.07.

SCC 50.04 – Traction power distribution: catenary and third rail

This subcategory includes the traction power distribution system for the Project. The OCS (direct current) consists primarily of support poles, OCS foundations for at-grade segments, brackets arms and hardware, feeder cables, contact wire, and a messenger wire. Signal and communication power are also included in this subcategory.

SCC 50.05 – Communications

This subcategory provides the necessary subsystems to support the total operational requirements for the Project. The communications system provides for subsystems, such as two-way radios, the public address system, telephone systems, variable message signs, interfaces with the fare collection and ticket vending equipment, and equipment for the hearing impaired, as well as closed-circuit television.

SCC 50.06 – Fare collection system and equipment

This subcategory provides for the self-service, barrier-free, proof of payment fare collection system for the Project. In total, 31 ticket vending machines will be purchased for the Project and will be a microprocessor controlled coin or bill accepting machine capable of optionally accepting credit, debit, and stored value cards. In addition, 49 card readers will be installed at the stations. The fare collection system includes all the equipment, installation, and testing.

SCC 50.07 – Central control

This subcategory provides for upgrading hardware and software along with improvements to the MTS existing central control facility for the Project.

SCC 60 – Right-of-Way, Land, Existing Improvements

This SCC includes the acquisition of right-of-way, including relocations, as well as permanent and temporary easements required for construction of the Project. SCC 60 includes the following applicable subcategories.

SCC 60.01 – Purchase or lease of real estate

This subcategory provides for the acquisition of right-of-way, property rights, and temporary easements for construction and operation of the Project. 41 different property owners have been identified. Professional services to support this effort accounted for in this subcategory include legal support, appraisals, and property acquisition services.

SCC 60.02 – Relocation of existing household and businesses

This subcategory includes the relocation of and associated services for one existing business location.

SCC 70 – Vehicles

This SCC provides for the procurement by SANDAG and MTS of the 36 light rail vehicles needed for the Project. SCC 70 includes the following applicable subcategories.

SCC 70.01 – Light Rail (36 vehicles)

This subcategory provides for the design, manufacture, inspection, delivery, testing, and commissioning of 36 new light rail vehicles.

SCC 70.07 – Spare Parts

This subcategory provides for the spare parts for the 36 new light rail vehicles.

SCC 80 – Professional Services

This SCC includes all the costs of engineering, project management, construction administration and management, permits and fees, legal fees, training, start-up, testing, and other direct costs. SCC 80 includes the following applicable subcategories.

SCC 80.01 – Project Development

This subcategory reflects the activities conducted during the Project Development phase of the Project from September 2, 2011 through June 30, 2015.

SCC 80.02 – Engineering

This subcategory reflects the activities during the Engineering phase of the Project including Final Design. FTA approved this phase of work on April 2, 2015. The duration would be through Project completion.

SCC 80.03 – Project Management for Design and Construction

This subcategory includes the SANDAG and MTS staffs and professional services consultants (PMC) providing program management and oversight to the entire Project from July 1, 2015 through Project close-out.

SCC 80.04 – Construction Administration and Management

This subcategory includes the professional construction management consultants (CMC) contracted for construction inspection, field engineering, design support coordination, project scheduling and construction coordination, safety certification, change order processing, preparation of independent cost estimates, field verification and testing, systems integration and testing, and other activities required in support of the Project.

SCC 80.06 – Legal: Permits; Review Fees by other agencies, cities, etc.

This subcategory provides for the required permits, third party reviews, and legal services not included in the SCC 60.01.

SCC 80.08 – Start-up

This subcategory includes the SANDAG and MTS staffs and other professional service consultants providing support to begin revenue operations, including training, rail activation services, signage, and other media needs for the existing 53 stations and nine new stations for the Project.

SCC 90 – Unallocated Contingency

This SCC represents the entire unallocated contingency for the Project. It provides a management reserve to address non-specified additional Project execution costs and uncertainty due to risk factors such as unresolved design issues, market fluctuations, unanticipated site conditions, and change orders. It also covers unforeseen expenses and variances between estimates and actual costs. Contingency will be managed over the life of the Project in accordance with the Project Contingency Management Plan.

SCC Code 100 - Finance Charges

This category includes finance charges expected to be paid prior to either completion of the Project or the receipt of all the Section 5309 New Starts funding, whichever occurs later in time.

Attachment 3
San Diego Association of Governments (SANDAG)
Mid-Coast Corridor Transit Project
San Diego, California
Baseline Cost Estimate

Table 1 - BCE by Standard Cost Category

<i>Applicable Line Items Only</i>	YOE Dollars Total
10 GUIDEWAY & TRACK ELEMENTS (10.92 miles)	\$326,818,825
10.01 Guideway: At-grade exclusive right-of-way	\$20,514,964
10.04 Guideway: Aerial structure	\$185,473,137
10.06 Guideway: Underground cut & cover	\$3,110,630
10.08 Guideway: Retained cut or fill	\$56,504,816
10.09 Track: Direct fixation	\$20,739,895
10.11 Track: Ballasted	\$23,353,262
10.12 Track: Special (switches, turnouts)	\$16,330,121
10.13 Track: Vibration and noise dampening	\$792,000
20 STATIONS, STOPS, TERMINALS, INTERMODAL (9 stations)	\$82,838,589
20.01 At-grade station, stop, shelter, mall, terminal, platform	\$20,822,666
20.02 Aerial station, stop, shelter, mall, terminal, platform	\$32,817,927
20.06 Automobile parking multi-story structure	\$11,550,000
20.07 Elevators, escalators	\$17,647,996
40 SITEWORK & SPECIAL CONDITIONS	\$502,814,371
40.01 Demolition, Clearing, Earthwork	\$4,256,940
40.02 Site Utilities, Utility Relocation	\$71,118,050
40.03 Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	\$440,000
40.04 Environmental mitigation, e.g. wetlands, historic/archeologic, parks	\$4,402,147
40.05 Site structures including retaining walls, sound walls	\$12,817,997
40.06 Pedestrian / bike access and accommodation, landscaping	\$10,965,670
40.07 Automobile, bus, van accessways including roads, parking lots	\$37,211,493
40.08 Temporary Facilities and other indirect costs during construction	\$361,602,074
50 SYSTEMS	\$171,350,363
50.01 Train control and signals	\$59,832,508
50.02 Traffic signals and crossing protection	\$4,415,234
50.03 Traction power supply: substations	\$36,751,912
50.04 Traction power distribution: catenary and third rail	\$48,673,459
50.05 Communications	\$8,257,250
50.06 Fare collection system and equipment	\$8,140,000
50.07 Central Control	\$5,280,000
60 ROW, LAND, EXISTING IMPROVEMENTS	\$101,233,011
60.01 Purchase or lease of real estate	\$98,933,011
60.02 Relocation of existing households and businesses	\$2,300,000
70 VEHICLES (36 vehicles)	\$178,478,010
70.01 Light Rail	\$162,252,736
70.07 Spare parts	\$16,225,274
80 PROFESSIONAL SERVICES (applies to Cats. 10-50)	\$381,254,046
80.01 Project Development	\$124,000,000
80.02 Engineering	\$83,460,233
80.03 Project Management for Design and Construction	\$64,072,262
80.04 Construction Administration & Management	\$93,333,073
80.06 Legal; Permits; Review Fees by other agencies, cities, etc.	\$6,277,900
80.08 Start up	\$10,110,578
Subtotal (10 - 80)	\$1,744,787,214
90 UNALLOCATED CONTINGENCY	\$69,013,709
Subtotal (10 - 90)	\$1,813,800,922
100 FINANCE CHARGES	\$357,399,622
Total Project Cost (10 - 100)	\$2,171,200,545

Attachment 3
San Diego Association of Governments (SANDAG)
Mid-Coast Corridor Transit Project
San Diego, California

Baseline Cost Estimate

Table 2 – Inflated Cost to Year of Expenditures

Standard Cost Category Description	Base Year Dollar w/o Contingency	Base Year Dollar Allocated Contingency	Base Year Dollars TOTAL	Inflation Factor	YOE Dollars TOTAL
10 GUIDEWAY & TRACK ELEMENTS (10.92 miles)	\$268,489,728	\$13,455,543	\$281,945,272	1.1592	\$326,818,825
20 STATIONS, STOPS, TERMINALS, INTERMODAL (9 stations)	\$65,015,397	\$3,276,738	\$68,292,135	1.2130	\$82,838,589
40 SITEWORK & SPECIAL CONDITIONS	\$409,709,802	\$23,494,609	\$433,204,410	1.1607	\$502,814,371
50 SYSTEMS	\$133,484,756	\$7,864,173	\$141,348,929	1.2123	\$171,350,363
60 ROW, LAND, EXISTING IMPROVEMENTS	\$80,124,935	\$13,397,216	\$93,522,151	1.0824	\$101,233,011
70 VEHICLES	\$144,506,648	\$7,225,332	\$151,731,980	1.1763	\$178,478,010
80 PROFESSIONAL SERVICES (applies to Cats. 10-50)	\$322,335,387	\$25,930,559	\$348,265,946	1.0947	\$381,254,046
90 UNALLOCATED CONTINGENCY			\$58,515,349	1.1794	\$69,013,709
100 FINANCE CHARGES			\$283,225,193	1.2619	\$357,399,622
Total Project Cost (10 – 100)			\$1,860,051,366	1.1673	\$2,171,200,545

Attachment 3
San Diego Association of Governments (SANDAG)
Mid-Coast Corridor Transit Project
San Diego, California
Baseline Cost Estimate

Table 3 – BCE by Source of Funding

Standard Cost Category Description	YOE Dollars TOTAL	Federal 5309 New Starts	Local
10 GUIDEWAY & TRACK ELEMENTS (10.92 miles)	\$326,818,825	\$161,448,500	\$165,370,325
20 STATIONS, STOPS, TERMINALS, INTERMODAL (9 stations)	\$82,838,589	\$40,922,263	\$41,916,326
40 SITEWORK & SPECIAL CONDITIONS	\$502,814,371	\$248,390,299	\$254,424,072
50 SYSTEMS	\$171,350,363	\$84,647,079	\$86,703,284
60 ROW, LAND, EXISTING IMPROVEMENTS	\$101,233,011	\$50,009,107	\$51,223,904
70 VEHICLES (36)	\$178,478,010	\$88,168,137	\$90,309,873
80 PROFESSIONAL SERVICES (applies to Cats 10-50)	\$381,254,046	\$188,339,499	\$192,914,547
90 UNALLOCATED CONTINGENCY	\$69,013,709	\$34,092,772	\$34,920,937
100 FINANCE CHARGES	\$357,399,622	\$147,362,344	\$210,037,278
Total Project Cost (10 - 100)	\$2,171,200,545	\$1,043,380,000	\$1,127,820,545

Sources of Federal Funding and Matching Share Ratios			
Costs Attributed to Source of Funds	Federal/Local Matching Ratio within Source	All Federal Funds	Local Funds
Federal 5309 New Starts	48.1/51.9	\$1,043,380,000	\$1,127,820,545
Federal Other		\$0	\$0
Total		\$1,043,380,000	\$1,127,820,545
Overall Federal Share of Project		48.06%	
New Starts Share of Project		48.06%	

Attachment 3A
San Diego Association of Governments (SANDAG)
Mid-Coast Corridor Transit Project
San Diego, California

Project Budget

Table 3A – Scope and Activity Description

Scope Code	ALI Code	Scope and Activity Line Item Descriptions	Qty	Total Federal %	Federal 5309 New Starts			Total Project Cost in YOE Dollars		
					Federal	Local	Total	Federal	Local	Total
14010	14.01.10	GUIDEWAY & TRACK ELEMENTS	10:92	49.40%	\$161,448,500	\$165,370,325	\$326,818,825	\$161,448,500	\$165,370,325	\$326,818,825
14020	14.02.20	STATIONS, STOPS, TERMINALS, INTERMODAL	9	49.40%	\$40,922,263	\$41,916,326	\$82,838,589	\$40,922,263	\$41,916,326	\$82,838,589
14040	14.04.40	SITework & SPECIAL CONDITIONS		49.40%	\$248,390,299	\$254,424,072	\$502,814,371	\$248,390,299	\$254,424,072	\$502,814,371
14050	14.05.50	SYSTEMS		49.40%	\$84,647,079	\$86,703,284	\$171,350,363	\$84,647,079	\$86,703,284	\$171,350,363
14060	14.06.60	ROW, LAND, EXISTING IMPROVEMENTS		49.40%	\$50,009,107	\$51,223,904	\$101,233,011	\$50,009,107	\$51,223,904	\$101,233,011
14070	13.13.20	VEHICLES	36	49.40%	\$88,168,137	\$90,309,873	\$178,478,010	\$88,168,137	\$90,309,873	\$178,478,010
14080	14.08.80	PROFESSIONAL SERVICES		49.40%	\$188,339,499	\$192,914,547	\$381,254,046	\$188,339,499	\$192,914,547	\$381,254,046
14090	14.09.90	UNALLOCATED CONTINGENCY		49.40%	\$34,092,772	\$34,920,937	\$69,013,709	\$34,092,772	\$34,920,937	\$69,013,709
14100	14.10.10	FINANCE CHARGES		41.23%	\$147,362,344	\$210,037,278	\$357,399,622	\$147,362,344	\$210,037,278	\$357,399,622
Total Project Cost (10 - 100)				48.06%	\$1,043,380,000	\$1,127,820,545	\$2,171,200,545	\$1,043,380,000	\$1,127,820,545	\$2,171,200,545

Attachment 5
San Diego Association of Governments (SANDAG)
Mid-Coast Corridor Transit Project
San Diego, California

Prior Grants and Related Documents

I. Prior Grants (not included in the FFGA)

Project Number	Obligation Date	Federal Amount	Funding Source	Purpose
CA-03-0784	3/28/2007	\$7,017,516	Section 5309	Planning
CA-03-0790	8/1/2007	\$340,320	Section 5309	Planning
CA-03-0531	8/1/2007	\$651,680	Section 5309	Planning

II. Related Documents

1. Notice of Intent and Scoping Notice for Preparation of an Alternatives Analysis/Draft Environmental Impact Statement April 11, 1990
2. Completion of Alternative Analysis February 16, 1995
3. Locally Preferred Alternative Adopted October 26, 1995
4. Board Decision to have Two-Phased Project December 14, 1995
5. Final Environmental Impact Statement-Phase 1 June 12, 2001
6. Record of Decision for Phase 1 August 29, 2001
7. Board Decision to have a Single Phase Project April 15, 2005
8. Evaluation of Alternatives Report April 23, 2010
9. Comparative Evaluation of Alternatives Report and Reconfirmation of the LPA July 23, 2010
10. LPA Adopted into Fiscally Constrained Long Range Plan October 22, 2010
11. Notice of Intent for the Environmental Impact July 12, 2011
12. Approval to Enter SAFETEA-LU Preliminary Engineering August 17, 2011
13. Draft Environmental Impact Statement May 1, 2013
14. Supplemental Environmental Impact Statement for San Diego Fairy Shrimp July 3, 2014
15. Final EIS and Record of Decision October 15, 2014
16. Approval to Enter Engineering April 2, 2015

III. FFGA Grant History (Grants Under the FFGA)

Project No.	Obligation Date	Federal Amount	Funding Source	Purpose
None	N/A	N/A	N/A	N/A

Attachment 6
San Diego Association of Governments (SANDAG)
Mid-Coast Corridor Transit Project
San Diego, California

Schedule of Federal Funds

Section 3005 of the Fixing America's Surface Transportation ("FAST") Act (Pub. L. 114--94; Dec. 4, 2015) authorizes FTA to award Federal major capital investment (New Starts) funds for design and construction of the Mid-Coast Corridor Transit Project (the Project). In accordance with Federal transit law at 49 U.S.C. Chapter 53 and FTA Circular 5200.1A, Full Funding Grant Agreements Guidance (December 5, 2002), by the execution of this Agreement the Government is limiting its commitment to provide New Starts funding for the Project to those funds that have been or may be appropriated during the term of the FAST Act and subsequent authorizations. The Government and the Grantee recognize, however, that the period of time necessary to complete the Project will extend beyond the FAST Act, as evidenced by Attachment 4 of this Agreement (Baseline Schedule).

Currently, the Government and the Grantee anticipate that the New Starts funds will be provided for the Project as follows:

Proposed Schedule of Federal Funds
(Based on Year of Appropriation)

Federal Fiscal Year	Federal Section 5309 New Starts Funding	Local Funding	Total Funding
2016 and prior	\$100,000,000	\$107,900,208	\$207,900,208
2017	\$125,000,000	\$134,875,260	\$259,875,260
2018	\$100,000,000	\$107,900,208	\$207,900,208
2019	\$100,000,000	\$107,900,208	\$207,900,208
2020	\$100,000,000	\$107,900,208	\$207,900,208
2021	\$100,000,000	\$107,900,208	\$207,900,208
2022	\$100,000,000	\$107,900,208	\$207,900,208
2023	\$100,000,000	\$107,900,208	\$207,900,208
2024	\$100,000,000	\$107,900,208	\$207,900,208
2025	\$100,000,000	\$107,900,208	\$207,900,208
2026	\$18,380,000	\$21,843,413	\$40,223,413
Total	\$1,043,380,000	\$1,127,820,545	\$2,171,200,545

Note: Sources of local funding include SANDAG *TransNet* sales tax revenues and bond proceeds.

Attachment 7
San Diego Association of Governments (SANDAG)
Mid-Coast Corridor Transit Project
San Diego, California

Measures to Mitigate Environmental Impacts

The measures to mitigate the environmental impacts of the Mid-Coast Corridor Transit Project ("Project") are included in the environmental record and include the following documents which are incorporated herein:

1. Final Supplemental Environmental Impact Statement and Subsequent Environmental Impact Report – October 15, 2014
2. Record of Decision – October 15, 2014
3. Notice of Determination – November 21, 2014

The mitigation measures and other project features that reduce adverse environmental and community impacts to which FTA and SANDAG committed in the environmental record may not be eliminated from the Project, except by FTA's written consent and in accordance with applicable laws and regulations. These mitigation measures include, but are not limited to, commitments to perform further consultation with any agency on environmental and related matters. On November 24, 2015, SANDAG transmitted to FTA a table that listed the status of the mitigation measures identified in the ROD. The table's purpose is to facilitate monitoring of the implementation of the mitigation measures during final design and construction. Monitoring and mitigation compliance will be the responsibility of SANDAG's Deputy Project Administrator for Administration assigned to the Project. That table and its periodic revisions to add the measures resulting from required consultations, permit approvals, and FTA-approved changes, and to update the implementation status of the measures are incorporated herein by reference.

Attachment 8

San Diego Association of Governments (SANDAG) Mid-Coast Corridor Transit Project San Diego, California

Implementation of a Before-and-After Study

The San Diego Association of Governments (SANDAG) will assemble information and conduct analyses to identify the actual outcomes of the Mid-Coast Corridor Transit Project (the Project) and evaluate the reliability of the predictions of those outcomes prepared during the planning and development of the Project. SANDAG will assemble the information and conduct the analyses in accordance with the Before-and-After Study Plan prepared by SANDAG and approved by the Federal Transit Administration (FTA). Specifically, the plan addresses the following requirements:

I. Required Information

SANDAG will assemble information on five key characteristics of the Project and its associated transit services:

1. Project scope: The physical components of the Project, including environmental mitigation and other related elements;
2. Capital cost: The total Project capital costs in constant dollars, formatted in FTA's Standard Cost Categories, and annual expenditures in year-of-expenditure dollars;
3. Transit service levels: The service characteristics of the fixed guideway, feeder bus services, and other bus services in the corridor;
4. Operation and maintenance (O&M) costs: O&M costs for the Project and the change in O&M costs for other transit services in the corridor; and
5. Ridership: Trips on the project and the change in transit trips in the corridor plus associated impacts on fare box revenues.

II. Milestones

SANDAG will assemble predictions of Project outcomes at three milestones during development of the Project and will collect data at two milestones during its implementation. At each milestone, SANDAG will archive the assembled information, data, and documentation and provide to FTA a copy of the archive.

1. Entry into Preliminary Engineering (PE): Assembly, documentation, and archiving of the predicted outcomes on all five characteristics of the Project at the point when SANDAG requested FTA approval for Entry into PE;

2. Entry into New Starts Engineering (NSE): Assembly, documentation, and archiving of the predicted outcomes on all five characteristics of the Project at the point when SANDAG requested FTA approval for Entry into NSE, plus an analysis of any significant differences in the predicted outcomes compared to the predictions at entry into PE;
3. Full Funding Grant Agreement: Assembly, documentation, and archiving of the predicted outcomes on all five characteristics of the Project at the signing of the FFGA, plus an analysis of any significant differences in the predicted outcomes compared to the predictions at entry into NSE;
4. Actual Conditions before Project Opening: Collection, documentation, and archiving of data on existing transit services, O&M costs, and transit ridership/revenues immediately prior to any significant changes in transit service levels caused by either the construction or the opening of the Project; and
5. Actual Conditions after Project Opening: Collection, documentation, and archiving of data on the actual outcomes of the Project on all five characteristics for two years after the start of service.

III. Final Report

Within 36 months after Project opening, SANDAG will complete a final report that (1) documents the actual outcomes of the Project on all five characteristics and (2) evaluates the accuracy of predictions of those outcomes that were prepared during project development. The body of the final report will be 15-20 pages that highlight findings, conclusions, and lessons learned. To support the findings and conclusions, SANDAG will include as appendices to the report five technical memoranda to document the detailed analysis of each project outcome.

IV. Coordination with FTA

SANDAG will maintain communication with FTA and its contractors on progress in implementing the Before-and-After Study Plan and provide opportunities for early review and for commenting on draft products. SANDAG must obtain approval in advance of any changes in the scope or schedule for the Study as defined in the Study Plan approved by FTA.

**UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL TRANSIT ADMINISTRATION**

MASTER AGREEMENT

**For Federal Transit Administration Agreements authorized by
49 U.S.C. chapter 53 and Title 23, United States Code (Highways), as amended by
the Fixing America's Surface Transportation (FAST) Act,
the Moving Ahead for Progress in the 21st Century Act (MAP-21),
the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
(SAFETEA-LU), the SAFETEA-LU Technical Corrections Act of 2008,
or other federal laws that FTA administers.**

**FTA MA(23)
October 1, 2016**

<http://www.transit.dot.gov>

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**UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL TRANSIT ADMINISTRATION**

MASTER AGREEMENT

PREFACE

Statutory Authorities

This is the official Federal Transit Administration (FTA) Master Agreement that applies to each Underlying Agreement (Grant Agreement, Cooperative Agreement, Loan, Loan Guarantee, or Line of Credit) for a specific Award authorized by:

1. Federal transit laws, 49 U.S.C. chapter 53, as amended, including the following:
 - a. The Fixing America's Surface Transportation (FAST) Act, Public Law No. 114-94, December 4, 2015, and other authorizing legislation that may be enacted,
 - b. The Moving Ahead for Progress in the 21st Century Act (MAP-21), Public Law No. 112-141, July 6, 2012, as amended by the "Surface Transportation and Veterans Health Care Choice Improvement Act of 2015," Public Law No. 114-41, July 31, 2015, and
 - c. The Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), Public Law No. 109-59, August 10, 2005, as amended by the SAFETEA-LU Technical Corrections Act of 2008, Public Law No 110-244, June 6, 2008.
2. Continuing Resolutions or Other Appropriations Resolutions or Acts funding the Department of Transportation during Fiscal Year 2017.
3. Title 23, United States Code (Highways).
4. Other federal legislation that FTA administers, as FTA so determines.

Purpose of the Master Agreement

This FTA Master Agreement contains the standard terms and conditions that apply to the Underlying Agreement with the Recipient, which Underlying Agreement may take the form of an:

1. FTA Grant Agreement, including an FTA Grant Agreement for an award of federal assistance under the Tribal Transit Program,
2. FTA Cooperative Agreement, or

3. FTA Transportation Infrastructure Finance Innovation Act (TIFIA) Loan, Loan Guarantee, Line of Credit, Master Credit Agreement, or State Infrastructure Bank (SIB) Cooperative Agreement.

THEREFORE, in consideration of the mutual covenants, promises, and representations herein, FTA and the Recipient agree as follows:

GENERALLY APPLICABLE PROVISIONS

Section 1. Terms of the Master Agreement and Compliance

- a. The Recipient must comply with all applicable federal laws, regulations, and requirements, and should follow applicable federal guidance, except as FTA determines otherwise in writing.
- b. To assure compliance with federal laws, regulations, and requirements, the Recipient must take measures to assure that other participants in its Underlying Agreements (*e.g.*, Third Party Participants) comply with applicable federal laws, regulations, and requirements, and follow applicable federal guidance, except as FTA determines otherwise in writing.
- c. FTA may take enforcement action if the Recipient or a Third Party Participant violates an applicable federal law, regulation, or requirement, or does not follow applicable federal guidance.
- d. FTA and the Recipient agree that not every provision of this Master Agreement will apply to every Recipient or Underlying Agreement.
 - (1) FTA has divided the Master Agreement into the “Preface,” “Generally Applicable Provisions,” and “Special Provisions for Specific Programs.”
 - (2) This Master Agreement has an Appendix A illustrating the specific provisions of the Master Agreement that apply to the Tribal Transit Programs.
 - (3) Criteria determining which federal laws, regulations, requirements, and guidance apply include the type of Award, the federal law authorizing federal assistance for the Award, the federal law, regulations, or requirements governing how the Award must be implemented, the federal guidance pertaining to the Award, and the Recipient’s legal status as a “state,” “state instrumentality,” a “local government,” a federally recognized Indian Tribe (Indian Tribe), a “private nonprofit entity,” a “private for-profit entity,” or an individual.
- e. As provided in federal laws, regulations, requirements, and guidance, FTA will enforce only those federal laws, regulations, requirements, and guidance that apply to the specific FTA Recipient, its Third Party Participants, or any Project and related activities encompassed in the Award, the accompanying Underlying Agreement, and any Amendments thereto.
- f. Each provision of this Master Agreement must be interpreted in context with all other provisions of this Master Agreement and the Underlying Agreement. If a single provision is read apart from the rest of this Master Agreement or the Underlying Agreement, that

provision might not convey the extent of the Recipient's responsibility to comply with the requirements of this Master Agreement and the Underlying Agreement.

- g. This Master Agreement does not have an Expiration Date. This Master Agreement continues to apply to the Recipient and its Underlying Agreement, until modified or superseded by a more recently enacted or issued applicable federal law, regulation, requirement, or guidance, or amendment to this Master Agreement or the Underlying Agreement.

Section 2. Definitions.

- a. List of Definitions. In addition to the definitions provided in 49 U.S.C. § 5302, as amended by the FAST Act, or in previous legislation if circumstances may require, the Recipient agrees that the following definitions apply:
 - (1) *Application* means the request for federal assistance submitted that is signed and dated by the Applicant or an official authorized to act on the behalf of the Applicant, and includes all explanatory, supporting, and supplementary documents filed with FTA by or on behalf of the Applicant, and has been reviewed by FTA staff and addresses FTA's comments and concerns. An application for federal assistance in the form of a Grant or Cooperative Agreement must be submitted in in FTA's electronic award management system.
 - (2) *Approval*, unless FTA determines otherwise in writing, means a written statement of an authorized federal official transmitted electronically or in typewritten hard copy expressly permitting the Recipient to take or omit an action in connection with its Underlying Agreement, and signed by a federal official authorized to permit the Recipient to take or omit an action that may not be taken or omitted without the Federal Government's permission. Approval does not mean permission to take or omit a similar action other than the specific action for which approval was given and does not include an oral permission or interpretation, which has no legal force, authority, or effect. For purposes of this Master Agreement, the definition of "approval" also applies to "concurrence" and "waiver."
 - (3) *Associated Transit Improvement* means, with respect to a Project or an area to be served by a Project that is designed to enhance public transportation service or use and that is physically or functionally related to transit facilities.
 - (4) *Award* means the Scope of Work that FTA has approved when FTA agreed to provide federal assistance. The Award also includes the requirements of all documents, terms, and conditions incorporated by reference and made part of the Underlying Agreement, which may be a Grant or Cooperative Agreement.
 - (5) *Award Budget [formerly, Approved Project Budget]* means the budget for all the Projects encompassed by the FTA Award. In contrast, Project Budget means the budget allocated for a single Project contained within an Award that FTA or a pass-through entity approves during the federal award process or in subsequent amendments to the

FTA Award. It may include the federal and non-federal share or only the federal share, as determined by FTA or the pass-through entity. For legal and other purposes, FTA reserves the right to consider information other than that displayed electronically or on paper in the "Award Budget" to determine the scope of the Award, eligible Project activities, and other terms used in connection with the Award.

- (6) *Common Rules* means any one or more of the following:
- (a) U.S. DOT regulations, "Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards," 2 C.F.R. part 1201, which incorporates by reference U.S. Office of Management and Budget (OMB) regulatory guidance, "Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards," 2 C.F.R. part 200,
 - (b) U.S. DOT regulations, "Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments," former 49 C.F.R. part 18, and
 - (c) U.S. DOT regulations, "Uniform Administrative Requirements for Grants and Agreements with Institutions of Higher Education, Hospitals, and Other Non-profit Organizations," former 49 C.F.R. part 19.
- (7) *Concurrence* has the same meaning as the definition of Approval in this section of this Master Agreement.
- (8) *Cooperative Agreement* means an instrument that the Federal Government uses to award federal assistance to the Recipient to support each specific Project and related activities described in the Underlying Agreement in which, consistent with 31 U.S.C. § 6305, the Federal Government takes an active role and retains substantial control. An FTA Cooperative Agreement consists of three parts:
- (a) The FTA Award, consisting of the amount of federal assistance FTA is providing to support each specific Project and related activities, and a description of each Project, as set forth in the Application submitted to FTA in FTA's electronic award management system;
 - (b) The Terms and Conditions incorporated by reference and made part of the Cooperative Agreement, consisting of the following documents, irrespective of whether electronic or in typewritten hard copy,
 - 1 The most recent "Federal Transit Administration Master Agreement, which applies to this Cooperative Agreement, <http://www.transit.dot.gov>,
 - 2 The current Certifications and Assurances applicable to the FTA Award that the Recipient has selected and provided to FTA, and
 - 3 Any Award notification containing special conditions or requirements if issued, and
 - (c) The Execution of the Cooperative Agreement by the Recipient.
- (9) *Designated Recipient* means an entity designated, in accordance with the planning process under 49 U.S.C. §§ 5303 and 5304, by the governor of a state, responsible local officials, and publicly owned operators of public transportation, to receive and apportion amounts under 49 U.S.C. § 5336 to urbanized areas of 200,000 or more in

population; or a state or regional authority, if the authority is responsible under the laws of a state for a Capital Project and for financing and directly providing public transportation.

- (10) *Disability* has the same meaning as in section 3(1) of the Americans with Disabilities Act of 1990, as amended, 42 U.S.C. § 12102.
- (11) *Federal Assistance* means a type of federal funding that the Recipient receives through the Underlying Agreement.
- (12) *Federal Award Identification Number* has the same meaning as “Project No.” in previous Grant Agreements and Cooperative Agreements with FTA.
- (13) *Federal Government* means the United States of America and any of its executive departments or agencies.
- (14) *Federal Guidance* includes any federal document or publication signed by an authorized federal official providing official instructions or advice about a federal program that is not defined as a “federal requirement” and applies to entities other than the Federal Government. Federal Guidance also may apply to the Federal Government, and may take the form of a:
 - (a) Federal directive,
 - (b) Federal circular,
 - (c) Federal order,
 - (d) Federal published policy,
 - (e) Federal administrative practice,
 - (f) Federal guideline,
 - (g) Federal guidance document,
 - (h) Letter signed by an authorized federal official, or
 - (i) Similar document.
- (15) *Federal Requirement* means:
 - (a) An applicable federal law, regulation, or executive order,
 - (b) An applicable provision of the Underlying Agreement, including any Special Condition, Requirement, Provision, or Condition of Award,
 - (c) This Master Agreement,
 - (d) A later Master Agreement after FTA and the Recipient have entered into the Underlying Agreement, or
 - (e) Another applicable federal mandate.
- (16) *Federal Transit Administration (FTA)* is an operating administration of the Department of Transportation (U.S. DOT). Any reference to the “Urban Mass Transportation Administration” (also referred to as “UMTA”) refers to the “Federal Transit Administration” or “FTA” when appearing in any records of the United States.
- (17) *Federal Transit Administrator* is the head of the Federal Transit Administration.

- (18) *Federally Recognized Indian Tribe* means an Indian tribe that is federally recognized by the Bureau of Indian Affairs of the U.S. Department of the Interior in accordance with the provisions of the Federally Recognized Indian Tribe List Act of 1994, as amended, 25 U.S.C. § 5130.
- (19) *Fiscal Year*, as used in this Master Agreement, means “federal fiscal year,” which begins on October 1 of each calendar year and ends on September 30 of the next calendar year.
- (20) *Governor* means the governor of a state, the mayor of the District of Columbia, or the chief executive officer of a territory of the United States and includes the designee thereof.
- (21) *Grant Agreement* means an instrument that the Federal Government uses to award federal assistance to the Recipient to support each specific Project and related activities described in the Underlying Agreement in which, consistent with 31 U.S.C. § 6304, the Federal Government does not take an active role and does not retain substantial control. An FTA Grant Agreement consists of three parts:
- (a) The FTA Award, consisting of the amount of federal assistance FTA is providing to support each specific Project and related activities, and a description of each Project, as set forth in the Application submitted to FTA in FTA’s electronic award management system;
 - (b) The Terms and Conditions incorporated by reference and made part of the Grant Agreement, consisting of the following documents, irrespective of whether electronic or in typewritten hard copy:
 - 1 The most recent “Federal Transit Administration Master Agreement, which applies to this Grant Agreement, <http://www.transit.dot.gov>,
 - 2 The current Certifications and Assurances applicable to the FTA Award that the Recipient has selected and provided to FTA, and
 - 3 Any Award notification containing special conditions or requirements if issued, and
 - (c) The Execution of the Grant Agreement by the Recipient.
- (22) *Indian Tribe* means the Recipient or Subrecipient that receives “Tribal Transit Program” assistance authorized by 49 U.S.C. § 5311(c)(1) to support its Underlying Agreement.
- (23) *Internal Controls* means a process, implemented by a Recipient or Subrecipient, designed to provide reasonable assurance regarding the achievement of objectives in the following categories: (a) effectiveness and efficiency of operations, (b) reliability of reporting for internal and external use, and (c) compliance with applicable laws, regulations, and requirements.

- (24) *Local Government Authority* includes: (a) a political subdivision of a state; (b) an authority of at least one state or political subdivision of a state; (c) an Indian tribe; and (d) a public corporation, board, or commission established under the laws of a state.
- (25) *Low-Income Individual*, for purposes of 49 U.S.C. § 5311(j)(1)(A)(iii), means an individual whose family income is at or below 100 percent of the poverty line, as that term is defined in section 673(2) of the Community Services Block Grant Act, 42 U.S.C. § 9902(2), including any revision required under that section, for a family of the size involved.
- (26) *Master Credit Agreement* means a Loan, Loan Guarantee, or Line of Credit made available to a Recipient under the Transportation Infrastructure Finance and Innovation Act (TIFIA) of 1998, as amended, 23 U.S.C. §§ 601 – 609, the type of Underlying Agreement used for a TIFIA loan, loan, or loan guarantee.
- (27) *Non-Federal Funds or Non-Federal Share* includes the following sources of funding or in-kind property or services used to match the federal assistance awarded for the Grant or Cooperative Agreement:
- (a) Local funds,
 - (b) Local in-kind property or services,
 - (c) State funds,
 - (d) State in-kind property or services,
 - (e) Other federal funds for which the federal statute authorizing a program specifically provides that federal funds made available for that program can be applied to the cost sharing requirements of other federal programs.
- (28) *Non-Tribal Service Provider*, for purposes of 49 U.S.C. § 5311(j)(2), means a non-tribal provider of public transportation that connects residents of tribal lands with surrounding communities, improves access to employment or healthcare, or otherwise addresses the mobility needs of tribal members.
- (29) *Project* means the public transportation improvement activities eligible for federal assistance in an application to FTA and/or in an FTA Award.
- (30) *Public Transportation*, has the same meaning as “transit” or “mass transportation,” and, consistent with the definition at 49 U.S.C. § 5302, means regular, continuing shared-ride surface transportation services that are open to the general public, or open to a segment of the general public defined by age, disability, or low income, but does not include:
- (a) Intercity passenger rail transportation provided by Amtrak or a successor thereof as described in 49 U.S.C. chapter 243,
 - (b) Intercity bus service,
 - (c) Charter service,
 - (d) School bus service.
 - (e) Sightseeing service,
 - (f) Courtesy shuttle service for patrons of one or more specific establishments, or

- (g) Intra-terminal or intra-facility shuttle services.
- (31) *Recipient or Direct Recipient* means a non-federal entity that receives a federal award directly from a federal awarding agency to carry out an activity under a federal program. The term “Recipient” does not include a Subrecipient.
- (32) *Scope of Work* means the purpose of the Grant Agreement or Cooperative Agreement and the activities and approaches required to carry out a Project. The scope of work consists of various components, including the Award Budget, beneficiaries, locations, and other aspects identified in the approved application. FTA reserves the right to consider other information in determining the scope of the Project or the “scope of work of a Grant Agreement or Cooperative Agreement” when “scope” is used for other purposes. See the latest edition of the FTA Master Agreement.
- (33) *Split Letter* (sometimes referred to as a suballocation letter or government subapportionment letter) means a letter in which a Designated Recipient of Urbanized Area Formula Grant Program funding authorized by 49 U.S.C. § 5307, agrees to a reassignment or reallocation of that federal assistance to one or more direct Recipients.
- (34) *Subagreement or Subgrant* means an agreement through which the Recipient awards federal assistance to its Subrecipient(s) to support or stimulate any of the Recipient’s or Subrecipient’s Projects or related activities supported under the Award, the accompanying Underlying Agreement, or Amendments thereto, but does not include a third party contract, third party subcontract, or lease.
- (35) *Subrecipient or Subgrantee* means any entity or person that receives federal assistance provided by an FTA Recipient instead of FTA directly, but does not include a Third Party Contractor, Third Party Subcontractor, or Lessee.
- (36) *Third Party Agreement* includes agreements or arrangements supported in whole or in part with federal assistance awarded to a Recipient by FTA, including a subagreement with a subrecipient, a third party contract, a third party subcontract, a lease, or similar arrangement or agreement as FTA may recognize.
- (37) *Third Party Contract* means a legal instrument by which a Recipient or Subrecipient purchases property or services needed to carry out the Grant Agreement or Cooperative Agreement. This does not include an instrument describing a transaction that meets the definition of a federal Award, Grant, Cooperative Agreement, Subaward, or Subagreement.
- (38) *Third Party Participant* means each participant in the Recipient’s Project, except for FTA and the Recipient, whose work under the Project is supported with FTA funding, eligible non-federal share dedicated to the Project, or is dedicated as an in-kind contribution eligible for non-federal share. A Third Party Participant may be a Subrecipient, Third Party Contractor, Third Party Subcontractor, Lessee, or Similar

Participant in the Recipient's Project (for example, a partner in a joint development venture).

- (39) *Third Party Subcontract* means a subcontract entered into by the Third Party Contractor with a Third Party Subcontractor, or a Third Party Subcontractor with another Third Party Subcontractor at any tier, and is supported in whole or in part with the federal assistance originally derived from FTA, or non-federal share dedicated to the Recipient's Underlying Agreement.
- (40) *Underlying Agreement* means a specific Grant Agreement, Cooperative Agreement, Other Agreement, or Master Credit Agreement, including any amendments thereto, supported with federal assistance appropriated or made available under the TIFIA program.
- (41) *Unique Entity Identifier* has two meanings:
- (a) A Recipient's or a Subrecipient's unique entity identifier for purposes of the "System of Award Management" (SAM), which currently is the DUNs Number, but,
 - (b) For FTA purposes, FTA assigns a separate Recipient/Vendor ID as a "unique entity identifier," which is a four digit number and is displayed on the Grant Agreement and the Cooperative Agreement following the heading "Recipient ID."
- (42) *Waiver* has the same meaning as the definition of *Approval* in this section of this Master Agreement.
- b. Application of Definitions. The Recipient also agrees that the definitions in section 2.a above apply throughout this Master Agreement.

Section 3. Implementation.

- a. Effective Date. The Effective Date of Recipient's Underlying Agreement is the date when the authorized FTA official signs the Underlying Agreement.
- b. Description of Each Project. The "Description of Each Project" in the "FTA Award" section of the Recipient's Underlying Agreement often provides only a brief description of each Project and related activities to be undertaken by the Recipient; therefore, the Recipient agrees to perform the work described in the terms of its Underlying Agreement, including all the documents and information incorporated by reference and made part of that Underlying Agreement.
- c. Prompt Implementation. After receiving notice that the FTA official signed the Underlying Agreement, the Recipient agrees to undertake promptly each Project and related activities described in the Underlying Agreement.
- d. Completion Dates. The Recipient agrees to complete each Project within the time periods specified in the Underlying Agreement. Unless FTA determines otherwise in writing, the

milestone dates and other completion dates applicable to the Award are good faith estimates and are not intended to be firm contractual requirements. However, FTA and the Recipient agree that milestone dates and other completion dates for Full Funding Grant Agreements, Small Starts Grant Agreements or other specific agreements in which FTA expressly states that the milestone dates or other completion dates for the Underlying Agreement are firm dates that may be enforced.

- e. The Recipient's Capacity. To carry out its Underlying Agreement, the Recipient agrees to maintain:
- (1) Sufficient legal, financial, technical, and managerial capacity, and adequate functional capacity to:
 - (a) Plan, manage, and complete its responsibilities outlined in the Underlying Agreement,
 - (b) Use the Project property,
 - (c) Carry out the safety and security aspects of the Underlying Agreement,
 - (d) Comply with the terms and conditions of the Underlying Agreement, the Recipient's annual Certifications and Assurances to FTA, and applicable federal laws, regulations, and requirements, and
 - (e) Follow applicable federal guidance, except as the Federal Government determines otherwise in writing.
 - (2) Strong internal controls to assure that it is managing its Award in compliance with federal laws, regulations, requirements, and the terms and conditions of the Underlying Agreement including, but not limited to:
 - (a) Amendments or revisions to its Award Budget,
 - (b) Salaries and wages of the Recipient and Subrecipient personnel,
 - (c) Protection of personally identifiable information and other sensitive information, and
 - (d) Other matters that must be in compliance with federal laws, regulations, requirements, and the terms and conditions of the Underlying Agreement.
- f. U.S. DOT Administrative Requirements. The Recipient agrees to comply with the following U.S. DOT requirements (Common Rules) to the extent applicable:
- (1) Requirements Applicable On or After December 26, 2014: The following requirements apply to the Award, the accompanying Underlying Agreement, and any Amendments thereto signed by an authorized FTA official on or after December 26, 2014 as follows:
 - (a) U.S. DOT regulations, "Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards," 2 C.F.R. part 1201, which incorporates by reference U.S. OMB regulatory guidance, "Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards," 2 C.F.R. part 200, and which applies to an Award, the accompanying Underlying Agreement, and any Amendments to any Underlying Agreement with a state, local government, Indian tribe, institution of higher education (IHE), or nonprofit organization, and
 - (b) Except as FTA determines otherwise in writing, U.S. DOT regulations, "Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards," 2 C.F.R. part 1201, and Subparts A through E of U.S. OMB

regulatory guidance, “Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards,” 2 C.F.R. part 200, apply to a private for-profit entity; notably, the Cost Principles of subpart 31.2 of the Federal Acquisition Regulation, which permits the payment of profits or fees for work under procurement contracts, generally will not apply to private for-profit entities.

- (2) Requirements Applicable Before December 26, 2014. The following requirements apply to the Award, the accompanying Underlying Agreement, and any Amendments thereto signed by an authorized FTA official before December 26, 2014 as follows:
- (a) For a state, local government, or Indian tribal government, U.S. DOT regulations, “Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments,” former 49 C.F.R. part 18,
 - (b) For an institution of higher education or a nonprofit organization, U.S. DOT regulations, “Uniform Administrative Requirements for Grants and Agreements with Institutions of Higher Education, Hospitals, and Other Non-Profit Organizations,” former 49 C.F.R. part 19, or
 - (c) For a private for-profit organization, U.S. DOT regulations, “Uniform Administrative Requirements for Grants and Agreements with Institutions of Higher Education, Hospitals, and Other Non-profit Organizations,” former 49 C.F.R. part 19.

g. Application of Federal, State, and Local Laws, Regulations, Requirements, and Guidance. The Recipient agrees to comply with all applicable federal requirements and federal guidance. All standards or limits are minimum requirements when those standards or limits are included in the Recipient’s Underlying Agreement, or this Master Agreement. At the time the FTA Authorized Official awards federal assistance to the Recipient in support of the Underlying Agreement, the federal requirements and guidance that apply then may be modified from time to time, and will apply to the Recipient or the accompanying Underlying Agreement.

- h. The Recipient’s Responsibility to Comply with Federal Requirements. Irrespective of involvement by any other entity in the Underlying Agreement:
- (1) General. The Recipient agrees that it must comply with all federal requirements that apply to itself and the Underlying Agreement.
 - (2) Primary Responsibility for Compliance.
 - (a) The Recipient, as the Direct Recipient of federal assistance, agrees that it is ultimately responsible for full compliance with federal requirements related to itself, its Award, the accompanying Underlying Agreement, and any Amendments thereto, even though:
 - 1 A Third Party Participant provides property or services to support a Project or related activities implementing the Award, the accompanying Underlying Agreement, any Amendments thereto, or
 - 2 Another entity or person is involved with the Award, the accompanying Underlying Agreement, or any Amendments thereto.
 - (b) FTA and the Recipient agree that if FTA makes an Award to a Recipient other than the Designated Recipient as defined under 49 U.S.C. § 5302, the Designated Recipient is not a party to the Award or the Underlying Agreement and is not

responsible for compliance with federal requirements related to the Underlying Agreement. However, if FTA makes an Award to a Designated Recipient, then that Designated Recipient is responsible for compliance with federal requirements related to its Underlying Agreement. FTA and the Recipient further agree to the terms of the Designated Recipient's Split Letter, Suballocation Letter, or Government Subapportionment Letter attached in FTA's Transit Award Management System (TrAMS), including the amounts allocated by the Designated Recipient to each Direct Recipient, and the commitment to comply with the associated transit improvement requirement as stated in that letter.

- (c) Apart from other oversight and reviews FTA may conduct, the Recipient agrees that FTA is expressly authorized to conduct oversight of the Recipient's and its Subrecipients' compliance with federal requirements for safety and security, procurement (including Buy America requirements), management, and finance.

i. The Recipient's Responsibility to Extend Federal Requirements to Third Party Participants.

In certain circumstances, the Recipient's compliance with specific federal requirements depends on compliance by its Third Party Participant(s) with those federal requirements, and therefore:

- (1) General. The Recipient agrees to ensure that its Third Party Participant(s) will comply with applicable federal requirements, and follow applicable federal guidance.
- (2) The Recipient as a "Pass-Through" Entity. If the Recipient is providing a subaward to a Subrecipient to carry out all or part of its Award, the Recipient agrees to obtain the agreement of each Subrecipient to comply with U.S. DOT's administrative requirements, as set forth above.
- (3) Performance of the Recipient's Responsibilities. If a Third Party Participant is expected to fulfill any responsibilities typically performed by the Recipient, the Recipient agrees to ensure that the Third Party Participant will carry out the Recipient's responsibilities in compliance with federal requirements, and provide enough information to each Third Party Participant so that it understands that it will be expected to follow federal guidance.
- (4) Risk. As provided in 2 C.F.R. part 1201, which incorporates by reference 2 C.F.R. part 200, the Recipient agrees to evaluate the risk involved before awarding a subagreement to any entity.
- (5) Third Party Agreements. To comply with federal requirements, the Recipient agrees to enter into a written Third Party Agreement with each Third Party Participant in its Underlying Agreement and must include all appropriate provisions stating the Third Party Participant's responsibilities to assure the Recipient's capability to comply with applicable federal requirements and guidance and specifying the responsibilities that the Third Party Participant will fulfill on the Recipient's behalf.
- (6) Notice to Third Party Participants. The Recipient agrees to include notice in each Third Party Agreement that:
 - (a) Federal requirements that apply to the Recipient or the Award, the accompanying Underlying Agreement, and any Amendments thereto may change due to changes in federal law, regulation, other requirements, or guidance, or changes in the Recipient's Underlying Agreement including any information incorporated by reference and made part of that Underlying Agreement, and

- (b) Applicable changes to those federal requirements will apply to each Third Party Agreement and parties thereto at any tier.
- j. Changed Circumstances. The Recipient agrees that changed circumstances may occur that may impact the Recipient's ability to comply with the terms and conditions of the Underlying Agreement.
- (1) Types of Changes. Certain circumstances can cause significant changes in performance of a Project or related activities or adversely affect the Recipient's ability to carry out its Underlying Agreement, such as a:
- (a) Change in federal requirements or guidance,
 - (b) Change in state, territorial, local, or tribal requirements,
 - (c) Change in the Recipient's circumstances, including:
 - 1 Its legal, financial, technical, or managerial capacity,
 - 2 Its continuing control of Project property, or
 - 3 Another similar situation, and
 - (d) Any current or prospective legal matter with potentially serious consequences, including a major dispute, default, breach, or litigation, or credible evidence that the Recipient's principal, official, employee, agent, or a Third Party Participant, or other person has submitted a false claim under the False Claims Act, 31 U.S.C. § 3729 *et seq.*, or has committed a criminal or civil violation of law pertaining to fraud, conflict of interest, bribery, gratuity, or similar misconduct involving federal assistance; suspension, debarment, or other similar administrative or enforcement action against the Recipient or any Third Party Participant; or any matter or situation, including any other change or legal action that may adversely affect the Federal Government's interest in a Project or related activities.
- (2) Notice. In the circumstances described above, the Recipient agrees to provide immediate written notice to the:
- (a) FTA Regional Counsel for the Region in which the Recipient operates public transportation or implements the Underlying Agreement,
 - (b) FTA Headquarters Manager that administers the Underlying Agreement, or
 - (c) FTA Chief Counsel.
- k. Conflict Between Federal Requirements and State, Territorial, Local, or Tribal Requirements. FTA and the Recipient understand that a federal requirement may conflict with a state, territorial, local, or tribal requirement, and agree that the Recipient must comply with each applicable federal requirement that pre-empts the conflicting state, territorial, local, or tribal requirement.
- (1) Compliance with State, Territorial, Local or Tribal Requirements. Unless otherwise pre-empted by a federal requirement, FTA and the Recipient agree that:
- (a) FTA expects the Recipient to comply with applicable state, territorial, local, and tribal requirements, and
 - (b) FTA does not require the Recipient to take any action involving the Underlying Agreement that would violate a state, territorial, local, or tribal requirement that is in conflict with a federal requirement.
- (2) When a Conflict Arises. When a federal requirement conflicts with a state, territorial, local, or tribal requirement:

- (a) The Recipient must notify FTA immediately in writing if compliance with the federal requirement would violate a state, territorial, local, or tribal requirement, or require the Recipient to violate a state, territorial, local, or tribal requirement.
 - (b) The Recipient must make appropriate arrangements with FTA to proceed with its responsibilities as set forth in the Underlying Agreement, or terminate the Underlying Agreement expeditiously, if necessary.
- l. No Federal Government Commitment or Liability to Third Parties. Except as the Federal Government expressly consents in writing, the Recipient agrees that:
- (1) The Federal Government does not and shall not have any commitment or liability related to the Underlying Agreement, to any Third Party Participant at any tier, or to any other person or entity that is not a party (FTA or the Recipient) to the Underlying Agreement, and
 - (2) Notwithstanding that the Federal Government may have concurred in or approved any Solicitation or Third Party Agreement at any tier that may affect the Underlying Agreement, the Federal Government does not and shall not have any commitment or liability to any Third Party Participant or other entity or person that is not a party (FTA or the Recipient) to the Underlying Agreement.

Section 4. Ethics.

- a. Standards of Conduct. At a minimum, the Recipient agrees to, and assures that its Subrecipients will, establish and maintain written Standards of Conduct covering conflicts of interest that:
- (1) Apply to the following individuals who have a present or potential financial interest, or other significant interest, such as a present or potential employment interest in the selection, award, or administration of a third party contract or subcontract:
 - (a) The Recipient or its Subrecipients' officers, employees, board members, or agents engaged in the selection, award, or administration of any third party agreement,
 - (b) The immediate family members or partners of those listed above in section 4.a(1)(a) of this Master Agreement, and
 - (c) An entity or organization that employs or is about to employ any person that has a relationship with the Recipient or its Subrecipient listed above in sections 4.a(1)(a) and (b) of this Master Agreement;
 - (2) Prohibit those individuals listed above in section 4.a(1) from:
 - (a) Engaging in any activities involving the Recipient or any of its Subrecipients' present or potential Third Party Participants at any tier, including selection, award, or administration of a third party agreement in which the individual has a present or potential financial or other significant interest, and
 - (b) Accepting a gratuity, favor, or anything of monetary value from a present or potential Third Party Participant in the Recipient's Underlying Agreement, unless the gift is unsolicited and has an insubstantial financial or nominal intrinsic value; and
 - (3) Establish penalties, sanctions, or other disciplinary actions for violations, as permitted by state or local law or regulations, that apply to those individuals listed above in section 4.a(1) and the Recipient or Subrecipient's Third Party Participants.

- b. Debarment and Suspension. The Recipient agrees to the following:
- (1) It will comply with the following requirements of 2 C.F.R. part 180, subpart C, as adopted and supplemented by U.S. DOT regulations at 2 C.F.R. part 1200.
 - (2) It will not enter into any arrangement to participate in the development or implementation of the Underlying Agreement with any Third Party Participant that is debarred or suspended except as authorized by:
 - (a) U.S. DOT regulations, "Nonprocurement Suspension and Debarment," 2 C.F.R. part 1200,
 - (b) U.S. OMB regulatory guidance, "Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," 2 C.F.R. part 180, including any amendments thereto,
 - (c) Executive Orders No. 12549, "Uniform Suspension, Debarment or Exclusion of Participants from Procurement or Nonprocurement Activity," October 13, 1994, 31 U.S.C. § 6101 note, as amended by Executive Order No. 12689, "Debarment and Suspension," August 16, 1989, 31 U.S.C. § 6101 note, and
 - (d) Other applicable federal laws, regulations, or guidance regarding participation with debarred or suspended Recipients or Third Party Participants.
 - (3) It will review the U.S. GSA "System for Award Management – Lists of Parties Excluded from Federal Procurement and Nonprocurement Programs," <https://www.sam.gov>, if required by U.S. DOT regulations, 2 C.F.R. part 1200.
 - (4) It will include, and require each Third Party Participant to include, a similar provision in each lower tier covered transaction, ensuring that each lower tier Third Party Participant:
 - (a) Complies with federal debarment and suspension requirements, and
 - (b) Reviews the SAM at <https://www.sam.gov>, if necessary to comply with U.S. DOT regulations, 2 C.F.R. part 1200.
 - (5) If the Recipient suspends, debars, or takes any similar action against a Third Party Participant or individual, the Recipient will provide immediate written notice to the:
 - (a) FTA Regional Counsel for the Region in which the Recipient is located or implements the Underlying Agreement,
 - (b) FTA Headquarters Manager that administers the Grant or Cooperative Agreement, or
 - (c) FTA Chief Counsel.
- c. Bonus or Commission. The Recipient affirms that it has not paid, and agrees that it will not pay, any bonus or commission to obtain federal assistance for any Project or related activities supported under the Underlying Agreement.
- d. Lobbying Restrictions. The Recipient agrees that neither it nor any Third Party Participant will use federal assistance to influence any officer or employee of a federal agency, member of Congress or an employee of a member of Congress, or officer or employee of Congress on matters that involve the Underlying Agreement, including any extension or modification, according to the following:
- (1) Laws, Regulations, Requirements, and Guidance. This includes:
 - (a) The Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352, as amended,

- (b) U.S. DOT regulations, "New Restrictions on Lobbying," 49 C.F.R. part 20, to the extent consistent with 31 U.S.C. § 1352, as amended, and
 - (c) Other applicable federal laws, regulations, requirements, and guidance prohibiting the use of federal assistance for any activity concerning legislation or appropriations designed to influence the U.S. Congress or a state legislature, and
 - (2) Exception. If permitted by applicable federal law, regulations, requirements, or guidance, such lobbying activities described above may be undertaken through the Recipient's or Subrecipient's proper official channels.
- e. Political Activity. The Recipient agrees to comply with:
- (1) The Hatch Act, 5 U.S.C. chapter 15, which limits the political activities of state and local government agencies supported in whole or in part with federal assistance, including the political activities of state and local government officers and employees whose principal governmental employment activities are supported in whole or in part with federal assistance,
 - (2) U.S. Office of Personnel Management regulations, "Political Activity of State or Local Officers or Employees," 5 C.F.R. part 151, and
 - (3) 49 U.S.C. § 5323(1)(2) and 23 U.S.C. § 142(g), which limits the applicability of the Hatch Act, as follows:
 - (a) The Hatch Act does not apply to nonsupervisory employees of a public transportation system, or any other agency or entity performing related functions, based upon the Award of federal assistance under 49 U.S.C. chapter 53 or 23 U.S.C. § 142(a)(2), but
 - (b) Notwithstanding the preceding section 4.g(3)(a) of this Master Agreement, the Hatch Act does apply to a nonsupervisory employee if imposed for a reason other than the Award of federal assistance to its employer under 49 U.S.C. chapter 53 or 23 U.S.C. § 142(a)(2).
- f. False or Fraudulent Statements or Claims.
- (1) Civil Fraud. The Recipient acknowledges and agrees that:
 - (a) Federal laws, regulations, and requirements apply to itself and its Underlying Agreement, including the Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. § 3801 *et seq.*, and U.S. DOT regulations, "Program Fraud Civil Remedies," 49 C.F.R. part 31.
 - (b) By executing the Underlying Agreement, the Recipient certifies and affirms to the Federal Government the truthfulness and accuracy of any claim, statement, submission, certification, assurance, affirmation, or representation that the Recipient provides to the Federal Government.
 - (c) The Federal Government may impose the penalties of the Program Fraud Civil Remedies Act of 1986, as amended, and other applicable penalties if the Recipient presents, submits, or makes available any false, fictitious, or fraudulent information.
 - (2) Criminal Fraud. The Recipient acknowledges that 49 U.S.C. § 5323(1)(1) authorizes the Federal Government to impose the penalties under 18 U.S.C. § 1001 if the Recipient provides a false, fictitious, or fraudulent claim, statement, submission, certification,

assurance, or representation in connection with a federal public transportation program under 49 U.S.C. chapter 53 or any other applicable federal law.

g. Trafficking in Persons.

- (1) Legal Authorities. The Recipient agrees to comply and assures the compliance of each Subrecipient, with federal requirements and guidance, including:
 - (a) Section 106(g) of the Trafficking Victims Protection Act of 2000 (TVPA), as amended, 22 U.S.C. § 7104(g), and
 - (b) The terms of this section 4.g, which have been derived from U.S. OMB regulatory guidance, "Award Term for Trafficking in Persons," 2 C.F.R. part 175, per U.S. OMB's direction.
- (2) Definitions. The Recipient agrees that for purposes of this section 4.g:
 - (a) Employee means either: an individual who is employed by the Recipient or a Subrecipient, and is participating in a Project or related activities as set forth in the Underlying Agreement, or another person who is participating in a Project or related activities as set forth in the Underlying Agreement and is not compensated by the Recipient, including, but not limited to, a volunteer, or an individual whose services are contributed by the Recipient or Third Party Participant as an in-kind contribution toward the cost sharing requirements of the Recipient's Underlying Agreement.
 - (b) Forced labor means labor obtained by recruitment, harboring, transportation, provision, or other means of obtaining of a person for labor or services through the use of force, fraud, or coercion for the purpose of subjection to involuntary servitude, peonage, debt bondage, or slavery.
 - (c) Private entity means any entity other than a state, local government, Indian tribe, or foreign public entity, as those terms are defined in 2 C.F.R. § 175.25, and includes a for-profit organization, or a nonprofit organization, including any nonprofit organization of higher education, hospital, or tribal organization other than one included in the definition of Indian Tribe at 2 C.F.R. § 175.25(b).
 - (d) Severe forms of trafficking in persons has the meaning given at section 103 of the TVPA, as amended, 22 U.S.C. § 7102.
 - (e) Commercial sex act has the meaning given at section 103 of the TVPA, as amended, 22 U.S.C. § 7102.
 - (f) Coercion has the meaning given at section 103 of the TVPA, as amended, 22 U.S.C. § 7102.
- (3) Provisions Applicable to All Recipients. The Recipient agrees to, and assures that its Subrecipients will:
 - (a) Provide Information. Inform FTA immediately of any information it receives from any source alleging a violation of the prohibitions listed in section 4.g(4) of this Master Agreement, and
 - (b) Subagreement Provision. Include the following provision in any subagreement it enters into with a private entity as defined above in section 4.g(2)(c) of this Master Agreement:

_____ agrees that it and its employees that participate in the Recipient's Award, may not:

1. *Engage in severe forms of trafficking in persons during the period of time that the Recipient's Award is in effect,*
 2. *Procure a commercial sex act during the period of time that the Recipient's Award is in effect, or*
 3. *Use forced labor in the performance of the Recipient's Award or subagreements thereunder.*
- (4) Provisions Applicable to a Private Entity Recipient. If the Recipient is a private entity, it agrees that:
- (a) Prohibitions. It, its employees, its Subrecipients, and its Subrecipients' employees that participate in the Underlying Agreement will not:
 - 1 Engage in severe forms of trafficking in persons during the period of time that the Recipient's Underlying Agreement is in effect,
 - 2 Procure a commercial sex act during the period of time that the Recipient's Underlying Agreement is in effect, or
 - 3 Use forced labor in the performance of the Recipient's Underlying Agreement or subagreements.
 - (b) Termination of Federal Assistance. Section 106(g) of the TVPA, as amended, 22 U.S.C. § 7104(g), and U.S. OMB regulatory guidance, "Award Term for Trafficking in Persons," 2 C.F.R. part 175, provide FTA the right to unilaterally terminate the Underlying Agreement for a violation of that Act without penalty to the Federal Government, if FTA determines that the private entity Recipient or its Subrecipient:
 - 1 Has violated a prohibition described above in section 4.g(4)(a) of this Master Agreement, or
 - 2 Has an employee whose conduct is determined to have violated a prohibition described above in section 4.g(4)(a) of this Master Agreement because that employee's conduct is either:
 - a Associated with performance of the Recipient's Underlying Agreement, or
 - b Imputed to the Recipient or Subrecipient using the standards of due process for conduct of an individual to an organization provided in:
 - (i) U.S. DOT regulations, "Nonprocurement Suspension and Debarment," 2 C.F.R. part 1200, or
 - (ii) U.S. OMB regulatory guidance, "Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," 2 C.F.R. part 180.
- (5) Provisions Applicable to a Recipient That is Not a Private Entity. A Recipient that is not a private entity agrees that section 106(g) of the TVPA, as amended, 22 U.S.C. § 7104(g), and U.S. OMB regulatory guidance, "Award Term for Trafficking in Persons," 2 C.F.R. part 175, provides FTA the right to unilaterally terminate the Underlying Agreement, without penalty to the Federal Government, for a violation of that Act if FTA determines that:
- (a) A private entity that is the Subrecipient of the Recipient is determined to have engaged in severe forms of trafficking in persons during the period of time that the Recipient's Underlying Agreement is in effect; procured a commercial sex act during the period of time that the Recipient's Underlying Agreement is in effect;

- or used forced labor in the performance of the Recipient's Underlying Agreement or subagreements thereunder, or
- (b) An employee of a private entity that is the Subrecipient has engaged in severe forms of trafficking in persons during the period of time that the Recipient's Underlying Agreement is in effect; procured a commercial sex act during the period of time that the Recipient's Underlying Agreement is in effect; or used forced labor in the performance of the Recipient's Underlying Agreement or subagreements thereunder, and whose conduct described above is associated with performance in the Recipient's Underlying Agreement; or is imputed to the Subrecipient using the standards for due process to impute the conduct of an individual to an organization provided in U.S. OMB regulatory guidance, "Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," 2 C.F.R. part 180, and U.S. DOT regulations, "Nonprocurement Suspension and Debarment," 2 C.F.R. part 1200.
- (6) Remedies Other Than Termination of Federal Assistance. The Recipient agrees that FTA's right to terminate federal assistance as provided in the TVPA and in sections 4.g(4)(b) and 4.g(5) are in addition to all other remedies for noncompliance available to the Federal Government under this Master Agreement.

Section 5. Federal Assistance.

- a. Total Federal Assistance Awarded and Obligated. The Recipient agrees that FTA's responsibility to provide federal assistance for its Underlying Agreement is up to the amount shown in the Underlying Agreement, as modified by any Amendments thereto, which is equal to the smallest of: (1) the maximum amount permitted by federal law or regulation, or (2) the "Total FTA Amount Awarded and Obligated," as stated in the Underlying Agreement. FTA's responsibility to provide federal assistance is limited to the amounts listed in the most recent Award Budget identified in the Underlying Agreement and may not exceed the federal share of the actual eligible expenses incurred for participation in the Award.
- b. Basis of Federal Assistance. The Recipient agrees that the "Total FTA Amount Awarded and Obligated" stated in the Underlying Agreement and modified by any Amendments thereto forms the basis on which FTA determines the "Total FTA Amount Awarded and Obligated."
 - (1) "Net Project Cost." The Recipient agrees that if federal law or regulation requires an Underlying Agreement to be financed on the basis of its "Net Project Cost," as defined in 49 U.S.C. § 5302:
 - (a) FTA will provide federal assistance for a percentage of the portion of the "Total Award Budget" that the Recipient cannot reasonably finance from its revenues, which is the "Net Project Cost,"
 - (b) FTA will use the amount of the "Total Award Budget" stated on the Underlying Agreement to calculate the "Total FTA Amount Awarded and Obligated," and
 - (c) In TrAMS, the amount stated as the "Total Award Budget" on the Underlying Agreement is actually the "Net Project Cost," as defined in 49 U.S.C. § 5302.

- (2) Other Basis for FTA Participation. The Recipient agrees that if federal law or FTA permits an Underlying Agreement to be financed on a basis other than its "Net Project Cost," as defined in 49 U.S.C. § 5302, or under previous authorizing legislation:
 - (a) FTA will provide federal assistance for all or part of the cost of the Underlying Agreement that is eligible for federal assistance,
 - (b) In some instances, FTA has discretion to determine the amount of federal assistance to provide for each specific Project or related activities, and
 - (c) FTA will use the amount stated in the Underlying Agreement as the "Total Award Budget" to calculate the "Total FTA Amount Awarded and Obligated."
- c. Award Budget. The Recipient agrees that it will prepare an Award Budget that, after FTA has provided its approval, will be incorporated by reference and made part of the Underlying Agreement.
 - (1) Restrictions. The Recipient agrees that it will not incur costs eligible for FTA participation under the Award or withdraw federal assistance for eligible costs incurred unless those costs are consistent with the Award Budget.
 - (2) Amendments to the Award Budget. To the extent specified in applicable FTA program management guidance, the Recipient agrees that it must obtain prior FTA approval in writing before amending its Award Budget or transferring federal assistance for the Award if the transfer is not expressly authorized by federal law, regulation, or guidance. An Award of additional federal assistance will require an amended Award Budget.
 - (3) Revisions to the Award Budget. To the extent specified in applicable FTA program management guidance, the Recipient may revise the Award Budget without prior FTA written approval. The Recipient agrees that all other Award Budget revisions will require prior FTA approval in writing.
 - (4) Unexpended Federal Assistance. The Recipient agrees to inform FTA promptly if it believes it will have unexpended federal assistance after the period of performance for the Award ends.

Section 6. Non-Federal Share.

- a. Amount. The Recipient agrees to provide the amount of non-federal share specified in the Underlying Agreement. Except to the extent that FTA has provided its written consent permitting the Recipient to defer payment of the non-federal share required by the Underlying Agreement, the Recipient agrees to provide its proportionate amount of the non-federal share no later than the time it draws down the federal share to pay the eligible costs.
- b. Duty to Obtain. The Recipient agrees to complete all proceedings necessary to provide the non-federal share and to notify FTA of any changed circumstances adversely affecting its ability to pay the non-federal share, including a description of the actions it has taken or will take to ensure adequate resources to provide the non-federal share, and a re-affirmation of its commitment to provide the non-federal share.
- c. Permissible Sources. The Recipient agrees that the following are permissible sources of the non-federal share for the Award:
 - (1) Undistributed cash surpluses,

- (2) A replacement or depreciation cash fund or reserve, and
 - (3) New capital.
- d. Restricted Sources. Because sources of non-federal share differ among FTA's public transportation assistance programs, FTA will specify in an FTA circular or otherwise whether the following sources may be used as the non-federal share for a specific Award under that program:
- (1) Program income generated by a Project or related activities supported by a prior Grant or Cooperative Agreement, which is a form of undistributed cash surplus,
 - (2) Advertising revenues,
 - (3) Concession revenues,
 - (4) Revenues from a service agreement from a state or local social service agency or a private social service organization,
 - (5) Third party in-kind contributions,
 - (6) Proceeds from the issuance of revenue bonds pursuant 49 U.S.C. § 5323(e),
 - (7) Transportation development credits (formerly toll revenue credits) pursuant to 49 U.S.C. § 120(i),
 - (8) Revenue from Value Capture pursuant to 49 U.S.C. § 5323(s),
 - (9) Federal assistance made available for the Federal Lands Highway Program authorized under 23 U.S.C. § 204, or
 - (10) Federal assistance derived from other federal laws that permit their funds to be used as the non-federal share.
- e. Prohibited Sources. Except as permitted by federal laws, regulations, requirements, or guidance, or approved in writing by FTA, the Recipient agrees that it will not provide any non-federal share for the Underlying Agreement derived from:
- (1) Farebox revenues from providing public transportation services using facilities and equipment acquired with federal assistance for the Award,
 - (2) Program income derived from the use of facilities or equipment acquired with federal assistance for the Award, except if expressly permitted by federal laws, regulations, requirements, or FTA guidance, or
 - (3) Other federal funds not authorized for use as non-federal share by federal law, regulation, or guidance.
- f. Reductions or Refunds.
- (1) Reductions. The Recipient agrees that if it reduces the non-federal share of eligible costs required for the Award, then, at the same time, it must reduce the proportionate amount of federal assistance for the Award.
 - (2) Refunds. The Recipient agrees that if it accepts a refund of the non-federal share of eligible costs provided through the Underlying Agreement, then, at the same time, it must provide the Federal Government an amount of that refund proportionate to the federal contribution.

Section 7. Payments to the Recipient.

- a. Conditions for Accessing Federal Assistance. In order to seek or obtain federal assistance for the costs of implementing the Award, the Recipient agrees that:
- (1) It must execute the Underlying Agreement and any Amendments thereto,
 - (2) It must receive and file a properly signed document seeking payment for the expense, such as a voucher or other appropriate record, and a properly detailed description of the relationship of the expense to the Award,
 - (3) It must identify all sources of federal assistance from which the payment is derived,
 - (4) It must provide FTA with all financial and progress reports required to date, and
 - (5) If the Recipient must provide a non-federal share, unless FTA has stated otherwise in writing that the Recipient may defer the non-federal share:
 - (a) The Recipient will not request or obtain more federal assistance than justified by the eligible non-federal share it has provided,
 - (b) The Recipient will not cause the proportion of federal assistance available for the Award at any time to exceed the percentage of federal assistance authorized and documented in the Underlying Agreement, and
 - (c) When combined with federal payments, the Recipient will be able to demonstrate that the non-federal share will be adequate to cover all eligible costs incurred in support of the Award.
- b. Eligible Costs. Except as the Federal Government determines otherwise in writing, the Recipient agrees, and will obtain the agreement of each Subrecipient, to seek and obtain federal assistance only for the eligible costs of the Award that are:
- (1) Consistent with the Description of Each Project, the Award Budget, this Master Agreement, and the Underlying Agreement and any Amendments thereto,
 - (2) Necessary to carry out the Award,
 - (3) Reasonable for the property or services acquired for use in the Project,
 - (4) The actual net costs, which consists of the price paid minus reductions of the costs incurred, such as any refunds, rebates, or other items of value, but excluding program income,
 - (5) Incurred for work performed after the Effective Date of the:
 - (a) Award,
 - (b) Pre-award authority that FTA has provided, or
 - (c) Letter of No Prejudice,
 - (6) Satisfactorily documented,
 - (7) Consistent with federally approved accounting principles and procedures, including requirements for indirect costs, consistent with the applicable U.S. DOT common rules, and
 - (8) Consistent with applicable U.S. DOT Common Rules and other applicable federal law, regulations, requirements, and guidance.
- c. Ineligible Costs. The Recipient agrees that, except as the Federal Government determines otherwise in writing, FTA will exclude ineligible costs incurred in connection with the Award or otherwise, such as:
- (1) A cost the Recipient has incurred before the Effective Date of the Award as documented in the Underlying Agreement or any Amendments thereto that is not accompanied by FTA's written approval, including, but not limited to, pre-award authority or a Letter of

- No Prejudice, and permitted by applicable federal law, regulation, guidance, or the Underlying Agreement or any Amendments thereto,
- (2) A cost not included in the most recent Award Budget,
 - (3) A cost for property or services received in connection with any third party agreement lacking any FTA approval or concurrence in writing that is required,
 - (4) An ordinary governmental or operating cost not applicable to the Award, as prohibited by 49 U.S.C. § 5323(h),
 - (5) A profit or fee for services provided by the Recipient or any of its Subrecipients in implementing the Award, or
 - (6) A cost that is ineligible for FTA participation as provided in applicable federal law, regulation, or guidance.
- d. Bond Interest and Other Financing Costs – Limited Eligibility. The Recipient agrees that bond interest and other financing costs are allowable costs to the extent permitted by applicable federal law, regulation, and guidance. FTA’s share of interest and financing costs that implement the Award will be limited to an amount that does not exceed the most favorable financing terms reasonably available at the time of borrowing, except as the Federal Government determines otherwise in writing,
- e. Payment Procedures Based on the Type of Federal Assistance Awarded. The Recipient agrees that:
- (1) All payments in connection with the Award will be made through electronic methods.
 - (2) Payment procedures for a Recipient differ based upon the type of federal assistance that is awarded.
 - (3) FTA determines which electronic system it will use to make payments to the Recipient as follows:
 - (a) For Grants and other types of federal assistance, FTA will use the Electronic Clearinghouse Operation Web System (ECHO-Web), Automated Clearing House (ACH) payment method, except as provided below in sections 7.e(3)(b) and (c) of this Master Agreement,
 - (b) For Cooperative Agreements, FTA will use the DELPHI eInvoicing System or DELPHI Mark View System if the Recipient is granted a waiver (*see* the following section 7.g of this Master Agreement for more information about payments for cooperative agreements and section 7.g of this Master Agreement for information about accessing and using the DELPHI eInvoicing System), and
 - (c) For Grants requiring more detailed review of supporting documentation before receiving federal assistance and as determined by the FTA Manager for the Underlying Agreement, FTA will use the DELPHI eInvoicing System (*see* the following section 7.g of this Master Agreement for more information about accessing and using the DELPHI eInvoicing System).
- f. Payment Procedures Using ECHO. The Recipient agrees that if payment is made through ECHO-Web using an ECHO Control Number, it will comply with the “ECHO Web User Manual For FTA and FAA,” July 2012, and it will withdraw federal assistance only to pay the eligible costs of implementing the Award.

- (1) Major Withdrawals. When a single withdrawal will exceed \$50,000,000, the Recipient agrees to notify the appropriate FTA Regional or Program Office at least three (3) days before the withdrawal is anticipated.
- (2) Immediate Use. The Recipient agrees that it will not withdraw federal assistance until actually needed for immediate payment of those expenses and will use that federal assistance to pay for expenses that implement the Award no later than three (3) days after receipt, except as the Federal Government permits otherwise in writing.
- (3) Limits. The Recipient agrees that it will not withdraw more than the sum of federal assistance the Federal Government has awarded or the current available balance for its Award, the accompanying Underlying Agreement, and any Amendments thereto, whichever is less.
- (4) Control. The Recipient agrees that it will provide for the control and accountability of all federal assistance for its Award, the accompanying Underlying Agreement, and any Amendments thereto.
- (5) Reporting. Unless FTA determines otherwise in writing, the Recipient agrees that it will report its cash payments and balances promptly.
- (6) Penalties. If the Recipient fails to comply with this section of this Master Agreement, it agrees that it may incur or be subjected to penalties, including, but not limited to, the following:
 - (a) Access to ECHO-Web. The Federal Government may revoke or suspend the Recipient's ECHO Control Number and access to the ECHO-Web if the Federal Government determines that:
 - 1 Fraud, waste, mismanagement, or abuse exists in the Recipient's use and application of federal assistance,
 - 2 The Recipient has failed to use federal assistance it withdrew to pay costs incurred that implement the Underlying Agreement within three (3) days of withdrawing that federal assistance,
 - 3 The Recipient has failed to return withdrawn but unspent federal assistance to the Federal Government within a reasonable time,
 - 4 The Recipient has failed to establish procedures to minimize the time between advances of federal assistance and payments of costs incurred that implement the Underlying Agreement,
 - 5 The Recipient has been awarded Federal assistance through a Cooperative Agreement with FTA and will use the eInvoicing or DELPHI Mark View System as its payment method instead of the ECHO-Web System (*see* sections 7.g.) or
 - 6 For Grants requiring a more detailed review of supporting documentation before receiving federal assistance, and as determined by the FTA Manager for the Award, the Recipient will use eInvoicing (*see* section 7.g).
 - (b) Interest. The Recipient agrees to pay interest to the Federal Government on any federal assistance withdrawn prematurely, irrespective of whether the federal assistance has been deposited in an interest-bearing account.
 - 1 A State or State Instrumentality. If the Recipient is a state or state instrumentality, it agrees to pay interest calculated as provided in section 5(b) of the Cash Management Improvement Act of 1990, as amended, 31 U.S.C. § 6503(b), and U.S. Department of Treasury (U.S. Treasury) regulations,

“Rules and Procedures for Efficient Federal-State Funds Transfers,” 31 C.F.R. part 205.

- 2 Other than a State or State Instrumentality. If the Recipient is not a state or state instrumentality, it agrees to pay prejudgment common law interest determined by the Federal Government, as authorized by joint U.S. Treasury and U.S. Department of Justice (joint U.S. Treasury and U.S. DOJ) regulations, “Standards for the Administrative Collection of Claims,” 31 C.F.R. § 901.9(i). The Federal Government may determine the amount of interest due, based on the amount of interest the Recipient demonstrates it earned on its premature withdrawals of federal assistance, the amount of interest based on the “Treasury tax and loan account” rate prescribed under 31 U.S.C. § 3717 for debts owed to the United States, or an amount of interest as the Federal Government otherwise determines.
 - (7) ECHO System. If the Recipient is authorized to receive payments provided through ECHO-Web, FTA does not generally review the drawdown when made; however, FTA may review the drawdown at a later time, and subject that drawdown to an audit under a financial oversight review, a triennial review, or another audit.
- g. Payment Procedures for a Cooperative Agreement. A Recipient of federal assistance through a Cooperative Agreement must use the DELPHI eInvoicing System to obtain federal payments for costs incurred that implement the Underlying Agreement, unless a waiver is granted.
- (1) Standard Procedures. To make and receive payments through the DELPHI eInvoicing System, the following procedures must be followed:
 - (a) Access to the DELPHI eInvoicing System. To access the DELPHI eInvoicing System, the Recipient:
 - 1 Must have internet access to register and submit payment requests through the DELPHI eInvoicing System,
 - 2 Should contact its FTA Manager for the Underlying Agreement to obtain the required DELPHI User access form and approval,
 - 3 Must complete the required forms that the FAA, Enterprise Service Center’s (ESC) Help Desk uses to verify the Recipient’s identity, and present it to a Notary Public for verification,
 - 4 Return that form, completed and notarized, to:
DOT Enterprise Services Center
FAA Accounts Payable, AMZ-100
PO Box 25710
Oklahoma City, OK 73125,
and,
 - 5 Should contact its FTA Manager for the Underlying Agreement with any changes to its system profile information.
 - (b) Payment Requests. The Recipient must submit each payment request electronically through the DELPHI eInvoicing System, unless a waiver is granted; use of the DELPHI eInvoicing System requires the FTA Manager for the Underlying Agreement to review all supporting documentation before authorizing payment.

- (c) Additional Information. The U.S. DOT DELPHI eInvoicing System website (<http://www.dot.gov/cfo/delphi-einvoicing-system.html>) displays additional information, including access forms and training materials a Recipient may need.
 - (d) Federal Responsibilities. When FTA so requests, the Federal Aviation Administration (FAA) will make payments to FTA Recipients electronically. On behalf of FTA, FAA/ESC must process payment requests to a Recipient of federal assistance documented in its Cooperative Agreement with FTA, and will deposit that federal assistance with the Recipient's financial institution (Note: FTA no longer issues paper checks).
- (2) Waiver Requests. On a case-by-case basis, U.S. DOT Financial Management officials may waive the requirement for a Recipient to register and use the DELPHI eInvoicing System.
- (a) The Recipient's Responsibilities. If the Recipient seeks a waiver from the requirement to use the DELPHI eInvoicing System:
 - 1 It must notify U.S. DOT and FTA by downloading the waiver request form, which can be obtained on the U.S. DOT eInvoicing website (<http://www.dot.gov/cfo/delphi-einvoicing-system.html>), and notifying its FTA Manager for the Underlying Agreement that it has requested a waiver from using the DELPHI eInvoicing System,
 - 2 It must send its waiver request to the Director of the Office of Financial Management, U.S. Department of Transportation, Office of the Secretary (OST), Office of Financial Management, B-30, 1200 New Jersey Avenue SE, Washington DC 20590-0001, DOTElectronicInvoicing@dot.gov, and
 - 3 If it obtains a waiver from the use of the DELPHI eInvoicing System, then payment will be made using the DELPHI Mark View System, and the Recipient should submit all invoices and any supporting documentation directly to:
 - a FTAinvoices@faa.gov (Note: no more than 10 MB of data can be transmitted at one time. For invoices greater than 10MB, split into multiple emails and notate in the subject Email 1 of 4; 2 of 4; etc.), or
 - b DOT/FAA (FTA Account)
6500 South MacArthur Blvd.
AMZ-150, HQ Room 272
PO Box 269041
Oklahoma City, OK 73125-69041
 - (b) Federal Responsibilities. FTA and U.S. DOT have the following responsibilities:
 - 1 The Director, OST, Office of Financial Management, will confirm or deny the waiver request within approximately 30 days.
 - 2 If the request is granted, then payments will be made after receipt of the required FTA reporting forms, provided the Recipient has complied with the U.S. DOT Common Rules and this Master Agreement.
 - (c) DELPHI eInvoicing System or DELPHI Mark View System. If the Recipient receives payments provided through the DELPHI eInvoicing System or DELPHI Mark View System, the Recipient must submit a request for payment with adequate supporting documentation for FTA to determine that:
 - 1 It has complied and is complying with the Underlying Agreement,

- 2 It has made and is making adequate progress toward completion of the Award, and
 - 3 It has satisfied FTA that the federal assistance requested is needed for the eligible purposes of the Award in that requisition period.
 - (d) Reimbursement. After it has demonstrated satisfactory compliance with this section, FTA may reimburse the federal share of the Recipient's apparent allowable costs incurred or to be incurred in the requisition period if those apparent allowable costs are consistent with the Award Budget, and those apparent allowable costs do not exceed the maximum amount of federal assistance that may be paid through the federal fiscal year of that requisition.
- h. Safeguarding Federal Assistance. The Recipient agrees to deposit all federal assistance it receives in a financial institution and in an insured account whenever possible, and understands that FTA encourages it to use financial institutions owned at least fifty (50) percent by minority group members.
 - i. The Recipient's Duty to Pay Eligible Costs. When accompanied by appropriate documentation, the Recipient agrees to pay the eligible costs incurred that implement the Award when due, using federal assistance available provided for the Award and the non-federal share.
 - j. Effect of Federal Payments. The Recipient agrees that any federal payment made for a cost incurred that is supported by its Underlying Agreement does not constitute the Federal Government's final decision about the eligibility of the cost for payment with federal assistance provided through the Underlying Agreement, or a waiver of any violation of any federal law, regulation, requirement, or guidance, or the Underlying Agreement or this Master Agreement.
 - k. Revocation of Federal Assistance. The Federal Government may revoke the unexpended portion of federal assistance for the Award after the Award has been made and executed.
 - l. Final Cost Determination. The Recipient acknowledges that the Federal Government will not make a final determination about the eligibility of any cost until the audit of the Award and Underlying Agreement has been completed.
 - m. Closeout. The Recipient agrees that closeout of the Award will not alter:
 - (1) The Recipient's obligation to return any amounts it owes the Federal Government for later refunds, corrections, or other similar actions, and
 - (2) The Federal Government's right to disallow costs and recover federal assistance based on a later audit or other review.
 - n. Notification. If the Federal Government determines that the Recipient is not entitled to any portion of federal assistance paid, the Federal Government will notify the Recipient in writing.

- o. Recovery of Improper Payments. Unless prohibited by federal law or regulation, the Federal Government may recover any federal assistance necessary to satisfy any outstanding monetary claims it may have against the Recipient.

- p. Program Income. The Recipient agrees that it may use its program income derived from a Project receiving federal assistance through the Underlying Agreement as FTA permits. In determining the total amount of program income a Recipient has earned from its Project, those costs incident to earning program income that have not been charged to the Award may be deducted from the Recipient's gross income.
 - (1) During the Period of Performance. The Recipient may use program income earned during the period of performance of the Underlying Agreement as follows:
 - (a) The Recipient may retain the income for other capital or operating public transportation expenses. If the Recipient chooses not to use program income for current or future FTA Grants or Cooperative Agreements or for other purposes ineligible for federal participation, then the amount of program income used for purposes ineligible for federal participation will be deducted from the total allowable costs to determine the net allowable costs.
 - (b) For each Public Transportation Innovation, Technical Assistance or Workforce Development Project or related activities, the Recipient may add to the Award.
 - (c) The Recipient may use the program income for the non-federal share for a future public transportation Project that will receive federal assistance provided by FTA.
 - (2) After the Award Period. Except as otherwise determined in writing, the Recipient has no obligation to the Federal Government regarding the disposition of program income earned after the end of the period of performance of the Award (*i.e.*, after the ending date of the final Federal Financial Report).

- q. Profits. The Recipient and Subrecipient may earn or keep the profits it may derive as a result of an Award, but the Recipient agrees that any such profits must be used in a manner consistent with the provisions of this Master Agreement or applicable federal guidance.

- r. Excess Payments, Disallowed Costs, Refunds, Claims, Debts, Interest, Penalties, Administrative Charges, and Other Amounts Owed to the Federal Government.
 - (1) The Recipient's Responsibility to Pay. The Recipient agrees that after receiving notice of specific amounts due, it will pay the amount it owes the Federal Government for:
 - (a) Excess federal payments for disallowed costs,
 - (b) Refunds due and amounts recovered from third parties or other sources,
 - (c) Federal claims or debts,
 - (d) Interest assessed,
 - (e) Penalties,
 - (f) Administrative charges, or
 - (g) Other amounts it owes the Federal Government.
 - (2) Amount of Interest Due. The amount of interest to be assessed depends on the procedures used to pursue payment:
 - (a) The Debt Collection Act. When the Federal Government uses the procedures of the Debt Collection Act of 1982, as amended, 31 U.S.C. § 3701 *et seq.*, to collect claims or debts owed by the Recipient for any reason authorized under that Act

- (including excess payments and disallowed costs), the Recipient agrees that the amount of interest it will owe will be determined by the Joint U.S. Treasury and U.S. DOJ regulations, "Standards for the Administrative Collection of Claims," 31 C.F.R. part 900, specifically 31 C.F.R. § 901.9(a) – (g), or common law interest authorized by 31 C.F.R. § 901.9(i), as the Federal Government determines.
- (b) Other Collection Processes. When the Federal Government uses methods or procedures other than those described in 31 U.S.C. § 3701 *et seq.* to recover money(ies) the Recipient owes the Federal Government, the Recipient agrees that common law interest will be due as authorized by Joint U.S. Treasury and U.S. DOJ regulations, "Standards for the Administrative Collection of Claims," 31 C.F.R. § 901.9(i), but interest for premature withdrawals of federal assistance by states or state instrumentalities will be calculated as required under Section 5(b) of the Cash Management Improvement Act of 1990, as amended, 31 U.S.C. § 6503(b), and U.S. Treasury regulations, "Rules and Procedures for Efficient Federal-State Funds Transfers," 31 C.F.R. part 205.
- s. De-obligation of Federal Assistance. The Recipient agrees that the Federal Government may de-obligate federal assistance the Recipient has not spent both before and after closeout of the Award.

Section 8. Records and Reports Related to the Award and the Underlying Agreement.

- a. Records. The Recipient agrees to maintain satisfactory records of each Project and activities related in whole or in part to its Award, the accompanying Underlying Agreement, and any Amendments thereto to the extent FTA requires, including, but not limited to:
- (1) Financial Records. Accurate financial records in its account for its Award, the accompanying Underlying Agreement, and any Amendments thereto, including, but not limited to, records of:
- (a) Assets Received that Implement the Award. The amount of all assets it receives to implement its Award, the accompanying Underlying Agreement, and any Amendments thereto including, but not limited to all federal assistance or the value of any property the Federal Government provides that implement its Award, the accompanying Underlying Agreement, and any Amendments thereto, and all other funds and the value of any property or services it has received from sources other than the Federal Government provided for, accruing to, or otherwise received on account of its Award, the accompanying Underlying Agreement, and any Amendments thereto.
- (b) Costs Incurred that Implement the Award. Information about the costs incurred to implement its Award, the accompanying Underlying Agreement, and any Amendments thereto, including all costs incurred for the eligible property or services, detailed descriptions of the type of property or services acquired, including, but not limited, to properly executed payrolls, time records, invoices, contracts, vouchers, and other appropriate records, and detailed justifications for those costs.

- (c) Program Income. All program income derived from the use of Project property, except income FTA determines to be exempt from federal program income record requirements.
 - (2) Other Records Needed for Reports Related to the Award. Sufficient records as needed to prepare adequate reports related to the Award that it must submit to the Federal Government.
 - (3) Formats. Formats for records must be satisfactory to FTA and include, but are not limited to, electronic records, including any e-mails related to the Award, records on paper, and records created in other formats.
 - (4) Availability of Records Related to the Award. Accessibility for review and separation from other records not related to the Award to the extent feasible must be maintained.
- b. Reports. The Recipient agrees to provide to FTA, and others if FTA so directs, all reports related in whole or in part required by applicable federal laws, regulations, requirements, the Underlying Agreement, or at FTA's express direction in the number and format as FTA specifies.
- c. National Transit Database. For each fiscal year the Recipient receives or provides to any public transportation operator federal assistance appropriated or made available for 49 U.S.C. § 5307 or any provision of 49 U.S.C. § 5311 (including the Tribal Transit Program):
- (1) Reporting Requirements. The Recipient agrees to and assures that it will require the public transportation operators participating in its Award, the accompanying Underlying Agreement, and any Amendments thereto:
 - (a) To facilitate compliance with 49 U.S.C. § 5335(a), which authorizes the National Transit Database (NTD),
 - (b) To conform to the NTD reporting system and the Uniform System of Accounts and Records,
 - (c) To comply with FTA regulations, "Uniform System of Accounts and Records and Reporting System," 49 C.F.R. part 630,
 - (d) To report information relating to, and the condition of, its public transportation assets, as provided in FTA regulations, "Transit Asset Management; National Transit Database," 49 C.F.R. parts 625 and 630,
 - (e) To comply with any other applicable reporting regulations, and requirements, and
 - (f) To follow FTA guidance.
 - (2) Voluntary Compliance. FTA encourages any Recipient that is not required to provide information for the NTD, to provide that information voluntarily.
- d. U.S. OMB Special Reporting Requirements.
- (1) Authority. U.S. OMB has issued regulatory guidance in 2 C.F.R. § 25.220 instructing federal agencies to include special "award terms" as authorized under federal laws, including:
 - (a) The Federal Funding Accountability and Transparency Act of 2006 (FFATA), Public Law No. 109-282, September 26, 2006,
 - (b) Section 6202 of the Department of Defense Appropriations Act for Fiscal Year 2008, Public Law No. 110-252, June 30, 2008, which amended the FFATA, and

- (c) Section 872 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009, Public Law No. 110-417, October 14, 2008, which further amended the FFATA.
- (2) Universal Identifier and System for Award Management (SAM). The Recipient agrees to comply with the award terms in U.S. OMB regulatory guidance, "Universal Identifier and System for Award Management (SAM)," 2 C.F.R. part 25, appendix A, which FTA has included in this Master Agreement at the direction of U.S. OMB:
- (a) Requirements for the System for Award Management (SAM). Unless exempted from SAM as provided in 2 C.F.R. § 25.110, the Recipient agrees to:
- 1 Maintain the currency of its information in SAM until the later of the date it submits its final financial report required under this Master Agreement, or date it receives its final federal payment for the Underlying Agreement, and
 - 2 Review and update its information in SAM at least annually after the initial registration, and more frequently if required by changes in its information, another provision of an applicable federal or federally assisted agreement, or an applicable federal law or regulation, or U.S. OMB regulatory guidance.
- (b) Requirement for a Unique Entity Identifier [Currently, the Data Universal Numbering System (DUNS) Number for SAM]. If the Award includes federal assistance intended to support subawards, the Recipient agrees to notify each potential Subrecipient and other entity participating in the Award that:
- 1 The potential Subrecipient or entity must provide its unique entity identifier for SAM [*currently, its DUNS number*] to the Recipient,
 - 2 The Recipient may not make any subaward to any potential Subrecipient or entity unless that Subrecipient or entity has provided its unique entity identifier for SAM [*currently, its DUNS number*] to the Recipient, and
 - 3 No Subrecipient or entity, as defined below in section 8.d(4) of this Master Agreement, may receive a subaward provided through the Underlying Agreement, unless that entity has provided its unique entity identifier for SAM [*currently, its DUNS number*] to the Recipient.
- (3) Reporting Subawards and Executive Compensation. The Recipient agrees to comply with the award terms in U.S. OMB regulatory guidance, "Reporting Subaward and Executive Compensation Information," 2 C.F.R. part 170, appendix A, which FTA has included in this Master Agreement at the direction of U.S. OMB:
- (4) Reporting of First-Tier Subawards. The Recipient agrees that when it takes an action that obligates \$25,000 or more in federal assistance for a subaward it must report each such action as provided below, but it need not report an obligation of \$25,000 or more in federal assistance, if the Recipient is exempt from U.S. OMB's Special Reporting Requirements as provided below.
- (a) Where and when to report. The Recipient agrees to report each obligating action described below to <http://www.fsrs.gov>, and the Recipient agrees to report subaward information no later than the end of the month after the month in which the obligation was made, (*for example, if the obligation was made on October 1, 2015, the obligation must be reported by no later than November 1, 2015*).
- (b) What to report. The Recipient agrees to report the requisite information about each obligating action required by the submission instructions posted at <http://www.usaspending.gov>.

- (c) Reporting Total Compensation of the Recipient's Executives. The Recipient agrees to report the total compensation for each of its five highest compensated executives for the preceding completed fiscal year if:
- 1 The total federal assistance authorized to date for the Underlying Agreement is \$25,000 or more, and
 - 2 In its preceding fiscal year, the Recipient:
 - a Received 80 percent or more of its annual gross revenues from federal assistance subject to the Transparency Act, as defined in 2 C.F.R. § 170.320 (and subawards) and/or federal procurement contracts (and subcontracts),
 - b Received \$25,000,000 or more in annual gross revenues from federal assistance subject to the Transparency Act, as defined in 2 C.F.R. § 170.320 (and subawards) and/or federal procurement contracts (and subcontracts), and
 - c The public does not have access to information about the compensation of the Recipient's executives through periodic reports filed under Section 13(a) of the Securities Exchange Act of 1934, 15 U.S.C. § 78m(a), Section 15(d) of the Securities Exchange Act of 1934, 15 U.S.C. § 78o(d), or Section 6104 of the Internal Revenue Code of 1986, 26 U.S.C. § 6104 (to determine if the public has access to the compensation information, see the U.S. Securities and Exchange Commission total compensation filings at <http://www.sec.gov/answers/execomp.htm>).
 - 3 The Recipient agrees to report executive total compensation described above as part of Recipient's registration profile at <http://www.sam.gov>, and by the end of the month after the month in which the Underlying Agreement is executed and annually thereafter.
 - 4 Reporting of Total Compensation of the Subrecipient's Executives. Unless exempt as provided below, the Recipient agrees to report the names and total compensation of each of its first-tier Subrecipient's five highest compensated executives for the Subrecipient's preceding completed fiscal year if:
 - a Received 80 percent or more of its annual gross revenues from federal assistance subject to the Transparency Act, as defined in 2 C.F.R. § 170.320 (and subawards) and/or federal procurement contracts (and subcontracts), and
 - b Received \$25,000,000 or more in annual gross revenues from federal assistance subject to the Transparency Act as defined in 2 C.F.R. § 170.320 (and subawards) and/or federal procurement contracts (and subcontracts),
 - c The public does not have access to information about the compensation of the Subrecipient's executives through periodic reports filed under Section 13(a) of the Securities Exchange Act of 1934, 15 U.S.C. § 78m(a), Section 15(d) of the Securities Exchange Act of 1934, 15 U.S.C. § 78o(d), or Section 6104 of the Internal Revenue Code of 1986, 26 U.S.C. § 6104 (to determine if the public has access to the compensation information, see the U.S. Securities and Exchange Commission total compensation filings at <http://www.sec.gov/answers/execino.htm>).

- 5 The Recipient agrees to report the Subrecipient's executives' total compensation described above to FTA and elsewhere as may be determined by the Federal Government, and by the end of the month following the month during which the Recipient makes the subaward (*for example, if a subaward is obligated on any date during the month of October of a given year, i.e., between October 1 and 31, the Recipient must report any required compensation information about the Subrecipient by November 30 of that year*).
 - 6 Any Recipient that had gross income under \$300,000 from all sources in the previous tax year is exempt from those federal requirements to report subawards, and the total compensation of the five highest compensated executives of any Subrecipient.
- (5) Other Prospective U.S. OMB Reporting Guidance. U.S. OMB proposed regulatory guidance, "Recipient Integrity and Performance Matters," to be published in 2 C.F.R. part 35, contains a mandatory "award term" that would affect the Recipient's reporting requirements (*for more information, see 17 C.F.R. § 229.402(c)(2)*).
- e. Closeout. The Recipient agrees that closeout of its Award does not alter the record-keeping and reporting requirements of this section of this Master Agreement.

Section 9. Record Retention and Access to Sites of Performance.

- a. Types of Records. The Recipient agrees that it will retain, and will require its Third Party Participants to retain, complete and readily accessible records related in whole or in part to the Underlying Agreement, including, but not limited to, data, documents, reports, statistics, subagreements, leases, third party contracts, arrangements, other third party agreements of any type, and supporting materials related to those records.
- b. Retention Period. The Recipient agrees that it will comply with the record retention requirements in the applicable U.S. DOT Common Rule. Records pertaining to its Award, the accompanying Underlying Agreement, and any Amendments thereto must be retained from the day the Underlying Agreement was signed by the authorized FTA official through the course of the Award, the accompanying Underlying Agreement, and any Amendments thereto until three years after the Recipient has submitted its last or final expenditure report, and other pending matters are closed.
- c. Access to Recipient and Third Party Participant Records. The Recipient agrees and assures that each Subrecipient, if any, will agree to:
 - (1) Provide, and require its Third Party Participants at each tier to provide, sufficient access to inspect and audit records and information related to its Award, the accompanying Underlying Agreement, and any Amendments thereto to the U.S. Secretary of Transportation or the Secretary's duly authorized representatives, to the Comptroller General of the United States, and the Comptroller General's duly authorized representatives, and to the Recipient and each of its Subrecipients,
 - (2) Permit those individuals listed above to inspect all work and materials related to its Award, and to audit any information related to its Award under the control of the

- Recipient or Third Party Participant within books, records, accounts, or other locations, and
- (3) Otherwise comply with 49 U.S.C. § 5325(g), and federal access to records requirements as set forth in the applicable U.S. DOT Common Rules.
- d. Access to the Sites of Performance. The Recipient agrees to permit, and to require its Third Party Participants to permit, FTA to have access to the sites of performance of its Award, the accompanying Underlying Agreement, and any Amendments thereto, and to make site visits as needed in compliance with the U.S. DOT Common Rules.
- e. Closeout. Closeout of the Award does not alter the record retention or access requirements of this section of this Master Agreement.

Section 10. Completion, Audit, Settlement, and Closeout.

- a. Completion. Within ninety (90) calendar days after completion or termination of the Award, the Recipient agrees to submit:
- (1) Its final Federal Financial Report, either electronically or on Federal Financial Report Standard Form 425 (SF-425),
 - (2) A certification of expenses incurred that implement its Award, the accompanying Underlying Agreement, and any Amendments thereto, and
 - (3) The necessary audit reports of its Award, the accompanying Underlying Agreement, and any Amendments thereto.
- b. Audit of the Recipient. Except as the Federal Government determines otherwise in writing, the Recipient agrees that:
- (1) Audits Required. It must obtain the following audits:
 - (a) Annual "Single Audit." A financial and compliance audit consistent with the requirements of the Single Audit Act Amendments of 1996, 31 U.S.C. § 7501 *et seq.*, and applicable U.S. DOT "Single Audit" requirements of 2 C.F.R. part 1201, which incorporate by reference 2 C.F.R. part 200, for each Award, the accompanying Underlying Agreement, and any Amendments to any Underlying Agreement, and
 - (b) Other Audits. Other audits the Federal Government may require.
 - (2) Auditing Standards. It must comply with the "Audit Requirements" of 2 C.F.R. part 200, subpart F, and conform to U.S. Government Accountability Office (U.S. GAO) "Government Auditing Standards" in the conduct of audits of its Award, the accompanying Underlying Agreement, and any Amendments thereto.
 - (3) Costs of Audits. The audit costs for the administration and management of the Award, the accompanying Underlying Agreement, and any Amendments to any Underlying Agreement are allowable to the extent authorized by the cost principles of 49 C.F.R. part 1201, which incorporate by reference 2 C.F.R. part 200.
- c. Amounts Owed to the Federal Government. The Recipient agrees to return to the Federal Government any excess federal payments it receives for disallowed costs, and the Federal Government's proportionate part of any amounts it recovers from third parties or other

sources, including refunds due and amounts recovered from third parties or other sources, interest assessed, penalties, and administrative charges.

- d. Closeout. The Recipient agrees that closeout of the Award occurs when FTA notifies the Recipient that the Award is closed, and approves the final federal payment, or acknowledges receipt of the proper refund. Closeout of the Award does not alter the Recipient's audit responsibilities and does not invalidate any continuing requirements of applicable federal law, regulations, or requirements, this Master Agreement or the Underlying Agreement.

Section 11. Right of the Federal Government to Terminate.

- a. Justification. After providing written notice to the Recipient, the Recipient agrees that the Federal Government may suspend, suspend then terminate, or terminate all or any part of the federal assistance for the Award if:
 - (1) The Recipient has failed to make reasonable progress implementing the Award,
 - (2) The Federal Government determines that continuing to provide federal assistance to support the Award does not adequately serve the purposes of the law authorizing the Award, or
 - (3) The Recipient has violated the terms of the Underlying Agreement, especially if that violation would endanger substantial performance of the Underlying Agreement.
- b. Financial Implications. In general, termination of federal assistance for the Award will not invalidate obligations properly incurred before the termination date to the extent that the obligations cannot be canceled. The Federal Government may recover the federal assistance it has provided for the Award, including the federal assistance for obligations properly incurred before the termination date if it determines that the Recipient has misused its federal assistance by failing to make adequate progress, failing to make appropriate use of the Project property, or failing to comply with the Underlying Agreement, and require the Recipient to refund the entire amount or a lesser amount, as the Federal Government may determine including obligations properly incurred before the termination date.
- c. Expiration of the Period of Performance. Except for a Full Funding Grant Agreement, expiration of any period of performance established for the Award does not, by itself, constitute an expiration or termination of the Award; FTA may extend the period of performance to assure that each Formula Project or related activities and each Project or related activities funded with "no year" funds can receive FTA assistance to the extent FTA deems appropriate.

Section 12. Civil Rights.

- a. Civil Rights Requirements. The Recipient agrees that it must comply with applicable federal civil rights laws, regulations, and requirements, and follow applicable federal guidance, except as the Federal Government determines otherwise in writing. Therefore, unless a Recipient or a federal program, including the Tribal Transit Program or the Indian Tribe Recipient, is specifically exempted from a civil rights statute, FTA requires compliance with that civil rights statute, including compliance with equity in service.

- b. Nondiscrimination in Federal Public Transportation Programs. The Recipient agrees to, and assures that it and each Third Party Participant, will:
- (1) Prohibit discrimination on the basis of race, color, religion, national origin, sex (including gender identity), disability, or age.
 - (2) Prohibit the:
 - (a) Exclusion from participation in employment or a business opportunity for reasons identified in 49 U.S.C. § 5332,
 - (b) Denial of program benefits in employment or a business opportunity identified in 49 U.S.C. § 5332, or
 - (c) Discrimination identified in 49 U.S.C. § 5332, including discrimination in employment or a business opportunity identified in.
 - (3) Follow:
 - (a) The most recent edition of FTA Circular 4702.1, “Title VI Requirements and Guidelines for Federal Transit Administration Recipients,” to the extent consistent with applicable federal laws, regulations, requirements, and guidance, and other applicable federal guidance that may be issued, but
 - (b) FTA does not require an Indian Tribe to comply with FTA program-specific guidelines for Title VI when administering its Underlying Agreement supported with federal assistance under the Tribal Transit Program.
- c. Nondiscrimination – Title VI of the Civil Rights Act. The Recipient agrees to, and assures that each Third Party Participant, will:
- (1) Prohibit discrimination on the basis of race, color, or national origin,
 - (2) Comply with:
 - (a) Title VI of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000d *et seq.*,
 - (b) U.S. DOT regulations, “Nondiscrimination in Federally-Assisted Programs of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964,” 49 C.F.R. part 21, and
 - (c) Federal transit law, specifically 49 U.S.C. § 5332, and
 - (3) Follow:
 - (a) The most recent edition of FTA Circular 4702.1, “Title VI Requirements and Guidelines for Federal Transit Administration Recipients,” to the extent consistent with applicable federal laws, regulations, requirements, and guidance,
 - (b) U.S. DOJ, “Guidelines for the enforcement of Title VI, Civil Rights Act of 1964,” 28 C.F.R. § 50.3, and
 - (c) All other applicable federal guidance that may be issued.
- d. Equal Employment Opportunity.
- (1) Federal Requirements and Guidance. The Recipient agrees to, and assures that each Third Party Participant will, prohibit, discrimination on the basis of race, color, religion, sex, sexual orientation, gender identity, or national origin, and:
 - (a) Comply with Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000e *et seq.*,
 - (b) Facilitate compliance with Executive Order No. 11246, “Equal Employment Opportunity” September 24, 1965, 42 U.S.C. § 2000e note, as amended by any

- later Executive Order that amends or supersedes it in part and is applicable to federal assistance programs,
- (c) Comply with federal transit law, specifically 49 U.S.C. § 5332, as provided in section 12 of this Master Agreement,
 - (d) FTA Circular 4704.1 “Equal Employment Opportunity (EEO) Requirements and Guidelines for Federal Transit Administration Recipients,” and
 - (e) Follow other federal guidance pertaining to EEO laws, regulations, and requirements, and prohibitions against discrimination on the basis of disability,
- (2) Specifics. The Recipient agrees to, and assures that each Third Party Participant will:
- (a) Prohibited Discrimination. Ensure that applicants for employment are employed and employees are treated during employment without discrimination on the basis of their race, color, religion, national origin, disability, age, sexual orientation, gender identity, or status as a parent, as provided in Executive Order No. 11246 and by any later Executive Order that amends or supersedes it, and as specified by U.S. Department of Labor regulations,
 - (b) Affirmative Action. Take affirmative action that includes, but is not limited to:
 - 1 Recruitment advertising, recruitment, and employment,
 - 2 Rates of pay and other forms of compensation,
 - 3 Selection for training, including apprenticeship, and upgrading, and
 - 4 Transfers, demotions, layoffs, and terminations, but
 - (c) Indian Tribe. Recognize that Title VII of the Civil Rights Act of 1964, as amended, exempts Indian Tribes under the definition of “Employer,” and
- (3) Equal Employment Opportunity Requirements for Construction Activities. Comply, when undertaking “construction” as recognized by the U.S. Department of Labor (U.S. DOL), with:
- (a) U.S. DOL regulations, “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor,” 41 C.F.R. chapter 60, and
 - (b) Executive Order No. 11246, “Equal Employment Opportunity in Federal Employment,” September 24, 1965, 42 U.S.C. § 2000e note, as amended by any later Executive Order that amends or supersedes it, referenced in 42 U.S.C. § 2000e note.
- e. Disadvantaged Business Enterprise. To the extent authorized by applicable federal laws, regulations, or requirements, the Recipient agrees to facilitate, and assures that each Third Party Participant will facilitate, participation by small business concerns owned and controlled by socially and economically disadvantaged individuals, also referred to as “Disadvantaged Business Enterprises” (DBEs), in the Underlying Agreement as follows:
- (1) Statutory and Regulatory Requirements. The Recipient agrees to comply with:
 - (a) Section 1101(b) of the FAST Act, 23 U.S.C. § 101 note,
 - (b) U.S. DOT regulations, “Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs,” 49 C.F.R. part 26, and
 - (c) Federal transit law, specifically 49 U.S.C. § 5332, as provided in section 12 of this Master Agreement.
 - (2) DBE Program Requirements. A Recipient that receives planning, capital and/or operating assistance and that will award prime third party contracts exceeding \$250,000

- in a federal fiscal year must have a DBE program that is approved by FTA and meets the requirements of 49 C.F.R. part 26.
- (3) Special Requirements for a Transit Vehicle Manufacturer (TVM). The Recipient agrees that:
- (a) TVM Certification. Each TVM, as a condition of being authorized to bid or propose on FTA-assisted transit vehicle procurements, must certify that it has complied with the requirements of 49 C.F.R. part 26, and
 - (b) Reporting TVM Awards. Within 30 days of any third party contract award for a vehicle purchase, the Recipient must submit to FTA the name of the TVM contractor and the total dollar value of the third party contract, and notify FTA that this information has been attached to FTA's electronic award management system. The Recipient must also submit additional notifications if options are exercised in subsequent years to ensure that the TVM is still in good standing.
- (4) Assurance. As required by 49 C.F.R. § 26.13(a):
- (a) Recipient Assurance. The Recipient agrees and assures that:
 - 1 It must not discriminate on the basis of race, color, national origin, or sex in the award and performance of any FTA or U.S. DOT-assisted contract, or in the administration of its DBE program or the requirements of 49 C.F.R. part 26,
 - 2 It must take all necessary and reasonable steps under 49 C.F.R. part 26 to ensure nondiscrimination in the award and administration of U.S. DOT-assisted contracts,
 - 3 Its DBE program, as required under 49 C.F.R. part 26 and as approved by U.S. DOT, is incorporated by reference and made part of the Underlying Agreement, and
 - 4 Implementation of its DBE program approved by U.S. DOT is a legal obligation and failure to carry out its terms shall be treated as a violation of this Master Agreement.
 - (b) Subrecipient/Third Party Contractor/Third Party Subcontractor Assurance. The Recipient agrees and assures that it will include the following assurance in each subagreement and third party contract it signs with a Subrecipient or Third Party Contractor and agrees to obtain the agreement of each of its Subrecipients, Third Party Contractors, and Third Party Subcontractors to include the following assurance in every subagreement and third party contract it signs:
 - 1 The Subrecipient, each Third Party Contractor, and each Third Party Subcontractor must not discriminate on the basis of race, color, national origin, or sex in the award and performance of any FTA or U.S. DOT-assisted subagreement, third party contract, and third party subcontract, as applicable, and the administration of its DBE program or the requirements of 49 C.F.R. part 26,
 - 2 The Subrecipient, each Third Party Contractor, and each Third Party Subcontractor must take all necessary and reasonable steps under 49 C.F.R. part 26 to ensure nondiscrimination in the award and administration of U.S. DOT-assisted subagreements, third party contracts, and third party subcontracts, as applicable,

- 3 Failure by the Subrecipient and any of its Third Party Contractors or Third Party Subcontractors to carry out the requirements of this subparagraph 12.e(4)(b) is a material breach of this subagreement, third party contract, or third party subcontract, as applicable, and
 - 4 The following remedies, or such other remedy as the Recipient deems appropriate, include, but are not limited to, withholding monthly progress payments; assessing sanctions; liquidated damages; and/or disqualifying the Subrecipient, Third Party Contractor, or Third Party Subcontractor from future bidding as non-responsible.
- (5) Remedies. Upon notification to the Recipient of its failure to carry out its approved program, FTA or U.S. DOT may impose sanctions as provided for under 49 C.F.R. part 26, and, in appropriate cases, refer the matter for enforcement under either or both 18 U.S.C. § 1001, and/or the Program Fraud Civil Remedies Act of 1986, 31 U.S.C. § 3801 *et seq.*
- f. Nondiscrimination on the Basis of Sex. The Recipient agrees to comply with federal prohibitions against discrimination on the basis of sex, including:
- (1) Title IX of the Education Amendments of 1972, as amended, 20 U.S.C. § 1681 *et seq.*,
 - (2) U.S. DOT regulations, "Nondiscrimination on the Basis of Sex in Education Programs or Activities Receiving Federal Financial Assistance," 49 C.F.R. part 25, and
 - (3) Federal transit law, specifically 49 U.S.C. § 5332.
- g. Nondiscrimination on the Basis of Age. The Recipient agrees to comply with federal prohibitions against discrimination on the basis of age, including:
- (1) The Age Discrimination in Employment Act, 29 U.S.C. §§ 621 – 634, which prohibits discrimination on the basis of age,
 - (2) U.S. Equal Employment Opportunity Commission (U.S. EEOC) regulations, "Age Discrimination in Employment Act," 29 C.F.R. part 1625,
 - (3) The Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6101 *et seq.*, which prohibits discrimination against individuals on the basis of age in the administration of Programs, Projects, and related activities receiving federal assistance,
 - (4) U.S. Health and Human Services regulations, "Nondiscrimination on the Basis of Age in Programs or Activities Receiving Federal Financial Assistance," 45 C.F.R. part 90, and
 - (5) Federal transit law, specifically 49 U.S.C. § 5332.
- h. Nondiscrimination on the Basis of Disability. The Recipient agrees to comply with the following federal prohibitions against discrimination on the basis of disability:
- (1) Federal laws, including:
 - (a) Section 504 of the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 794, which prohibits discrimination on the basis of disability in the administration of federally assisted Programs, Projects, or activities,
 - (b) The Americans with Disabilities Act of 1990 (ADA), as amended, 42 U.S.C. § 12101 *et seq.*, which requires that accessible facilities and services be made available to individuals with disabilities:
 - 1 For FTA Recipients generally, Titles I, II, and III of the ADA apply, but

- 2 For Indian Tribes, Titles II and III of the ADA apply, but Title I of the ADA does not apply because it exempts Indian Tribes from the definition of “employer,”
 - (c) The Architectural Barriers Act of 1968, as amended, 42 U.S.C. § 4151 *et seq.*, which requires that buildings and public accommodations be accessible to individuals with disabilities,
 - (d) Federal transit law, specifically 49 U.S.C. § 5332, which now includes disability as a prohibited basis for discrimination, and
 - (e) Other applicable federal laws, regulations, and requirements pertaining to access for seniors or individuals with disabilities.
- (2) Federal regulations and guidance, including:
- (a) U.S. DOT regulations, “Transportation Services for Individuals with Disabilities (ADA),” 49 C.F.R. part 37,
 - (b) U.S. DOT regulations, “Nondiscrimination on the Basis of Disability in Programs and Activities Receiving or Benefiting from Federal Financial Assistance,” 49 C.F.R. part 27,
 - (c) Joint U.S. Architectural and Transportation Barriers Compliance Board (U.S. ATBCB) and U.S. DOT regulations, “Americans With Disabilities (ADA) Accessibility Specifications for Transportation Vehicles,” 36 C.F.R. part 1192 and 49 C.F.R. part 38,
 - (d) U.S. DOT regulations, “Transportation for Individuals with Disabilities: Passenger Vessels,” 49 C.F.R. part 39,
 - (e) U.S. DOJ regulations, “Nondiscrimination on the Basis of Disability in State and Local Government Services,” 28 C.F.R. part 35,
 - (f) U.S. DOJ regulations, “Nondiscrimination on the Basis of Disability by Public Accommodations and in Commercial Facilities,” 28 C.F.R. part 36,
 - (g) U.S. EEOC, “Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act,” 29 C.F.R. part 1630,
 - (h) U.S. Federal Communications Commission regulations, “Telecommunications Relay Services and Related Customer Premises Equipment for Persons with Disabilities,” 47 C.F.R. part 64, Subpart F,
 - (i) U.S. ATBCB regulations, “Electronic and Information Technology Accessibility Standards,” 36 C.F.R. part 1194,
 - (j) FTA regulations, “Transportation for Elderly and Handicapped Persons,” 49 C.F.R. part 609,
 - (k) FTA Circular 4710.1, “Americans with Disabilities Act: Guidance,” and
 - (l) Other applicable federal civil rights and nondiscrimination regulations and guidance.
- i. Drug or Alcohol Abuse – Confidentiality and Other Civil Rights Protections. The Recipient agrees to comply with the confidentiality and civil rights protections of:
- (1) The Drug Abuse Office and Treatment Act of 1972, as amended, 21 U.S.C. § 1101 *et seq.*,
 - (2) The Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970, as amended, 42 U.S.C. § 4541 *et seq.*, and
 - (3) The Public Health Service Act, as amended, 42 U.S.C. §§ 290dd – 290dd-2.

- j. Access to Services for Persons with Limited English Proficiency. The Recipient agrees to promote accessibility of public transportation services to persons with limited understanding of English by following:
 - (1) Executive Order No. 13166, "Improving Access to Services for Persons with Limited English Proficiency," August 11, 2000, 42 U.S.C. § 2000d-1 note, and
 - (2) U.S. DOT Notice, "DOT Policy Guidance Concerning Recipients' Responsibilities to Limited English Proficiency (LEP) Persons," 70 *Fed. Reg.* 74087, December 14, 2005.
- k. Other Nondiscrimination Laws, Regulations, Requirements, and Guidance. The Recipient agrees to comply with other applicable federal nondiscrimination laws, regulations, and requirements, and follow federal guidance prohibiting discrimination.
- l. Remedies. Remedies for failure to comply with applicable federal Civil Rights laws, regulations, requirements, and guidance may be enforced as provided in those federal laws, regulations, or requirements.

Section 13. Planning.

- a. Standard Planning Provisions. The Recipient agrees to the following:
 - (1) Planning Requirements and Guidance. To assure that its Underlying Agreement is consistent with the Planning requirements that apply, the Recipient agrees to:
 - (a) Comply with the Metropolitan planning requirements of 49 U.S.C. § 5303, and joint FHWA and FTA regulations, "Planning and Assistance Standards" (for Metropolitan Transportation Planning and Programming), 23 C.F.R. part 450 and 49 C.F.R. part 613, to the extent those regulations are consistent with the metropolitan planning requirements of 49 U.S.C. § 5303,
 - (b) Comply with the statewide and nonmetropolitan planning requirements of 49 U.S.C. § 5304, and joint FHWA and FTA regulations, "Planning and Assistance Standards" (for statewide transportation planning and programming), 23 C.F.R. part 450 and 49 C.F.R. part 613, to the extent those regulations are consistent with the state planning requirements of 49 U.S.C. § 5304, and
 - (c) Follow any guidance FTA issues to implement requirements of 49 U.S.C. §§ 5303 and 5304.
 - (2) Participation of State or Local Governmental and Private Nonprofit Providers of Nonemergency Transportation. The Recipient agrees to comply with 49 U.S.C. § 5323(k) by assuring that it will, as feasible:
 - (a) Provide the opportunity to participate and coordinate with the Recipient in the design and the delivery of federally assisted transportation services, and be included in planning for the Recipient's federally assisted transportation services, and
 - (b) Make that opportunity available to federally-assisted state or local governmental agencies and nonprofit organizations that receive federal assistance for nonemergency transportation, but do not receive federal assistance for nonemergency transportation from U.S. DOT.

- b. Tribal Transit Program Planning Provisions. The Indian Tribe agrees that:
- (1) Planning Requirements. The federal assistance it receives for its Tribal Transit Program will be consistent with its documents, including any formal plan provided to FTA in support of the development and basis of its Award of federal assistance under the Tribal Transit Program, and are or will be coordinated with transportation service funded by other federal sources to the maximum extent feasible.
 - (2) Participation of State or Local Governmental and Private Nonprofit Providers of Nonemergency Transportation. The Recipient agrees to comply with 49 U.S.C. § 5323(k) by assuring that it will, as feasible:
 - (a) Provide the opportunity to participate and coordinate with the Recipient in the design and the delivery of federally assisted transportation services, and be included in planning for the Recipient's federally assisted transportation services, and
 - (b) Make that opportunity available to federally-assisted state or local governmental agencies and nonprofit organizations that receive federal assistance for nonemergency transportation, but do not receive federal assistance for nonemergency transportation from U.S. DOT.

Section 14. Private Enterprise.

- a. Protections. The Recipient agrees to protect the interests of private enterprise affected by federal public transportation programs by:
- (1) Encouraging private enterprise to participate in the planning of public transportation and programs that provide public transportation, to the extent permitted under 49 U.S.C. § 5306, and
 - (2) Providing just compensation for the Project property it acquires, including the franchises of private providers of public transportation, as required under 49 U.S.C. § 5323(a)(1)(C).
- b. Infrastructure Investment. The Recipient agrees to follow the infrastructure investment recommendations of:
- (1) Executive Order No. 12803, "Infrastructure Privatization," April 30, 1992, 31 U.S.C. § 501 note, and
 - (2) Executive Order No. 12893, "Principles for Federal Infrastructure Investments," January 26, 1994, 31 U.S.C. § 501 note.
- c. Joint Development. If joint development is involved, the Recipient agrees to follow the latest edition of FTA Circular 7050.1, "Federal Transit Administration Guidance on Joint Development."

Section 15. Preference for United States Products and Services.

Except as the Federal Government determines otherwise in writing, the Recipient agrees to comply with FTA's U.S. domestic preference requirements and follow federal guidance, including:

- a. Buy America. The domestic preference procurement requirements of 49 U.S.C. § 5323(j), and FTA regulations, “Buy America Requirements,” 49 C.F.R. part 661, to the extent consistent with 49 U.S.C. § 5323(j),
- b. Cargo Preference. Preference – Use of United States-Flag Vessels. The shipping requirements of 46 U.S.C. § 55305, and U.S. Maritime Administration regulations, “Cargo Preference – U.S.-Flag Vessels,” 46 C.F.R. part 381, and
- c. Fly America. The air transportation requirements of Section 5 of the International Air Transportation Fair Competitive Practices Act of 1974, as amended, 49 U.S.C. § 40118, and U.S. General Services Administration (U.S. GSA) regulations, “Use of United States Flag Air Carriers,” 41 C.F.R. §§ 301-10.131 – 301-10.143.

Section 16. Procurement.

- a. Federal Laws, Regulations, Requirements, and Guidance. The Recipient agrees:
 - (1) To comply with the requirements of 49 U.S.C. chapter 53 and other applicable federal laws, regulations, and requirements in effect now or later that affect its third party procurements,
 - (2) To comply with the applicable U.S. DOT Common Rules, and
 - (3) To follow the most recent edition and any revisions of FTA Circular 4220.1, “Third Party Contracting Guidance,” to the extent consistent with applicable federal laws, regulations, requirements, and guidance.
- b. Full and Open Competition. The Recipient agrees to conduct all of its third party procurements using full and open competition as provided in 49 U.S.C. § 5325(a), and as determined by FTA.
- c. Exclusionary or Discriminatory Specifications. The Recipient agrees that it will not use any federal assistance under 49 U.S.C. chapter 53 for any procurement based on exclusionary or discriminatory specifications, as provided in 49 U.S.C. § 5325(h), unless authorized by other applicable federal laws, regulations, or requirements.
- d. Required Clauses in Third Party Contracts. In addition to other applicable provisions of federal law, regulations, requirements, and guidance, all third party contracts made by the Recipient under the Federal award must contain provisions covering the following, as applicable:
 - (1) Contracts for more than the simplified acquisition threshold currently set at \$150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. § 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.
 - (2) All contracts in excess of \$10,000 must address termination for cause and for convenience by the non-Federal entity including the manner by which it will be effected and the basis for settlement.

- (3) Equal Employment Opportunity. Except as otherwise provided under 41 C.F.R. part 60, all contracts that meet the definition of “federally assisted construction contract” in 41 C.F.R. part 60-1.3 must include the equal opportunity clause provided under 41 C.F.R. § 60-1.4(b), in accordance with Executive Order No. 11246, “Equal Employment Opportunity” (30 FR 12319, 12935, 3 C.F.R. part 1964-1965 Comp., p. 339), as amended by Executive Order No. 11375, “Amending Executive Order No. 11246 Relating to Equal Employment Opportunity,” and implementing regulations at 41 C.F.R. part 60, “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor.”
- (4) Davis-Bacon Act, as amended (40 U.S.C. §§ 3141 – 3148). When required by Federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-Federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. §§ 3141 - 3144, and 3146 – 3148) as supplemented by Department of Labor regulations (29 C.F.R. part 5, “Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction”). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency. The contracts must also include a provision for compliance with the Copeland “Anti-Kickback” Act (40 U.S.C. § 3145), as supplemented by Department of Labor regulations (29 C.F.R. part 3, “Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States”). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.
- (5) Contract Work Hours and Safety Standards Act (40 U.S.C. §§ 3701 – 3708). Where applicable, all contracts awarded by the non-Federal entity in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. §§ 3702 and 3704, as supplemented by Department of Labor regulations (29 C.F.R. part 5). Under 40 U.S.C. § 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. § 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

- (6) Rights to Inventions Made Under a Contract or Agreement. If the Federal award meets the definition of “funding agreement” under 37 C.F.R. § 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that “funding agreement,” the recipient or subrecipient must comply with the requirements of 37 C.F.R. part 401, “Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” and any implementing regulations issued by the awarding agency.
- (7) Clean Air Act (42 U.S.C. §§ 7401 – 7671q.) and the Federal Water Pollution Control Act (33 U.S.C. §§ 1251 – 1387), as amended—Contracts and subgrants of amounts in excess of \$150,000 must contain a provision that requires the non-Federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. §§ 7401 – 7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. §§ 1251 – 1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).
- (8) Debarment and Suspension (Executive Orders Nos. 12549 and 12689)—A contract award (see 2 C.F.R. § 180.220) must not be made to parties listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 C.F.R. § 180 that implement Executive Orders Nos. 12549 (3 C F R part 1986 Comp., p. 189) and 12689 (3 C.F.R. part 1989 Comp., p. 235), “Debarment and Suspension.” SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order No. 12549.
- (9) Byrd Anti-Lobbying Amendment (31 U.S.C. § 1352)—Contractors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. § 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.
- (10) A Recipient that is a state agency or agency of a political subdivision of a state and its contractors must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 C.F.R. part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and

establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

- e. Geographic Restrictions. The Recipient agrees that it will not use any state or local geographic preference, except as permitted by federal law, regulation, requirement, or guidance.
- f. In-State Bus Dealer Restrictions. The Recipient agrees that any state law requiring buses to be purchased through in-state dealers will not apply to purchases of vehicles supported with federal assistance appropriated or made available for 49 U.S.C. chapter 53, as provided in 49 U.S.C. § 5325(i).
- g. Organizational Conflict of Interest. The Recipient agrees that it will not enter into a procurement that involves a real or apparent organizational conflict of interest.
- h. Project Labor Agreements. As a condition of third party contract award, the Recipient may require the Third Party Contractor or Subcontractor to have an affiliation with a labor organization, such as a Project Labor Agreement, consistent with Executive Order No. 13502, "Use of Project Labor Agreements for Federal Construction Projects," February 6, 2009, 41 U.S.C. chapter 39, Refs. & Annos.
- i. Force Account. The Recipient agrees that FTA may determine the extent to which federal assistance may be used to participate in force account costs.
- j. FTA Technical Review. The Recipient agrees that FTA may review and approve the Recipient's technical specifications and requirements to the extent FTA believes necessary to ensure proper administration of the Underlying Agreement.
- k. Relationship of the Award to Third Party Contract Approval. The Recipient agrees that the terms of the Underlying Agreement do not, by themselves, constitute approval of any non-competitive third party contract associated with the Award, unless FTA indicates otherwise in writing.
- l. National Intelligent Transportation Systems Architecture and Standards. The Recipient agrees to conform to the National Intelligent Transportation Systems (ITS) Architecture requirements of 23 U.S.C. § 517(d), unless it obtains an exemption from those requirements, and follow FTA Notice, "FTA National ITS Architecture Policy on Transit Projects," 66 *Fed. Reg.* 1455, January 8, 2001, and all other applicable federal guidance.
- m. Rolling Stock. The Recipient agrees that any procurement for rolling stock will comply with 49 U.S.C. § 5325 (Contract Requirements), 49 U.S.C. § 5323(j) (Buy America Requirements), 49 U.S.C. § 5323(m) (Pre-Award and Post Delivery Requirements), and 49 U.S.C. § 5318(e) (Bus Testing Requirements), and their implementing regulations.
- n. Bonding. The Recipient agrees to comply with the following bonding requirements and restrictions as provided in federal regulations and guidance:

- (1) Construction. As provided in federal regulations and modified by FTA guidance, for each Project or related activities implementing the Underlying Agreement that involve construction, it will provide bid guarantee bonds, contract performance bonds, and payment bonds.
 - (2) Activities Not Involving Construction. For each Project or related activities implementing the Underlying Agreement not involving construction, the Recipient will not impose excessive bonding and will follow FTA guidance.
- o. Architectural Engineering and Related Services. When procuring architectural engineering or related services supported with federal assistance appropriated or made available for 49 U.S.C. chapter 53 or provided in any other law requiring the Award to be administered under 49 U.S.C. chapter 53, the Recipient agrees that it will comply and assures that each of its Subrecipients will comply with 49 U.S.C. § 5325(b).
 - p. Design-Build Projects. As provided in 49 U.S.C. § 5325(d), the Recipient may use a design-build procurement to carry out its Design-Build Project, provided that it complies with applicable federal laws, regulations, and requirements, and follows federal guidance.
 - q. Award to Other than the Lowest Bidder. As permitted under 49 U.S.C. § 5325(c), the Recipient may award a third party contract to other than the lowest bidder, if that award furthers an objective (for example, improved long-term operating efficiency and lower long-term costs) consistent with the purposes of 49 U.S.C. chapter 53 and any implementing federal regulations, requirements, or guidance that FTA may issue.
 - r. Award to Responsible Third Party Contractors. The Recipient agrees that it will award third party contracts only to contractors able to carry out the procurement successfully, as provided in 49 U.S.C. § 5325(j), and before awarding a third party contract, it will consider the proposed contractor's integrity, compliance with public policy, past performance, and financial and technical resources.
 - s. Access to Third Party Contract Records. The Recipient agrees to require, and assures that each of its Subrecipients will require, its Third Party Contractors at each tier to provide:
 - (1) The U.S. Secretary of Transportation and the Comptroller General of the United States, the state, or their duly authorized representatives, access to all third party contract records (at any tier) as required under 49 U.S.C. § 5325(g), and
 - (2) Sufficient access to all third party contract records (at any tier) as needed for compliance with applicable federal laws, regulations, and requirements or to assure proper management of Underlying Agreement as determined by FTA.
 - t. Electronic and Information Technology. The Recipient agrees that reports or information it provides to or on behalf of the Federal Government will use electronic or information technology that complies with the accessibility requirements of Section 508 of the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 794d, and U.S. ATBCB regulations, "Electronic and Information Technology Accessibility Standards," 36 C.F.R. part 1194.

- u. Veterans Preference. As provided in 49 U.S.C. § 5325(k), to the extent practicable, the Recipient agrees and assures that each of its Subrecipients:
 - (1) Will give a hiring preference to veterans, as defined in 5 U.S.C. § 2108, who have the skills and abilities required to perform construction work required under a third party contract in connection with a Capital Project supported with federal assistance appropriated or made available for 49 U.S.C. chapter 53, and
 - (2) Will not require an employer to give a preference to any veteran over any equally qualified applicant who is a member of any racial or ethnic minority, female, an individual with a disability, or a former employee.
- v. Acquisition by Lease. The Recipient agrees that if it intends to acquire Project property through a lease it will comply, as applicable, with 49 U.S.C. chapter 53 and section 3019 of the FAST Act, and FTA regulations, "Capital Leases," 49 C.F.R. part 639 to the extent those regulations are consistent with federal laws.

Section 17. Patent Rights.

- a. General. The Recipient agrees that:
 - (1) Depending on the nature of the Underlying Agreement, the Federal Government may acquire patent rights when the Recipient or Third Party Participant produces a patented or patentable invention, improvement, or discovery,
 - (2) The Federal Government's rights arise when the patent or patentable information is conceived or reduced to practice with federal assistance provided through the Underlying Agreement, or
 - (3) When a patent is issued or patented information becomes available as described in the preceding section 17.a(2) of this Master Agreement, the Recipient will notify FTA immediately, and provide a detailed report satisfactory to FTA.
- b. Federal Rights. The Recipient agrees that:
 - (1) Its rights and responsibilities, and each Third Party Participant's rights and responsibilities, in that federally assisted invention, improvement, or discovery will be determined as provided in applicable federal laws, regulations, requirements, and guidance, including any waiver thereof, and
 - (2) Unless the Federal Government determines otherwise in writing, irrespective of its status or the status of any Third Party Participant as a large business, small business, state government, state instrumentality, local government, Indian tribe, nonprofit organization, institution of higher education, or individual, the Recipient will transmit the Federal Government's patent rights to FTA, as specified in 35 U.S.C. § 200 *et seq.*, and U.S. Department of Commerce regulations, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," 37 C.F.R. part 401.
- c. License Fees and Royalties. Consistent with the applicable U.S. DOT Common Rules, the Recipient agrees that license fees and royalties for patents, patent applications, and inventions produced with federal assistance provided through the Underlying Agreement are program income, and must be used in compliance with applicable federal requirements.

Section 18. Rights in Data and Copyrights.

- a. Definition of "Subject Data." As used in this section, "subject data" means recorded information whether or not copyrighted, and that is delivered or specified to be delivered as required by the Underlying Agreement. Examples of "subject data" include, but are not limited to computer software, standards, specifications, engineering drawings and associated lists, process sheets, manuals, technical reports, catalog item identifications, and related information, but do not include financial reports, cost analyses, or other similar information used for performance or administration of the Underlying Agreement.
- b. General Federal Restrictions. The following restrictions apply to all subject data first produced in the performance of the Underlying Agreement:
 - (1) Prohibitions. The Recipient may not publish or reproduce any subject data, in whole, in part, or in any manner or form, or permit others to do so.
 - (2) Exceptions. The prohibitions do not apply to publications or reproductions for the Recipient's own internal use, an institution of higher learning, the portion of subject data that the Federal Government has previously released or approved for release to the public, or the portion of data that has the Federal Government's prior written consent for release.
- c. Federal Rights in Data and Copyrights. The Recipient agrees that:
 - (1) General. It must provide a license to its "subject data" to the Federal Government that is royalty-free, non-exclusive, and irrevocable. The Federal Government's license must permit the Federal Government to reproduce, publish, or otherwise use the subject data or permit other entities or individuals to use the subject data provided those actions are taken for Federal Government purposes, and
 - (2) U.S. DOT Public Access Plan – Copyright License. The Recipient grants to U.S. DOT a worldwide, non-exclusive, non-transferable, paid-up, royalty-free copyright license, including all rights under copyright, to any and all Publications and Digital Data Sets as such terms are defined in the U.S. DOT Public Access plan, resulting from scientific research funded either fully or partially by this funding agreement. The Recipient herein acknowledges that the above copyright license grant is first in time to any and all other grants of a copyright license to such Publications and/or Digital Data Sets, and that U.S. DOT shall have priority over any other claim of exclusive copyright to the same.
- d. Special Federal Rights in Data for Research, Development, Demonstration, Deployment, Technical Assistance, and Special Studies Programs. In general, FTA's purpose in providing federal assistance for a research, development, demonstration, deployment, technical assistance, or special studies program is to increase transportation knowledge, rather than limit the benefits of the Award to the Recipient and its Third Party Participants. Therefore, the Recipient agrees that:
 - (1) Publicly Available Report. When an Award providing federal assistance for any of the programs described above is completed, it must provide a report of the Underlying Agreement that FTA may publish or make available for publication on the Internet.

- (2) Other Reports. It must provide other reports related to the Award that FTA may request.
 - (3) Availability of Subject Data. FTA may make available its copyright license to the subject data, and a copy of the subject data to any FTA Recipient or any Third Party Participant at any tier, except as the Federal Government determines otherwise in writing.
 - (4) Identification of Information. It must identify clearly any specific confidential, privileged, or proprietary information submitted to FTA.
 - (5) Incomplete. If the Award is not completed for any reason whatsoever, all data developed with federal assistance for the Award becomes "subject data" and must be delivered as the Federal Government may direct.
 - (6) Exception. This section does not apply to an adaptation of any automatic data processing equipment or program that is both for the Recipient's use, and acquired with FTA capital program assistance.
- e. License Fees and Royalties. Consistent with the applicable U.S. DOT Common Rules, the Recipient agrees that license fees and royalties for patents, patent applications, and inventions produced with federal assistance provided through the Underlying Agreement are program income, and must be used in compliance with federal applicable requirements.
 - f. Hold Harmless. Upon request by the Federal Government, the Recipient agrees that if it intentionally violates any proprietary rights, copyrights, or right of privacy, and if its violation under the preceding section occurs from any of the publication, translation, reproduction, delivery, use or disposition of subject data, then it will indemnify, save, and hold harmless against any liability, including costs and expenses of the Federal Government's officers, employees, and agents acting within the scope of their official duties. The Recipient will not be required to indemnify the Federal Government for any liability described in the preceding sentence, if the violation is caused by the wrongful acts of federal officers, employees or agents, or if indemnification is prohibited or limited by applicable state law.
 - g. Restrictions on Access to Patent Rights. Nothing in this section of this Master Agreement pertaining to rights in data either implies a license to the Federal Government under any patent, or may be construed to affect the scope of any license or other right otherwise granted to the Federal Government under any patent.
 - h. Data Developed Without Federal Assistance or Support. The Recipient agrees that in certain circumstances it may need to provide to FTA data developed without any federal assistance or support. Nevertheless, this section generally does not apply to data developed without federal assistance, even though that data may have been used in connection with the Award. The Recipient agrees that the Federal Government will not be able to protect data developed without federal assistance from unauthorized disclosure unless that data is clearly marked "Proprietary," or "Confidential."

- i. Requirements to Release Data. The Recipient understands and agrees that the Federal Government may be required to release data and information the Recipient submits to the Federal Government as required under:
 - (1) The Freedom of Information Act (FOIA), 5 U.S.C. § 552,
 - (2) The U.S. DOT Common Rules,
 - (3) U.S. DOT Public Access Plan, which provides that the Recipient agrees to satisfy the reporting and compliance requirements as set forth in the U.S. DOT Public Access plan, including, but not limited to, the submission and approval of a Data Management Plan, the use of Open Researcher and Contributor ID (ORCID) numbers, the creation and maintenance of a Research Project record in the Transportation Research Board's (TRB) Research in Progress (RiP) database, and the timely and complete submission of all required publications and associated digital data sets as such terms are defined in the DOT Public Access plan. Additional information about how to comply with the requirements can be found at: <http://ntl.bts.gov/publicaccess/howtocomply.html>, or
 - (4) Other federal laws, regulations, requirements, and guidance concerning access to records pertaining to the Award, the accompanying Underlying Agreement, and any Amendments thereto.

Section 19. Use of Real Property, Equipment, and Supplies.

- a. Federal Interest. The Recipient agrees that the Federal Government retains a federal interest in all real property, equipment, and supplies acquired or improved for use in connection with a Project (Project property) until, and to the extent that, the Federal Government removes its federal interest.
- b. FTA Requirements and Guidance for Use of Project Property. The Recipient agrees that:
 - (1) Satisfactory Continuing Control. It will maintain continuing control of the use of its Project property as satisfactory to FTA, which is defined as the legal assurance that Project property will remain available to be used for its originally authorized purpose throughout its useful life or until disposition.
 - (2) Appropriate Use. It will use its Project property for appropriate purposes (including joint development purposes as well as uses that provide program income to support public transportation) for the duration of the useful life of its Project property, which may extend beyond the duration of the Award, and consistent with other requirements FTA may impose.
 - (3) Delay or Failure to Use Project Property. The Federal Government may require it to return the entire amount of federal assistance spent on its Project property if, during the useful life of its Project property, it has unreasonably delayed using its Project property, or failed to use its Project property.
 - (4) Notification. It will notify FTA immediately when it uses any of its Project property in a manner substantially different from the representations in its Application or other documents submitted in support of the Award, or the requirements of the accompanying Underlying Agreement, or it withdraws any of its Project property from appropriate use.
 - (5) FTA Guidance. It will consult FTA guidance through its circulars or other written documents for ways in which FTA property requirements should be implemented. FTA guidance will apply unless FTA determines otherwise in writing.

- c. General Federal Requirements. The Recipient agrees to comply with the applicable U.S. DOT property management provisions contained in the U.S. DOT Common Rules and this Master Agreement. The Recipient also agrees that it will follow FTA's reimbursement provisions pertaining to premature dispositions of certain equipment, as provided in this Master Agreement and FTA guidance.
- d. Maintenance. As provided in federal laws, regulations, and requirements, and as provided in federal guidance, the Recipient agrees to maintain its Project property in good operating order, and comply with FTA regulations, "Transit Asset Management; National Transit Database," 49 C.F.R. parts 625 and 630.
- e. Property Records. The Recipient agrees that it will keep satisfactory records of its use of its project property, and, upon request, it will provide FTA the necessary information required to assure compliance with this Master Agreement.
- f. Incidental Use.
 - (1) The Recipient agrees that any incidental use of Project property will not exceed what is permitted under applicable federal requirements and federal guidance.
 - (2) As provided in 49 U.S.C. § 5323(p), it may permit nontransit public entities and private entities to have incidental use of its federally assisted alternative fueling facilities and equipment, only if:
 - (a) The incidental use does not interfere with public transportation operations or violate the provisions of the Underlying Agreement and any Amendments thereto,
 - (b) It fully recaptures all the costs related to the incidental use from any nontransit public entity or private entity that uses the alternative fueling facilities or equipment,
 - (c) It uses revenues it receives from the incidental use in excess of costs for planning, capital, and operating expenses that are incurred in providing public transportation, and
 - (d) Private entities pay all applicable excise taxes on fuel.
- g. Reasonable Access for Private Intercity or Charter Transportation Operators. The Recipient agrees that it must comply with 49 U.S.C. § 5323(r), and may not deny reasonable access for a private intercity or charter transportation operator to federally funded public transportation facilities, including intermodal facilities, park and ride lots, and bus-only highway lanes. In determining reasonable access, capacity requirements of the Recipient of assistance and the extent to which access would be detrimental to existing public transportation services must be considered.
- h. Encumbrance of Project Property. Absent the express consent of the Federal Government in writing, the Recipient agrees to preserve the federal interest in its Project property, and to maintain satisfactory continuing control of its Project property as follows:
 - (1) Written Transactions. The Recipient agrees that it will not execute any documents that would either adversely affect the federal interest in or impair its continuing control of the use of its Project property including, but not limited to, lease, transfer of title, lien,

- pledge, mortgage, encumbrance, third party contract, subagreement, grant anticipation note, alienation, innovative finance arrangements, such as a cross-border or leveraged lease, or other types of innovative financing arrangements, or any restriction, constraint, or commitment that may apply to the Project property. Upon request, the Recipient will provide a copy of any document described above to FTA.
- (2) Oral Transactions. The Recipient agrees it will not obligate itself in any way through an oral statement to any third party with respect to its Project property that would either adversely affect the federal interest in or impair its continuing control of the use of its Project property.
 - (3) Other Actions. The Recipient agrees that it will not take any other action that would either adversely affect the federal interest in or impair its continuing control of the use of its Project property.
- i. Useful Life of Project Property. The Recipient agrees that:
- (1) Determining the Useful Life. FTA may establish the useful life of Project property,
 - (2) Required Use. It will use its Project property continuously and appropriately throughout the useful life of that property,
 - (3) Expired Useful Life. When the useful life of its Project property has expired, it will comply with FTA's disposition requirements, and
 - (4) Premature Withdrawal. The Federal Government retains a federal interest in the fair market value of Project property or remaining useful life in Project property calculated on the basis of straight line depreciation (including Project equipment acquired by a state). Therefore, if the Recipient withdraws that property from public transportation use prematurely, it will notify FTA immediately when any of its Project property is prematurely withdrawn from appropriate use, whether by planned withdrawal, misuse, or casualty loss.
 - (a) Amount of Federal Interest. The federal interest in the Recipient's or any of its Subrecipients' Project property will be determined on the basis of the ratio of the federal assistance provided for that property to the actual cost of that property.
 - (b) Financial Commitments to the Federal Government. Except as otherwise approved in writing by the Federal Government, the Recipient agrees that if its Project property is prematurely withdrawn from appropriate use:
 - 1 It will return an amount equal to the remaining federal interest in the withdrawn property to the Federal Government, or
 - 2 With FTA approval, it will invest an amount equal to the remaining federal interest in the withdrawn property in other transit property eligible for federal assistance provided through the Underlying Agreement.
- j. Calculating the Value of Prematurely Withdrawn Project Property. The Recipient agrees that the fair market value of Project property prematurely withdrawn from use in support of the Award (including the fair market value of project equipment acquired or improved by a state) will be calculated as follows:
- (1) Equipment and Supplies. The fair market value of project equipment or supplies will be calculated by straight-line depreciation, based on the useful life of that equipment or supplies as established or approved by FTA. The fair market value of the Project equipment and supplies withdrawn from proper use will be based on the value of that

- property immediately before it was withdrawn from appropriate use irrespective of whether the Project property was withdrawn from use due to fire, casualty, or natural disaster, and irrespective of the extent of insurance coverage.
- (2) Real Property. The Recipient agrees that the fair market value of Project real property shall be determined by:
 - (a) Competent appraisal based on an appropriate date as approved by FTA, consistent with U.S. DOT regulations, "Uniform Relocation Assistance and Real Property Acquisition for Federal and Federally-Assisted Programs," 49 C.F.R. part 24,
 - (b) Straight line depreciation of improvements to the Project real property coupled with the value of the land determined by FTA on the basis of appraisal, or
 - (c) Other applicable federal laws, regulations, and requirements.
 - (3) Exceptional Circumstances. The Recipient agrees that the Federal Government may require another method of valuation to be used to determine the fair market value of Project real property withdrawn from service. In unusual circumstances, the Recipient may request permission to use another reasonable valuation method including, but not limited to accelerated depreciation, comparable sales, or established market values.
- k. Insurance Proceeds. The Recipient agrees to use any insurance proceeds it receives for Project property that has been damaged or destroyed (including insurance proceeds for Project equipment acquired or improved by a state) as follows:
 - (1) Replacement. It may apply those insurance proceeds to the cost of replacing that damaged or destroyed property,
 - (2) Another Purpose. It may use those insurance proceeds for another authorized purpose, provided that it has obtained FTA's consent in writing, or
 - (3) Return to the Federal Government. It may return to the Federal Government an amount equal to the amount of the remaining federal interest in that property that has been damaged or destroyed.
- l. Misused or Damaged Project Property. If any damage to Project property results from abuse or misuse occurring with the Recipient's knowledge and consent, the Recipient agrees to restore the Project property that has been damaged to its original condition, or refund the value of the federal interest in its Project property (including the remaining federal interest in Project equipment acquired by a state), as the Federal Government may require.
- m. Disposition of Project Property. The Recipient agrees that disposition of its Project property may be made as provided in FTA's enabling legislation, 49 U.S.C. § 5334(h), U.S. DOT Common Rules, and the most recent edition of FTA Circular 5010.1, to the extent consistent with applicable federal laws, regulations, requirements, and guidance. The Recipient understands and agrees that under certain circumstances, the Recipient must obtain disposition instructions from FTA before disposing of Project property, including real property, equipment including rolling stock, and supplies.
- n. Responsibilities After Closeout. The Recipient agrees that closeout of the Award will not change the Recipient's property management responsibilities for its Project property as provided in federal laws, regulations, requirements, and guidance effective now or at a later date, and this section of the Master Agreement.

Section 20. Transit Asset Management.

- a. Transit Asset Management Plan. The Recipient agrees to develop a Transit Asset Management Plan that complies with federal transit laws, specifically 49 U.S.C. § 5326 and 5337(a)(4), FTA regulations, “Transit Asset Management; National Transit Database,” 49 C.F.R. parts 625 and 630, and other applicable federal laws, regulations, and requirements.
- b. When Compliance is Required. The Recipient agrees to, and assures that each Third Party Participant will comply with FTA regulations, “Transit Asset Management; National Transit Database,” 49 C.F.R. parts 625 and 630, and follow applicable federal guidance.

Section 21. Insurance.

- a. Flood Insurance. The Recipient agrees and assures that its third party participants will agree to comply with flood insurance laws and guidance as follows:
 - (1) It will have flood insurance as required by the Flood Disaster Protection Act of 1973, 42 U.S.C. § 4012a(a), for any building located in a special flood hazard area (100-year flood zone), before accessing federal assistance to acquire, construct, reconstruct, repair, or improve that building.
 - (2) Each such building and its contents will be covered by flood insurance in an amount at least equal to the federal investment (less estimated land cost) or to the maximum limit of coverage made available with respect to the particular type of property under the National Flood Insurance Act of 1968, 42 U.S.C. § 4001 *et seq.*, whichever is less.
 - (3) It will follow FTA guidance, except to the extent FTA determines otherwise in writing.
- b. Other Insurance Requirements. It will comply with the insurance requirements normally imposed by its state and local laws, regulations, and ordinances.

Section 22. Relocation and Real Property.

- a. Relocation Protections. Irrespective of whether federal assistance is used to pay relocation costs required under federal laws, regulations, or requirements, the Recipient agrees that it will:
 - (1) Provide fair and equitable treatment to displaced individuals and businesses that must be relocated as a result of any Project for which the FTA has provided federal assistance, and
 - (2) Comply with federal transit laws, specifically 49 U.S.C. § 5323(b), which requires compliance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended, 42 U.S.C. § 4601 *et seq.*, and U.S. DOT regulations, “Uniform Relocation Assistance and Real Property Acquisition for Federal and Federally-Assisted Programs,” 49 C.F.R. part 24.
- b. Nondiscrimination in Housing. The Recipient agrees that when it must provide housing for individuals as a result of relocation, it will comply with Title VIII of the Civil Rights Act

of 1968, as amended, 42 U.S.C. § 3601 *et seq.*, and facilitate and follow Executive Order No. 12892, "Leadership and Coordination of Fair Housing in Federal Programs: Affirmatively Furthering Fair Housing," January 17, 1994, 42 U.S.C. § 3608 note, except as the Federal Government determines otherwise in writing.

- c. Prohibition Against the Use of Lead-Based Paint. The Recipient agrees that if it constructs or rehabilitates residential structures on behalf of individuals displaced by its any Project, it will not use lead-based paint, and it will comply with Section 401(b) of the Lead-Based Paint Poisoning Prevention Act, 42 U.S.C. § 4831(b), and U.S. Housing and Urban Development regulations, "Lead-based Paint Poisoning Prevention in Certain Residential Structures," 24 C.F.R. part 35.
- d. Real Property Acquisition Protections. Irrespective of whether federal assistance is used to pay real property acquisition costs required to implement the Award, the Recipient agrees that it will provide fair and equitable treatment to owners of real property or interests in real property that must be acquired as a result of any Project, and comply with federal transit laws, specifically 49 U.S.C. § 5323(b), which requires compliance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended, 42 U.S.C. § 4601 *et seq.*, and U.S. DOT regulations, "Uniform Relocation Assistance and Real Property Acquisition for Federal and Federally-Assisted Programs," 49 C.F.R. part 24.
- e. Covenant Against Discrimination. The Recipient agrees to include a covenant in the title of the real property acquired for use in any Project that assures nondiscrimination during the useful life of that real property.
- f. Recording the Title to Real Property. The Recipient agrees to record the federal interest in the title to real property used in connection with any Project if FTA so requires.
- g. FTA Approval of Changes in Real Property Ownership. Unless it receives permission or instructions from FTA, the Recipient agrees that it will not dispose of, modify the use of, or change the title to real property used in any Project, or any other interests in the site and facilities used in any Project.

Section 23. Construction.

- a. Construction Plans and Specifications. The Recipient agrees to comply with all applicable statutes, regulations, and requirements, and follow FTA guidance in the development and implementation of construction plans and specifications, including drafting, review, and approval, for the Award.
- b. Seismic Safety. The Recipient agrees to comply with the Earthquake Hazards Reduction Act of 1977, as amended, 42 U.S.C. § 7701 *et seq.*, and U.S. DOT regulations, "Seismic Safety," 49 C.F.R. part 41, specifically, 49 C.F.R. § 41.117.

- c. Supervision of Construction. The Recipient agrees to maintain competent and adequate engineering supervision at the construction site of any Project to ensure that the completed work conforms to the approved plans and specifications.
- d. Construction Reports. For any Project or related activities involving construction, the Recipient agrees to provide progress reports and other relevant information or data, as required by FTA or the state in which construction takes place.
- e. Major Capital Investment Projects. If the Recipient's Project involves a Major Federal Project, it agrees to comply with all applicable federal regulations, including FTA regulations, "Major Capital Investment Projects," 49 C.F.R. part 611, and "Project Management Oversight," 49 C.F.R. part 633, to the extent that they are consistent with applicable FTA enabling legislation, and follow all applicable federal guidance.

Section 24. Employee Protections.

- a. Awards Involving Construction. The Recipient agrees to comply and assures that each Third Party Participant will comply with all federal laws, regulations, and requirements providing protections for construction employees involved in each Project or related activities with federal assistance provided through the Underlying Agreement, including the:
 - (1) Prevailing Wage Requirements of:
 - (a) Federal transit laws, specifically 49 U.S.C. § 5333(a), (FTA's "Davis-Bacon Related Act"),
 - (b) The Davis-Bacon Act, 40 U.S.C. §§ 3141 – 3144, 3146, and 3147, and
 - (c) U.S. DOL regulations, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction (also Labor Standards Provisions Applicable to Nonconstruction Contracts Subject to the Contract Work Hours and Safety Standards Act)," 29 C.F.R. part 5.
 - (2) Wage and Hour Requirements of:
 - (a) Section 102 of the Contract Work Hours and Safety Standards Act, as amended, 40 U.S.C. § 3702, and other relevant parts of that Act, 40 U.S.C. § 3701 *et seq.*, and
 - (b) U.S. DOL regulations, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction (also Labor Standards Provisions Applicable to Nonconstruction Contracts Subject to the Contract Work Hours and Safety Standards Act)," 29 C.F.R. part 5.
 - (3) "Anti-Kickback" Prohibitions of:
 - (a) Section 1 of the Copeland "Anti-Kickback" Act, as amended, 18 U.S.C. § 874,
 - (b) Section 2 of the Copeland "Anti-Kickback" Act, as amended, 40 U.S.C. § 3145, and
 - (c) U.S. DOL regulations, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States," 29 C.F.R. part 3.
 - (4) Construction Site Safety of:
 - (a) Section 107 of the Contract Work Hours and Safety Standards Act, as amended, 40 U.S.C. § 3704, and other relevant parts of that Act, 40 U.S.C. § 3701 *et seq.*, and

- (b) U.S. DOL regulations, “Recording and Reporting Occupational Injuries and Illnesses,” 29 C.F.R. part 1904; “Occupational Safety and Health Standards,” 29 C.F.R. part 1910; and “Safety and Health Regulations for Construction,” 29 C.F.R. part 1926.
- b. Awards Not Involving Construction. The Recipient agrees to comply and assures that each Third Party Participant will comply with all federal laws, regulations, and requirements providing wage and hour protections for nonconstruction employees, including Section 102 of the Contract Work Hours and Safety Standards Act, as amended, 40 U.S.C. § 3702, and other relevant parts of that Act, 40 U.S.C. § 3701 *et seq.*, and U.S. DOL regulations, “Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction (also Labor Standards Provisions Applicable to Nonconstruction Contracts Subject to the Contract Work Hours and Safety Standards Act),” 29 C.F.R. part 5.
- c. Awards Involving Commerce. The Recipient agrees to comply and assures that each Third Party Participant will comply with the Fair Labor Standards Act (FLSA), 29 U.S.C. § 201 *et seq.* to the extent that the FLSA applies to employees performing work with federal assistance provided through the Underlying Agreement involving commerce, and as the Federal Government otherwise determines applicable.
- d. Public Transportation Employee Protective Arrangements. As a condition of award of federal assistance appropriated or made available for FTA programs involving public transportation operations, the Recipient agrees to comply and assures that each Third Party Participant will comply with the following employee protective arrangements of 49 U.S.C. § 5333(b):
- (1) U.S. DOL Certification. When its Award, the accompanying Underlying Agreement, or any Amendments thereto involve public transportation operations and are supported with federal assistance appropriated or made available for 49 U.S.C. §§ 5307 – 5312, 5316, 5318, 5323(a)(1), 5323(b), 5323(d), 5328, 5337, 5338(b), or 5339, or former 49 U.S.C. §§ 5308, 5309, 5312, or other provisions of law as required by the Federal Government, U.S. DOL must provide a certification of employee protective arrangements before FTA may provide federal assistance for that Award. The Recipient agrees that the certification issued by U.S. DOL is a condition of the Underlying Agreement and that the Recipient must comply with its terms and conditions.
 - (2) Special Warranty. When its Underlying Agreement involves public transportation operations and is supported with federal assistance appropriated or made available for 49 U.S.C. § 5311, U.S. DOL will provide a Special Warranty for its Award, including its Award of federal assistance under the Tribal Transit Program. The Recipient agrees that its U.S. DOL Special Warranty is a condition of the Underlying Agreement and the Recipient must comply with its terms and conditions.
 - (3) Special Arrangements for Underlying Agreements for Federal Assistance Authorized under 49 U.S.C. § 5310. The Recipient agrees, and assures that any Third Party Participant providing public transportation operations will agree, that although pursuant to 49 U.S.C. § 5310, and former 49 U.S.C. §§ 5310 or 5317, FTA has determined that it was not “necessary or appropriate” to apply the conditions of 49 U.S.C. § 5333(b) to

any Subrecipient participating in the program to provide public transportation for seniors (elderly individuals) and individuals with disabilities, FTA reserves the right to make case-by-case determinations of the applicability of 49 U.S.C. § 5333(b) for all transfers of funding authorized under title 23, United States Code (flex funds), and make other exceptions as it deems appropriate.

Section 25. Early Systems Work Agreement.

- a. **Statutory Requirements.** If FTA enters into an Early System Work Agreement (ESWA) with the Recipient to advance the implementation of the Recipient's Capital Project, the Recipient agrees that provisions of 49 U.S.C. § 5309(k)(3) will apply to that ESWA, the Recipient, and FTA.
- b. **ESWA Provisions.** Except to the extent that the Federal Government determines otherwise in writing, the Recipient understands and agrees that the following provisions apply to its ESWA, unless the ESWA contains specific requirements to the contrary:
 - (1) **Recipient Representations.** In view of the standards and commitments imposed on the Recipient by 49 U.S.C. § 5309(k)(3), the Recipient has provided sufficient representations and information to FTA so that FTA has reason to believe the following:
 - (a) FTA and the Recipient will enter into a Full Funding Grant Agreement for the Project, and
 - (b) The terms of the ESWA will promote the ultimate completion of the Project more rapidly and at less cost.
 - (2) **FTA Commitments.** By entering into an ESWA with the Recipient, FTA has agreed to provide for reimbursement of the preliminary costs of carrying out the Project, including:
 - (a) Land acquisition,
 - (b) Timely procurement of system elements for which the specifications are decided, and
 - (c) Other activities that FTA decides are appropriate to make efficient, long-term Project management easier.
 - (3) **Time Period of the ESWA.** FTA reserves the right to determine the period of time in which the ESWA will remain in effect, even if that period extends beyond the time of the authorization of federal funding that will support the Project costs covered by the ESWA.
 - (4) **Interest and Other Financing Costs.** Interest and other financing costs of carrying out the ESWA efficiently and within a reasonable time are eligible ESWA costs, provided that:
 - (a) The interest and financing costs claimed do not exceed the cost of the most favorable financing terms reasonably available for the Project at the time of borrowing,
 - (b) The Recipient has certified that it will show reasonable diligence in seeking the most favorable financing terms, and
 - (c) The Recipient is able to show reasonable diligence in seeking the most favorable financing terms to support this ESWA.

- (5) Contingent Commitment. In providing funding for the ESWA:
 - (a) In its discretion, FTA may include a commitment, contingent on amounts made available under a later-enacted law, to obligate an additional amount from future available budget authority to support the costs of the Recipient's ESWA, and
 - (b) If FTA does make a commitment to provide funding contingent on future amounts to be specified in law, that commitment is not an obligation of the Federal Government.
- (6) Failure to Carry Out the Project. If, for reasons within its control, the Recipient does not carry out the Project for which its ESWA was made available by FTA, the Recipient must:
 - (a) Repay all Federal Grant funds awarded under the ESWA from all Federal funding sources for all Project activities, facilities, and equipment, and
 - (b) Pay reasonable interest and penalty charges:
 - 1 As established by FTA before or after FTA provided funding for the ESWA, or
 - 2 Allowable under law.

Section 26. Environmental Protections.

- a. General. The Recipient agrees to, and assures that its Third Party Participants will, comply with all applicable environmental and resource use laws, regulations, and requirements, and follow applicable guidance, now in effect or that may become effective in the future, including state and local laws, ordinances, regulations, and requirements and follow applicable guidance.
- b. National Environmental Policy Act. An Award of federal assistance requires the full compliance with applicable environmental laws, regulations, and requirements. Accordingly, the Recipient agrees to, and assures that its Third Party Participants will:
 - (1) Comply and facilitate compliance with federal laws, regulations, and requirements, including, but not limited to:
 - (a) Federal transit laws, such as 49 U.S.C. § 5323(c)(2), and 23 U.S.C. § 139,
 - (b) The National Environmental Policy Act of 1969 (NEPA), as amended, 42 U.S.C. §§ 4321 *et seq.*, as limited by 42 U.S.C. § 5159, and CEQ's implementing regulations 40 C.F.R. part 1500 – 1508,
 - (c) Joint FHWA and FTA regulations, "Environmental Impact and Related Procedures," 23 C.F.R. part 771 and 49 C.F.R. part 622,
 - (d) Executive Order No. 11514, as amended, "Protection and Enhancement of Environmental Quality," March 5, 1970, 42 U.S.C. § 4321 note, and
 - (e) Other federal environmental protection laws, regulations, and requirements applicable to the Recipient or the Award, the accompanying Underlying Agreement, and any Amendments thereto.
 - (2) Follow the federal guidance identified herein to the extent that the guidance is consistent with applicable authorizing legislation:
 - (a) Joint FHWA and FTA final guidance, "Interim Guidance on MAP-21 Section 1319, Accelerated Decisionmaking in Environmental Reviews," January 14, 2013,

- (b) Joint FHWA and FTA final guidance, “SAFETEA-LU Environmental Review Process (Pub. L. 109-59),” 71 *Fed. Reg.* 66576, November 15, 2006, and
 - (c) Other federal environmental guidance applicable to the Recipient or the Award, the accompanying Underlying Agreement, and any Amendments thereto.
- c. Environmental Justice. The Recipient agrees to, and assures that its Third Party Participants will, promote environmental justice by following:
- (1) Executive Order No. 12898, “Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations,” February 11, 1994, 42 U.S.C. § 4321 note, as well as facilitating compliance with that Executive Order,
 - (2) U.S. DOT Order 5610.2, “Department of Transportation Actions To Address Environmental Justice in Minority Populations and Low-Income Populations,” 62 *Fed. Reg.* 18377, April 15, 1997, and
 - (3) The most recent edition of FTA Circular 4703.1, “Environmental Justice Policy Guidance for Federal Transit Administration Recipients,” August 15, 2012, to the extent consistent with applicable federal laws, regulations, requirements, and guidance.
- d. Other Environmental Federal Laws. The Recipient agrees to comply or facilitate compliance and assures that its Third Party Participants will comply or facilitate compliance with all applicable federal laws, regulations, and requirements, and will follow applicable guidance, including, but not limited to, the Clean Air Act, Clean Water Act, Wild and Scenic Rivers Act of 1968, Coastal Zone Management Act of 1972, the Endangered Species Act of 1973, Magnuson Stevens Fishery Conservation and Management Act, Resource Conservation and Recovery Act, Comprehensive Environmental Response, Compensation, and Liability Act, Executive Order No. 11990 relating to “Protection of Wetlands,” and Executive Order Nos. 11988 and 13690 relating to “Floodplain Management.”
- e. Corridor Preservation. The Recipient agrees that:
- (1) It will not develop any right-of-way acquired under 49 U.S.C. § 5323(q) in anticipation of implementing its Award until all required environmental reviews for each Project or related activities have been completed, and
 - (2) It will follow FTA Final Guidance on the Application of 49 U.S.C § 5323(q) to Corridor Preservation for a Transit Project, October 17, 2014.
- f. Use of Certain Public Lands. The Recipient agrees to comply and assures that its Third Party Participants will comply with U.S. DOT laws, specifically 49 U.S.C. § 303 (often referred to as “section 4(f)”), and joint FHWA and FTA regulations, “Parks, Recreation Areas, Wildlife and Waterfowl Refuges, and Historic Sites,” 23 C.F.R. part 774, and referenced in 49 C.F.R. part 622.
- g. Historic Preservation. The Recipient agrees to, and assures that its Third Party Participants will:
- (1) Comply with U.S. DOT laws, including 49 U.S.C. § 303 (often referred to as “section 4(f)”), which requires certain findings be made before an Award may be undertaken if it involves the use of any land from a historic site that is on or eligible for inclusion on the National Register of Historic Places.

- (2) Encourage compliance with the federal historic and archaeological preservation requirements of section 106 of the National Historic Preservation Act, as amended, 54 U.S.C. § 306108.
 - (3) Comply with the Archeological and Historic Preservation Act of 1974, as amended, 54 U.S.C. § 312501 *et seq.*
 - (4) Comply with U.S. Advisory Council on Historic Preservation regulations, "Protection of Historic Properties," 36 C.F.R. part 800.
 - (5) Comply with federal requirements and follow federal guidance to avoid or mitigate adverse effects on historic properties.
- h. Indian Sacred Sites. The Recipient agrees to, and assures that its Third Party Participants will facilitate compliance with federal efforts to promote the preservation of places and objects of religious importance to American Indians, Eskimos, Aleuts, and Native Hawaiians, and facilitate compliance with the American Indian Religious Freedom Act, 42 U.S.C. § 1996, and Executive Order No. 13007, "Indian Sacred Sites," May 24, 1996, 42 U.S.C. § 3161 note.
- i. Mitigation of Adverse Environmental Effects.
- (1) The Recipient agrees that it will comply with all environmental mitigation measures that may be identified as conditions that the Federal Government might impose in finding of no significant impact or record of decision or commitments in the environmental documents that apply to the Award, such as environmental assessments, environmental impact statements, categorical exclusions, memoranda of agreement, documents required under 49 U.S.C. § 303, and other environmental documents.
 - (2) The Recipient agrees that:
 - (a) Any mitigation measures agreed on will be incorporated by reference and made part of the Underlying Agreement and any Amendments thereto,
 - (b) Any deferred mitigation measures will be incorporated by reference and made part of the Underlying Agreement and any Amendments thereto as soon as agreement with the Federal Government is reached, and
 - (c) Any mitigation measures agreed on will not be modified or withdrawn without the written approval of the Federal Government.
- j. Energy Conservation. The Recipient agrees to, and assures that its Subrecipients, if any, will comply with the mandatory energy standards and policies of its state energy conservation plans under the Energy Policy and Conservation Act, as amended, 42 U.S.C. § 6321 *et seq.*, and perform an energy assessment for any building constructed, reconstructed, or modified with federal assistance required under FTA regulations, "Requirements for Energy Assessments," 49 C.F.R. part 622, subpart C.

Section 27. State Management and Monitoring Systems.

The Recipient agrees to comply with joint FHWA and FTA regulations, "Management and Monitoring Systems," 23 C.F.R. part 500, and FTA regulations, "Transportation Infrastructure Management," 49 C.F.R. part 614.

Section 28. Charter Service.

- a. **Prohibitions.** The Recipient agrees that neither it nor any Third Party Participant involved in the Award will engage in charter service, except as permitted under federal transit laws, specifically 49 U.S.C. § 5323(d), (g), and (r), FTA regulations, "Charter Service," 49 C.F.R. part 604, any other Federal Charter Service regulations, federal requirements, or federal guidance.
- b. **Exceptions.** Apart from exceptions to the Charter Service restrictions in FTA's Charter Service regulations, FTA has established the following additional exceptions to those restrictions:
 - (1) FTA's Charter Service restrictions do not apply to equipment or facilities supported with federal assistance appropriated or made available for 49 U.S.C. § 5307 to support a Job Access and Reverse Commute (JARC)-type Project or related activities that would have been eligible for assistance under repealed 49 U.S.C. § 5316 in effect in Fiscal Year 2012 or a previous fiscal year, provided that the Recipient uses that federal assistance for FTA program purposes only, and
 - (2) FTA's Charter Service restrictions do not apply to equipment or facilities supported with the federal assistance appropriated or made available for 49 U.S.C. § 5310 to support a New Freedom-type Project or related activities that would have been eligible for federal assistance under repealed 49 U.S.C. § 5317 in effect in Fiscal Year 2012 or a previous fiscal year, provided the Recipient uses that federal assistance for program purposes only.
- c. **Violations.** If it or any Third Party Participant engages in a pattern of violations of FTA's Charter Service regulations, FTA may require corrective measures and remedies, including withholding an amount of federal assistance as provided in FTA's Charter Service regulations, 49 C.F.R. part 604, appendix D, or barring it or the Third Party Participant from receiving federal assistance provided in 49 U.S.C. chapter 53, 23 U.S.C. § 133, or 23 U.S.C. § 142.

Section 29. School Bus Operations.

- a. **Prohibitions.** The Recipient agrees that neither it nor any Third Party Participant that is participating in its Award will engage in school bus operations exclusively for the transportation of students or school personnel in competition with private school bus operators, except as permitted by federal transit laws, 49 U.S.C. § 5323(f) or (g), FTA regulations, "School Bus Operations," 49 C.F.R. part 605, and any other applicable federal "School Bus Operations" laws, regulations, federal requirements, or applicable federal guidance.
- b. **Violations.** If a Recipient or any Third Party Participant has operated school bus service in violation of FTA's School Bus laws, regulations, or requirements, FTA may require the Recipient or Third Party Participant to take such remedial measures as FTA considers appropriate, or bar the Recipient or Third Party Participant from receiving federal transit assistance.

Section 30. Geographic Information and Related Spatial Data.

The Recipient agrees that each Project or related activity that implements the Award will conform to the Federal Geographic Data Committee's National Spatial Data Infrastructure if the Project or related activity directly or indirectly involves spatial data, or geographic information systems, and it will follow U.S. OMB Circular A-16, "Coordination of Geographic Information and Related Spatial Data Activities," August 19, 2002, and U.S. OMB Circular A-16 Supplemental Guidance, "Geospatial Line of Business," November 10, 2010.

Section 31. Federal "\$1 Coin" Requirements.

The Recipient agrees that it will comply with section 104 of the Presidential \$1 Coin Act of 2005, 31 U.S.C. § 5112(p), its equipment and facilities will be fully capable of accepting and dispensing \$1 coins when coins or currency are required to use that equipment or those facilities, and it will display signs and notices of the \$1 coin capability of its equipment and facilities on its premises, including vending machines, where coins or currency are used.

Section 32. Public Transportation Safety.

- a. Public Transportation Agency Safety Program. In accordance with 49 U.S.C. § 5329, the Recipient agrees to comply with applicable laws, regulations, and requirements and follow applicable guidance that implement the Public Transportation Safety Program provisions of 49 U.S.C. § 5329(b) through (d), except as FTA determines otherwise in writing.
- b. State Safety Oversight of Rail Fixed Guideway Public Transportation Systems. The Recipient agrees as follows:
 - (1) Laws. It will comply with section 20030(e) of MAP-21, which amended 49 U.S.C. § 5329(e) to require states to revise their State Safety Oversight programs to comply with the new MAP-21 requirements.
 - (2) Regulations. Although FTA published FTA regulations, "State Safety Oversight," 49 C.F.R. part 674, effective April 15, 2016, Congress provided states with up to three years following April 15, 2016 to come into full compliance following publication of those regulations. The Recipient agrees that depending on how far it has progressed in developing a State Safety Oversight program that is fully compliant with FTA regulations, "State Safety Oversight," 49 C.F.R. part 674, the following FTA regulations will apply:
 - (a) States With a Fully Compliant Program. The Recipient agrees that FTA regulations, "State Safety Oversight," 49 C.F.R. part 674, will apply when its State Safety Oversight program is fully compliant with FTA's requirements.
 - (b) States Without a Fully Compliant Program. The Recipient agrees that FTA regulations, "Rail Fixed Guideway Systems; State Safety Oversight," 49 C.F.R. part 659, will continue to apply to those states that have not yet implemented a Public Transportation Safety Program that is fully compliant with FTA's requirements.

Section 33. Motor Carrier Safety.

- a. Financial Responsibility. The Recipient agrees to comply and assures that its Third Party Participants will comply with the economic and insurance registration requirements of the:
- (1) U.S. Federal Motor Carrier Safety Administration (U.S. FMCSA) regulations, “Minimum Levels of Financial Responsibility for Motor Carriers,” 49 C.F.R. part 387, if it is engaged in operations requiring compliance with 49 C.F.R. part 387, it is engaged in interstate commerce, and it is not within a defined commercial zone, and
 - (2) The provisions of 49 U.S.C. § 31138(e)(4), which supersede inconsistent provisions of 49 C.F.R. part 387, and also reduce the amount of insurance the Recipient must obtain to the highest amount required by any state in which the public transportation provider operates, if it operates within a public transportation service area located in more than one state, and receives federal assistance under 49 U.S.C. §§ 5307, 5310, and 5311.
- b. U.S. FMCSA Requirements. The Recipient agrees to comply and assures that its Third Party Participants will comply with:
- (1) The safety requirements of U.S. FMCSA regulations, “Federal Motor Carrier Safety Regulations,” 49 C.F.R. parts 390 – 397, to the extent applicable; and
 - (2) The driver’s license requirements of U.S. FMCSA regulations, “Commercial Driver’s License Standards, Requirements, and Penalties,” 49 C.F.R. part 383, and “State Compliance with Commercial Driver’s License,” 49 C.F.R. part 384, to the extent applicable, with the substance abuse requirements and guidance of U.S. FMCSA’s regulations, “Drug and Alcohol Use and Testing Requirements,” 49 C.F.R. part 382, and implementing federal guidance, to the extent applicable.

Section 34. Safe Operation of Motor Vehicles.

- a. Seat Belt Use. The Recipient agrees to implement Executive Order No. 13043, “Increasing Seat Belt Use in the United States,” April 16, 1997, 23 U.S.C. § 402 note, by:
- (1) Adopting and promoting on-the-job seat belt use policies and programs for its employees and other personnel that operate company-owned vehicles, company-rented vehicles, or personally operated vehicles, and
 - (2) Including a “Seat Belt Use” provision in each third party agreement related to the Award.
- b. Distracted Driving, Including Text Messaging While Driving. The Recipient agrees to comply with:
- (1) Executive Order No. 13513, “Federal Leadership on Reducing Text Messaging While Driving,” October 1, 2009, 23 U.S.C. § 402 note,
 - (2) U.S. DOT Order 3902.10, “Text Messaging While Driving,” December 30, 2009,
 - (3) The following U.S. DOT Special Provision pertaining to Distracted Driving:
 - (a) Safety. The Recipient agrees to adopt and enforce workplace safety policies to decrease crashes caused by distracted drivers, including policies to ban text messaging while using an electronic device supplied by an employer, and driving a vehicle the driver owns or rents, a vehicle Recipient owns, leases, or rents, or a

- privately-owned vehicle when on official business in connection with the Award, or when performing any work for or on behalf of the Award,
- (b) Recipient Size. The Recipient agrees to conduct workplace safety initiatives in a manner commensurate with its size, such as establishing new rules and programs to prohibit text messaging while driving, re-evaluating the existing programs to prohibit text messaging while driving, and providing education, awareness, and other outreach to employees about the safety risks associated with texting while driving, and
 - (c) Extension of Provision. The Recipient agrees to include the preceding Special Provision of section 34.b(3)(a) – (b) of this Master Agreement in its third party agreements, and encourage its Third Party Participants to comply with this Special Provision, and include this Special Provision in each third party subagreement at each tier supported with federal assistance.

Section 35. Substance Abuse.

- a. Drug-Free Workplace. The Recipient agrees to:
 - (1) Comply with the Drug-Free Workplace Act of 1988, as amended, 41 U.S.C. § 8103 *et seq.*,
 - (2) Comply with U.S. DOT regulations, “Governmentwide Requirements for Drug-Free Workplace (Financial Assistance),” 49 C.F.R. part 32, and
 - (3) Follow and facilitate compliance with U.S. OMB regulatory guidance, “Governmentwide Requirements for Drug-Free Workplace (Financial Assistance),” 2 C.F.R. part 182, particularly where the U.S. OMB regulatory guidance supersedes comparable provisions of 49 C.F.R. part 32.
- b. Alcohol Misuse and Prohibited Drug Use.
 - (1) Requirements. The Recipient agrees to comply and assures that its Third Party Participants will comply with:
 - (a) Federal transit laws, specifically 49 U.S.C. § 5331,
 - (b) FTA regulations, “Prevention of Alcohol Misuse and Prohibited Drug Use in Transit Operations,” 49 C.F.R. part 655, and
 - (c) Applicable provisions of U.S. DOT regulations, “Procedures for Transportation Workplace Drug and Alcohol Testing Programs,” 49 C.F.R. part 40.
 - (2) Remedies for Non-Compliance. The Recipient agrees that if FTA determines that the Recipient or a Third Party Participant receiving federal assistance under 49 U.S.C. chapter 53 is not in compliance with 49 C.F.R. part 655, the Federal Transit Administrator may bar that Recipient or Third Party Participant from receiving all or a portion of the federal transit assistance for public transportation it would otherwise receive.

Section 36. Protection of Sensitive Security and Other Sensitive Information.

- a. The Recipient agrees to comply with the following requirements for the protection of sensitive security information:

- (1) The Homeland Security Act, as amended, specifically 49 U.S.C. § 40119(b), and U.S. DOT regulations, "Protection of Sensitive Security Information," 49 C.F.R. part 15,
- (2) The Aviation and Transportation Security Act, as amended, 49 U.S.C. § 114(r), and U.S. Department of Homeland Security, Transportation Security Administration regulations, "Protection of Sensitive Security Information," 49 C.F.R. part 1520, and
- (3) U.S. DOT Common Rules, which require the Recipient to implement, and to require its Subrecipients, if any, to implement, reasonable measures to safeguard protected personally identifiable information as well as any information that the FTA or pass-through entity designates as sensitive.

Section 37. Special Notification Requirements for States.

- a. Types of Information. To the extent required under federal law, the State, as the Recipient, agrees to provide the following information about federal assistance awarded for its State Program, Project, or related activities:
 - (1) The Identification of FTA as the federal agency providing the federal assistance for a State Program or Project,
 - (2) The Catalog of Federal Domestic Assistance Number of the program from which the federal assistance for a State Program or Project is authorized, and
 - (3) The amount of federal assistance FTA has provided for a State Program or Project.
- b. Documents. The State agrees to provide the information required under this provision in the following documents: (1) applications for federal assistance, (2) requests for proposals, or solicitations, (3) forms, (4) notifications, (5) press releases, and (6) other publications.

Section 38. Freedom of Information.

- a. Applicability. The Recipient agrees that the Freedom of Information Act (FOIA), 5 U.S.C. § 552, as amended, applies to most information submitted to FTA and U.S. DOT, whether electronically or in typewritten hard copy.
- b. Records. The Recipient agrees that all applications and materials it submits to FTA that are related to its Award have or will become federal agency records, and are or will be subject to FOIA and to public release through individual FOIA requests, unless FTA determines that a valid exemption under FOIA or another statute applies.
- c. Confidentiality. President Obama's "Memorandum for the Heads of Executive Departments and Agencies on the Freedom of Information Act," dated January 21, 2009, directs federal agencies to adopt a presumption that information should generally be disclosed when requested, and therefore the Recipient agrees that:
 - (1) Unless a federal law or regulation requires that a document or other information be withheld, FTA does not consent to withhold information, irrespective of its format, merely because it is accompanied by a "routine" confidentiality statement that may appear on:

- (a) Information about the Award, the accompanying Underlying Agreement, and any Amendments thereto,
 - (b) Information accompanying or supplementing the Award, the accompanying Underlying Agreement, and any Amendments thereto, or
 - (c) Any other information FTA may obtain.
- (2) As provided in federal laws, regulations, requirements, and guidance, FTA will review the information and documents that are the subject of each FOIA request to determine the extent to which FTA must or should exercise its discretion to withhold that information or those documents.
 - (3) Any genuinely confidential or privileged information should be marked clearly and specifically, and justified as confidential or privileged under FOIA standards.

Section 39. Disputes, Breaches, Defaults, or Other Litigation.

- a. FTA Interest. FTA has a vested interest in the settlement of any violation of federal law, regulation, or disagreement involving the Award, the accompanying Underlying Agreement, and any Amendments thereto including, but not limited to, a default, breach, major dispute, or litigation, and FTA reserves the right to concur in any settlement or compromise.
- b. Notification to FTA. If a current or prospective legal matter that may affect the Federal Government emerges, the Recipient must promptly notify the FTA Chief Counsel, or FTA Regional Counsel for the Region in which the Recipient is located.
 - (1) The types of legal matters that require notification include, but are not limited to, a major dispute, breach, default, litigation, or naming the Federal Government as a party to litigation or a legal disagreement in any forum for any reason.
 - (2) Matters that may affect the Federal Government include, but are not limited to, the Federal Government's interests in the Award, the accompanying Underlying Agreement, and any Amendments thereto, or the Federal Government's administration or enforcement of federal laws, regulations, and requirements.
 - (3) If the Recipient has credible evidence that a Principal, Official, Employee, Agent, or Third Party Participant of the Recipient, or other person has submitted a false claim under the False Claims Act, 31 U.S.C. § 3729 *et seq.*, or has committed a criminal or civil violation of law pertaining to such matters as fraud, conflict of interest, bribery, gratuity, or similar misconduct involving federal assistance, the Recipient must promptly notify the U.S. DOT Inspector General, in addition to the FTA Chief Counsel or Regional Counsel for the Region in which the Recipient is located.
- c. Federal Interest in Recovery. The Federal Government retains the right to a proportionate share of any proceeds recovered from any third party, based on the percentage of the federal share for the Underlying Agreement. Notwithstanding the preceding sentence, the Recipient may return all liquidated damages it receives to its Award Budget for its Underlying Agreement rather than return the federal share of those liquidated damages to the Federal Government, provided that the Recipient receives FTA's prior written concurrence.
- d. Enforcement. The Recipient must pursue its legal rights and remedies available under any third party agreement, or any federal, state, or local law or regulation.

Section 40. Amendments to the Underlying Agreement.

- a. When Required. An Amendment to the Underlying Agreement is required under the following circumstances:
- (1) A change in the scope of work or addition of federal assistance to an existing Award (regardless of whether the source of assistance is the same or different);
 - (2) Changes to the scope of work that necessitate a change in the distribution of federal assistance across scope codes or activities; or
 - (3) The Award includes multiple sources of financial assistance and the action requires the addition of a new Scope to a Project.
- b. Process. An amendment to the Underlying Agreement must be submitted through and approved in FTA's Electronic Award Management System, and must meet the same application requirements as a request for a new Award.

Section 41. FTA's Electronic Award Management System.

The Recipient agrees that it will submit its application for an Award, reports, documents, or other required information through FTA's electronic award management system, also known as TrAMS. To submit information, reports, and documents to FTA, any signature submitted in TrAMS must comply with the Electronic Signatures in Global and National Commerce Act (E-Sign Act), Public Law No. 106-229, June 30, 2000, 15 U.S.C. §§ 7001 *et seq.*

Section 42. Information Obtained through Internet Links.

Although this Master Agreement may include electronic links to federal laws, regulations, requirements, and guidance, FTA does not guarantee the accuracy of information accessed through such links. Accordingly, the Recipient understands and agrees that any information obtained through any electronic link within this Master Agreement does not represent an official version of a federal law, regulation, or requirement, and might be inaccurate. Thus, information obtained through such links is neither incorporated by reference nor made part of this Master Agreement. The *Federal Register* and the *Code of Federal Regulations* are the official sources for regulatory information pertaining to the Federal Government.

Section 43. Severability.

The Recipient agrees that if any provision of the Underlying Agreement or any Amendments thereto is determined invalid, then the remaining provisions thereof that conform to federal laws, regulations, requirements, and guidance will continue in effect.

SPECIAL PROVISIONS FOR SPECIFIC PROGRAMS

Section 44. Special Provisions for All Public Transportation Innovation, Technical Assistance or Workforce Development Programs.

- a. Applicability. The Recipient understands and agrees that this section applies to the following programs to which FTA provides federal assistance, including the following programs:
- (1) Programs authorized under 49 U.S.C. § 5312, irrespective of the fiscal year for which the appropriations that supported the Underlying Agreement were authorized,
 - (2) Programs authorized under former 49 U.S.C. § 5313, irrespective of the fiscal year for which the appropriations that supported the Underlying Agreement were authorized,
 - (3) Programs authorized under 49 U.S.C. § 5314, irrespective of the fiscal year for which the appropriations that supported the Underlying Agreement were authorized,
 - (4) Programs authorized by the repealed section 3045 of SAFETEA-LU,
 - (5) Programs authorized under repealed section 3046 of SAFETEA-LU, and
 - (6) Other similar Programs for which FTA awards federal assistance under 49 U.S.C. §§ 5312 or 5314, as amended by the FAST Act, or other authorizing legislation.
- b. Provisions for Underlying Agreements for Public Transportation Innovation or Technical Assistance and Workforce Development Awards. The Recipient agrees that the following provisions will apply to the Underlying Agreement for a Public Transportation Innovation or Technical Assistance and Workforce Development Project or related activities:
- (1) Report. The Recipient agrees that in addition to any other Report FTA may require, the Recipient will prepare and submit to FTA a Report of each Project and related activities that describes the subject (or subjects) investigated, the methods used, the results, and the conclusions reached, is satisfactory, sufficiently organized, well-written, and comprehensive.
 - (2) Disclaimer. The Report must contain the following disclaimer:

This document is disseminated under the sponsorship of the United States Department of Transportation, Federal Transit Administration, in the interest of information exchange. The United States government assumes no liability for the contents or use thereof.

The United States government does not endorse products or manufacturers. Trade or manufacturers' names appear herein solely because they are considered essential to the contents of the report.
 - (3) Format. The Report must comply with the accessibility requirements of Section 508 of the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 794d, and U.S. ATBCB regulations, "Electronic and Information Technology Accessibility Standards," 36 C.F.R. part 1194, and the specific publication elements and report style guide at http://www.fta.dot.gov/research/program_requirements. The Report must identify clearly and precisely any specific information or data that is confidential, privileged, or proprietary that is contained within any report or document.
 - (4) Publication. Except for confidential, privileged, or proprietary information in the Report, FTA may publish the Report, and make it available for publication on the Internet or in any other venue.
 - (5) Identification of Federal Assistance. The Recipient agrees that:

- (a) It will display notice on any product developed with federal assistance for 49 U.S.C. § 5312 that the U.S. Department of Transportation, Federal Transit Administration provided federal assistance to support the development of the product that is tangible and is produced from, or is a result of, a Project, is a deliverable, and visible to the public, or is or will be made available to other research organizations, or public transportation providers, and consists of equipment, a prototype, hardware, construction, reports, data, software, internet pages, or any similar item.
 - (b) The notice will be given using an appropriate sign, designation, or notice.
- c. Special Disposition Provision. In addition to other disposition provisions, FTA may vest title in tangible personal property used in the conduct of basic or applied scientific research in a nonprofit institution of higher education or in a nonprofit organization whose primary purpose is conducting scientific research, provided the requirements of 31 U.S.C. § 6306 are met.
 - d. Protection of Human Subjects. The Recipient agrees to comply with protections for human subjects involved in a Project or related activities supported through the Underlying Agreement as required by the National Research Act, as amended, 42 U.S.C. § 289 *et seq.*, and U.S. DOT regulations, "Protection of Human Subjects," 49 C.F.R. part 11.
 - e. Protection of Animals. The Recipient agrees to comply with the protections for animals involved in a Project or related activities, as required by the Animal Welfare Act, as amended, 7 U.S.C. § 2131 *et seq.*, and U.S. Department of Agriculture regulations, "Animal Welfare," 9 C.F.R. parts 1, 2, 3, and 4.
 - f. Export Control. The Recipient understands and agrees that before exporting any information that is subject to federal export requirements, it must first obtain the necessary federal license(s), and comply with the federal export control regulations of the U.S. Department of Commerce, Bureau of Industry and Security, "Export Administration Regulations," specifically, 15 C.F.R. parts 730 *et seq.*, U.S. Department of State, U.S. Department of the Treasury, and U.S. Department of Defense.

Section 45. Special Provisions for the State Safety Oversight Grant Program.

- a. Applicability. The Recipient agrees that this section applies to any State Safety Oversight Grant Program Award, the accompanying Underlying Agreement, and any Amendments thereto, supported with federal assistance for 49 U.S.C. § 5329(e)(6).
- b. Federal Laws, Regulations, Requirements, and Guidance. In administering any State Safety Oversight Grant Program Award under 49 U.S.C. § 5329(e)(6), as amended by the FAST Act, the Recipient agrees to comply with the following:
 - (1) 49 U.S.C. § 5329(e)(6), as amended by the FAST Act,
 - (2) 49 U.S.C. § 5330, which is repealed three (3) years after the effective date of the final FTA State Safety Oversight regulations required under 49 U.S.C. § 5329(e), as amended by the FAST Act and section 20021(b) of MAP-21,

- (3) 49 C.F.R. part 659, until those regulations are repealed or superseded by regulations that FTA promulgates in the future that implement 49 U.S.C. § 5329(e) as amended by the FAST Act,
 - (4) Other applicable federal laws, regulations, and requirements, and the Underlying Agreement and any Amendments thereto, and all other applicable provisions of this Master Agreement, and
 - (5) Applicable federal guidance, including the most recent FTA Notice of Availability for federal assistance made available for the State Safety Oversight Grant Program authorized by MAP-21, to the extent that its provisions are consistent with applicable requirements of 49 U.S.C. chapter 53, and other applicable federal laws, regulations, requirements, and guidance.
- c. Other Special Provisions for State Safety Oversight Grant Program. The Recipient agrees that federal assistance for the State Safety Oversight Grant Program will be used to develop or carry out its State Safety Oversight Grant Program for purposes of coming into compliance with 49 U.S.C. §§ 5329(e)(3) and 5329(e)(4), including the establishment of a State Safety Oversight Agency (SSOA) that:
- (1) Has an appropriate staffing level that is commensurate with the number, size, and complexity of the rail fixed guideway public transportation systems that the Recipient oversees,
 - (2) Requires its employees and other designated personnel of the SSOA who are responsible for rail fixed guideway public transportation safety oversight to be qualified to perform such functions through appropriate training, including successful completion of the public transportation safety certification training program when established under 49 U.S.C. § 5329(c), and
 - (3) Is prohibited from receiving federal assistance from any public transportation agency that the SSOA oversees pursuant to 49 U.S.C. § 5329(e)(4).

Section 46. Special Provisions for the State Infrastructure Bank (SIB) Program.

- a. Federal Laws, Regulations, Requirements, and Guidance. The State, as the Recipient, agrees to administer its Underlying Agreement to support its SIB consistent with federal laws, regulations, requirements, and guidance, including, but not limited to:
- (1) Title 23, U.S.C. (Highways), specifically 23 U.S.C. § 610, to the extent required under the FAST Act, and other applicable federal legislation,
 - (2) Federal transit laws, specifically 49 U.S.C. § 5323(o), which requires compliance with 49 U.S.C. §§ 5307, 5309, and 5337 for Underlying Agreements to which MAP-21 and the FAST Act apply,
 - (3) Section 350 of the National Highway System Designation Act of 1995, as amended, (NHS Act), 23 U.S.C. § 101 note, to the extent this section has not been superseded by 23 U.S.C. § 610,
 - (4) Any federal law enacted or federal regulation or requirements promulgated at a later date applicable to the Underlying Agreement,
 - (5) All other applicable federal guidance that may be issued,
 - (6) The terms and conditions of any U.S. DOL certification(s) of employee protective arrangements,

- (7) The SIB Cooperative Agreement establishing the SIB in the state, signed by the Executive Director of the Build America Bureau, the Federal Transit Administrator, authorized state official(s) or their authorized designees, and if applicable, the administrator (or designee) for any other federal modal agency that the State wishes to include in its SIB, and
 - (8) The FTA Grant Agreement providing federal assistance for the Underlying Agreement in support of its SIB, except that any provision of this Master Agreement that would otherwise apply to a SIB Project does not apply to the Underlying Agreement if it conflicts with any other federal law or regulation applicable to a SIB, federal SIB Guidelines, the SIB Cooperative Agreement, or the Underlying Agreement, or the Underlying Agreement, but the conflicting provision of this Master Agreement will prevail, however, if FTA expressly determines so in writing.
- b. Limitations on Accessing Federal Assistance in the Transit Account. The Recipient understands that the total amount of federal assistance awarded under the Grant Agreement to be supported with SIB deposits may not be available for immediate withdrawal. The State and the Recipient agree to restrict the amount of federal assistance it withdraws from its SIB to an amount not exceeding the limits specified in its Grant Agreement in support of the SIB or the Award Budget for that Grant Agreement.

Section 47. Special Provisions for the TIFIA Program.

- a. Federal Laws, Regulations, Requirements, and Guidance. The Recipient agrees to administer any Underlying Agreement financed with federal credit assistance authorized by the Transportation Infrastructure Finance and Innovation Act (TIFIA), as amended, as required under:
- (1) Title 23, U.S.C. (Highways), specifically 23 U.S.C. §§ 601 – 609, to the extent required under the FAST Act, and other applicable federal legislation,
 - (2) Federal transit laws, more specifically 49 U.S.C. § 5323(o), which requires compliance with 49 U.S.C. §§ 5307, 5309, and 5337 for any Underlying Agreement to which 49 U.S.C. chapter 53 apply,
 - (3) Section 350 of the National Highway System Designation Act of 1995, as amended,
 - (4) Joint U.S. DOT and FTA regulations, “Credit Assistance for Surface Transportation Projects,” 49 C.F.R. parts 80 and 640 that have not been superseded by the FAST Act, or any other statute in effect and that applies to the matter at issue, and
 - (5) Any federal statute signed into laws and regulations promulgated at a later date that would affect the Underlying Agreement.
- b. Default. The Recipient agrees that FTA may declare the Recipient in violation of the Master Agreement if it has defaulted on a TIFIA Loan, Loan Guarantee, Line of Credit, or Master Credit Agreement, and that default has not been cured within 90 days.
- c. Order of Precedence. Any provision of this Master Agreement that is applicable to the Recipient’s Underlying Agreement for TIFIA assistance and Recipient, but that conflicts with the laws, regulations, and requirements identified in this section, will not apply to the

Recipient's TIFIA Loan, Loan Guarantee, Line of Credit, or Master Credit Agreement, unless FTA determines otherwise in writing.

Section 48. Special Provisions for the Joint FTA – FRA Program.

- a. General Legal Requirements. When both FTA and the U.S. Federal Railroad Administration (FRA) make federal assistance available for the same Underlying Agreement, the Recipient understands and agrees that it will administer the Underlying Agreement to achieve maximum compliance with FTA's statutory and regulatory requirements, FRA's statutory and regulatory requirements, and other federal statutory requirements.
- b. Disadvantaged Business Enterprises.
 - (1) The Recipient acknowledges and understands that the statutory and regulatory provisions relating to disadvantaged business enterprises (DBE) differ significantly between FTA and FRA, including Section 1101(b) of the FAST Act (23 U.S.C. § 101 note) and U.S. DOT regulations, "Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs," 49 C.F.R. part 26, both of which apply to FTA, but not to FRA.
 - (2) FRA is not authorized to use FTA's DBE regulations, and consequently the Recipient agrees to comply with the statutory and regulatory DBE provisions that apply to federal assistance provided by FTA when using that federal assistance for purchases.
 - (3) The Recipient agrees to use the "contracting with small and minority firms, women's business enterprise" provisions of the applicable U.S. DOT Common Rules.
- c. Buy America. The Recipient agrees that statutory and regulatory Buy America provisions that apply to federal assistance authorized for FTA differ from those that apply to federal assistance authorized for FRA. Therefore, the Recipient agrees that:
 - (1) It must comply with FTA's statutory and regulatory Buy America provisions to the extent that the purchases are for a Project or related activities that implement the Underlying Agreement,
 - (2) It must comply with FRA's statutory and regulatory Buy America provisions, specifically section 301(a) of the Passenger Rail Investment and Improvement Act of 2008 (PRIIA), Pub L. 110-432, October 16, 2008, and 49 U.S.C. § 24405(a), to the extent that the purchases are required to comply with FRA Buy America requirements, and
 - (3) If it uses federal assistance authorized for FTA and for FRA to finance a purchase, the Recipient agrees that it must comply with both FTA's and FRA's requirements.
- d. Force Account – Procurement. The Recipient agrees that FTA deems section 16.k of this Master Agreement to be satisfied for work that is performed by the railroad's force account employees if a Project or related activities are being conducted on the property of a railroad, and under the railroad's collective bargaining agreements with its employees, certain work to be performed for the Recipient must be performed by force account employees.
- e. Procurement of Rolling Stock. The Recipient agrees that if FRA requires the Recipient to acquire any rolling stock for the Underlying Agreement from the Next Generation Corridor

- Equipment Pool Committee that has been established under section 305 of PRIIA, FTA deems section 15 of this Master Agreement to be satisfied.
- f. Use of Real Property, Equipment, and Supplies. The Recipient agrees that application of section 19 of this Master Agreement is reserved.
 - g. Davis-Bacon. The Recipient agrees that, as provided in 49 U.S.C. § 24312, wages paid to railroad employees at rates provided in a collective bargaining agreement negotiated under the Railway Labor Act, 45 U.S.C. § 151 *et seq.*, are deemed to comply with the requirements of the Davis-Bacon Act, 40 U.S.C. § 3141 *et seq.*, and satisfy section 24 of this Master Agreement.
 - h. Employee Protective Arrangements. The Recipient agrees to pass down to a railroad employee subject to the Railway Labor Act, 45 U.S.C. § 151 *et seq.*, protective arrangements as provided in a special Attachment to FTA's Grant Agreement or Cooperative Agreement with the Recipient, and not pass down employee protective arrangements as provided in section 24 of this Master Agreement.
 - i. Motor Carrier Safety. The Recipient agrees that railroad signal employees and their employers must comply with the hours of service requirements of 49 U.S.C. § 21104, *see* 49 U.S.C. § 21104(e), and FRA's hours of service regulation, specifically 49 C.F.R. part 228, and Section 31 of this Master Agreement does not apply to railroad signal employees concerning hours of service.
 - j. Railroad Safety. The Recipient agrees that a railroad subject to FRA's safety jurisdiction must comply with the federal railroad safety laws.

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APPENDIX A

TRIBAL TRANSIT PROGRAM – APPLICABLE PROVISIONS

FTA recognizes that several provisions of the Master Agreement generally applicable to other programs do not apply to the Tribal Transit Programs or the Indian Tribes that are the Direct Recipients of federal assistance under those Programs. The following sections of the Master Agreement are not applicable to the Tribal Transit Programs:

Section 14.a(1) & 14.b – Private Enterprise

Section 22.e – Relocation and Real Property

Section 27 – State Management and Monitoring Systems

Section 30 – Geographic Information and Related Spatial Data

Section 37 – Special Notification Requirement for States

However, this list is not intended to be comprehensive and FTA may determine that other provisions are applicable depending upon the Underlying Agreement for the Tribal Transit.