



GRANT SUBRECIPIENT CONTRACT

EXHIBIT A

1. PROJECT DESCRIPTION

The City of Emeryville (“City”), in partnership with Alameda-Contra Costa Transit District (“AC Transit” also referred to as “Subrecipient”) and Emeryville Transportation Management Authority (“ETMA”), is proposing to expand upon its existing Transit Signal Priority (“TSP”) systems by deploying new and upgraded TSP infrastructure at signalized intersections along project corridors utilized by AC Transit and ETMA buses.

TSP is a low-cost, mature operational strategy that facilitates the movement of transit buses through signalized intersections to improve transit reliability. Intersections that already have legacy infrared (IR) phase selectors will be upgraded to multimode phase selectors supporting IR and GPS-based TSP, and new multimode phase selectors will be procured and installed at locations that currently do not have existing TSP equipment. New GPS-based vehicle equipment will be procured by AC Transit and ETMA for installation on buses that utilize the project corridors.

The City will request support from its on-call traffic engineering consultant to provide technical support in updating the TSP settings and timing parameters for the traffic signals on the project corridors. By collaborating together, the City and both transit operators will achieve comprehensive benefits for users of all modes along the City roadways.

2. SERVICES

Intersections that already have legacy infrared (IR) phase selectors will be upgraded to multimode phase selectors supporting IR and GPS-based TSP, and new multimode phase selectors will be procured and installed at locations that currently do not have existing TSP equipment. New GPS-based vehicle equipment will be procured by AC Transit and ETMA for installation on buses that utilize the project corridors.

- 1) City will hire Global Traffic Technologies (“GTT”) to procure and install all equipment identified as Field Equipment in the Summary of Equipment below.
- 2) AC Transit will hire GTT to procure and install all equipment identified as AC Transit equipment in the Summary of Equipment below.
- 3) ETMA will hire GTT to procure and install all equipment identified as ETMA equipment in the Summary of Equipment below.

The **Summary of Equipment** to be procured and installed is as follows:

- Field Equipment
 - GTT Model 3100 GPS Radio Unit (GPS Receiver w Antenna & cables)
 - GTT Model 768 AIP Multimode Auxiliary Interface Panel

- GTT Model 764 Multimode Phase Selector
- GTT GPS 1070 Cable (Field - Signal/Intersection)

- AC Transit Equipment
 - GTT GPS Preemption Vehicle Kit
 - Model 2101 Low Priority GPS Vehicle Control Unit, Model 1050 GPS/Radio Antenna, and Model 2171 GPS Vehicle Interface Cable (complete kit with wiring block)
 - GTT ASM Model 4010 Conditional Priority Units (Vehicle Computer)
 - GTT ASM Automated Schedule Management Software
 - GTT ASM & CMS Software maintenance (1st year)
 - GTT TSP Bus Equipment Installs

- ETMA Equipment
 - GTT GPS Preemption Vehicle Kit
 - Model 2101 Low Priority GPS Vehicle Control Unit, Model 1050 GPS/Radio Antenna, and Model 2171 GPS Vehicle Interface Cable (complete kit with wiring block)
 - GTT ASM Model 4010 Conditional Priority Units (Vehicle Computer)
 - GTT ASM Automated Schedule Management Software
 - GTT ASM & CMS Software maintenance (1st year)
 - GTT TSP Bus Equipment Installs

3. PERFORMANCE CRITERIA

Staff from each agency will manage the separate contracts with GTT, oversee procurement, and oversee installation services. Staff from City of Emeryville will oversee installation of equipment at the intersections and will manage the overall summary of invoices to report back to Metropolitan Transportation Commission (“MTC”).

Within ninety (90) calendar days of the end of the Project or June 30, 2021, whichever is earlier, the Subrecipient will submit a report, which must contain the following:

- The actual grant-funded Project expenditures.
- A description of the completed Project.

3.1 Time for Performance

The Services by Subrecipient are to commence on the “Effective Date” of the Grant Subrecipient Contract and shall continue in full force and effect through and including June 30, 2021, or until completed, whichever occurs first.

4. BUDGET

Approximately \$356,504 in project funds have been approved for the purchase and installation of TSP Equipment as part of the IDEA Grant Funding Agreement between

the City and MTC. The estimated distribution of these funds can be summarized as follows:

- **Equipment for City**
 - Field Equipment = \$77,685
 - \$5,179.00 per intersection (15 intersections)
 - 15% cash match from City = \$11,652.75
- **Equipment for AC Transit**
 - Bus Equipment = \$209,114
 - \$6,970.47 per bus (30 buses)
 - 15% cash match from AC Transit = \$31,367.10
- **Equipment for ETMA**
 - Bus Equipment = \$69,705
 - \$6,970.50 per bus (10 buses)
 - 15% cash match from ETMA = \$10,455.75
- **TOTAL PROJECT BUDGET = \$356,504**

5. DISBURSEMENT OF FUNDS

Subject to the availability of funding from MTC and acceptance of Project completion from City of Emeryville, AC Transit, and ETMA, the City shall disburse Project Funds in an amount that is equal to 85% of the Project's eligible costs (as determined by Exhibit B and Exhibit C) incurred by AC Transit, which is estimated to be One Hundred Seventy Seven Thousand, Seven Hundred and Forty Seven Dollars (\$177,747) shall be disbursed in this manner:

- **Passthrough IDEA funds from City to AC Transit**
 - **Reimbursement of 85% of eligible project costs**
- **Passthrough IDEA funds from City to ETMA**
 - **Reimbursement of 85% of eligible project costs**
- **IDEA Project funds from MTC to City**
 - **Reimbursement of 85% of eligible project costs**

The City may grant additional funds at its discretion for use by the Contractor to assure the successful completion of the Project or Services. Any additional funds contributed to the Project budget will be subject to the 15% local cash match requirements for all parties.

Notwithstanding anything to the contrary in this Contract, the City's obligation hereunder to provide Project Funds to AC Transit for the purpose of reimbursing AC Transit for its qualified costs and expenses shall be fully contingent upon the availability of funding under the Master Agreement and Supplement and the allowability of AC Transit invoiced costs and expenses. In the event City or MTC finds any of AC Transit's costs

or expenses to be non-allowable, AC Transit shall be solely liable for such costs or expenses and must return any Project Funds expended on such non-allowable costs or expenses to City within thirty (30) days of notification by the City. Allowable expenses will be the expenses defined in Exhibit B, Supplement No. 1 – IDEA Category 2 Deployment Agreement between MTC and City of Emeryville.