

**Metropolitan Transportation Commission
Regional Network Management Committee**

April 11, 2025

Agenda Item 4b

Transportation System Management Contract Actions:

- i. Cooperative Agreement - Interstate 80 (I-80) Fiber Communications Infrastructure Improvements: California Department of Transportation (Caltrans) (\$2,000,000)**
 - ii. Contract - Regional Traffic Camera System Maintenance Services: ICx Transportation Group, Inc. (ICx) (\$420,000)**
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Subject:

- i. Request to enter into a cooperative agreement with Caltrans for an amount not to exceed \$2,000,000 for Caltrans to construct I-80 Fiber Communications Infrastructure Improvements.
- ii. Request for approval of a contract with ICx for an amount not to exceed \$420,000 for regional traffic camera system maintenance services.

Background:

i. MTC and Caltrans have worked together to develop a regional communications infrastructure framework and identify opportunities to incorporate key regional communications segments with larger regional, State Highway Operation and Protection Program (SHOPP)-funded fiber projects that Caltrans is delivering to promote efficient delivery and cost savings. This cooperative agreement establishes the roles of MTC and Caltrans, expectations, and funding contributions for the construction phase of one such Caltrans SHOPP project that will incorporate installation of new fiber cable and conduit along a critical segment of I-80 between the San Francisco Oakland Bay Bridge (SFOBB) toll plaza and State Route 13/Ashby Ave. Construction of this segment will close a significant gap in the system by connecting fiber lines from I-80, I-580 and I-980 to the Caltrans Transportation Management Center (TMC).

The project advances the vision established by the Bay Area Regional Broadband Communications Strategic Investment Plan (2019), presented to the MTC Operations Committee in October 2019, of a robust and reliable regional communication network that will enable data and information sharing and facilitate the implementation of technology-based congestion management strategies. As an important corridor connecting I-80, I-580 and I-980, I-80 (Alameda County) was identified as a priority to help build connectivity around the Bay.

MTC and Caltrans have agreed that the total contribution amount to incorporate this regional fiber communications segment into the larger SHOPP project will be fixed, and MTC will not be responsible for any cost increases.

ii. MTC has had a long-standing partnership with Caltrans District 4, focused on improving San Francisco Bay Area freeway operations and incident management. This partnership includes MTC's procurement and management of contracts that provide critical support for Transportation Management Center (TMC)-related services, including regional highway traffic camera maintenance.

Under a sole source contract with MTC, ICx has provided traffic camera system and maintenance services since 2008. MTC retained ICx to support the Caltrans District 4 legacy regional camera system while Caltrans worked toward implementing a new advanced traffic management system. During this contract period, ICx provided scheduled and on-call system maintenance support services necessary to maintain connectivity for the regional highway traffic camera system and for traffic management. The regional traffic camera system requires ongoing technical support to minimize downtime and maintain traffic camera field-to-center connectivity especially given the aging software and hardware housing the current cameras.

ICx has considerable institutional knowledge of the traffic camera system and provides responsive on-call and on-site support. If maintenance support is unavailable, a system fault could significantly disrupt the TMC's management of the highway network, including approaches leading to and from the seven Bay Area Toll Authority-maintained bridges, and diminish MTC's Express Lane operators' ability to monitor traffic on I-680 and I-880 using Caltrans-operated cameras.

Staff recommend that ICx provide regional highway traffic camera support until Caltrans successfully launches their new advanced transportation management system, which is estimated to be operational in Caltrans District 4 in 2028. To allow some flexibility should there be any unintended delay in Caltrans' software roll-out, staff recommends an initial three-year contract for \$315,000, with the possibility of a one-year extension at \$105,000—for a four-year contract total not to exceed amount of \$420,000.

ICx is neither a small business nor a disadvantaged business enterprise and has no subcontractors for this project.

Attachment A includes a summary of ICx and its project team's small business and disadvantaged business enterprise status.

Issues:

None identified.

Recommendations:

- i. Staff recommends that the Regional Network Management Committee authorize the Executive Director or designee to negotiate and enter into a cooperative agreement with the California Department of Transportation, in an amount not to exceed \$2,000,000, for construction of I-80 Fiber Communications Improvements.
- ii. Staff recommends that the Regional Network Management Committee authorize the Executive Director or designee to negotiate and enter into a contract with ICx Transportation Group, Inc. to provide regional traffic camera system maintenance support services for an initial three-year term totaling \$315,000, with the option of a one-year extension at \$105,000—for a four-year contract total not to exceed amount of \$420,000.

Attachments:

- Attachment A: Disadvantaged Business Enterprise and Small Business Enterprise Status
- Attachment B: Request for Committee Approval – Summary of Proposed Cooperative Agreement
- Attachment C: Request for Committee Approval – Summary of Proposed Contract



Andrew B. Fremier

Attachment A - Disadvantaged Business Enterprise and Small Business Enterprise Status

	Firm Name	Role on Project	DBE* Yes / No	If DBE Yes, List #	SBE** Yes / No	If SBE Yes, List #
Prime Contractor	ICx Transportation Group	Project Management	No		No	
Subcontractor	None	None				

*Denotes certification by the California Unified Certification Program (CUCP).

**Denotes certification by the State of California.

Request for Committee Approval

Summary of Proposed Cooperative Agreement

Work Item No.: 1223

Consultant: California Department of Transportation
Sacramento, CA

Work Project Title: Cooperative Agreement for Interstate 80 (I-80) Fiber Communications Infrastructure Improvements – Construction Phase

Purpose of Project: Cooperative agreement with Caltrans to establish MTC funding contribution for the construction phase of the project

Brief Scope of Work: Construction of I-80 Fiber Communications Infrastructure Improvements

Project Cost Not to Exceed: \$2,000,000 fixed amount for MTC funding contribution

Funding Source: Surface Transportation Program (STP) for cooperative agreement

Fiscal Impact: \$2,000,000 is programmed in the 2025 Transportation Improvement Program (TIP). Caltrans will obligate the federal grant funds per this cooperative agreement. There is no impact to the MTC budget.

Motion by Committee: That the Executive Director or designee is authorized to negotiate and enter into a cooperative agreement with Caltrans to complete the I-80 Communications Infrastructure Improvements – construction phase as described above and in the Regional Network Management Committee Summary Sheet dated April 11, 2025.

Regional Network
Management Committee:

Alicia John-Baptiste, Chair

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Approved: April 11, 2025

Request for Committee Approval

Summary of Proposed Contract

Work Item No.:	1223
Consultant:	ICx Transportation Group, Inc. Honolulu, HI
Work Project Title:	Regional Traffic Camera System Maintenance Services
Purpose of Project:	Provide online and on-site maintenance support services for the regional traffic camera system.
Brief Scope of Work:	Provide technical diagnostics, and online and on-site maintenance services for the regional traffic camera system.
Project Cost Not to Exceed:	Total not to exceed: \$420,000. Initial contract term will be three years with a budget of \$315,000, with the option for a one-year extension at \$105,000 for a total not to exceed amount of \$420,000.
Funding Source:	BATA Rehabilitation Program funds
Fiscal Impact:	\$420,000 is included in the Fiscal Year 2024-25 BATA Rehabilitation Program budget.
Motion by Committee:	That the Executive Director or designee is authorized to negotiate and enter into a contract with ICx Transportation Group, Inc. for regional traffic camera system maintenance services as described above and in the Regional Network Management Committee Summary Sheet dated April 11, 2025 and that the Chief Financial Officer is authorized to set aside \$420,000 for such contract.
Regional Network Management Committee:	<hr/> Alicia John-Baptiste, Chair
Approved:	April 11, 2025

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