

# **OPERATIONS AND MAINTENANCE AGREEMENT between State of California Department of Transportation and the Alameda-Contra Costa Transit District for Installation, Operation, and Maintenance of Transit Signal Priority System**

## **I. INTRODUCTION:**

This is an Agreement between the State of California, Department of Transportation (CALTRANS) and Alameda – Contra Costa Transit District (AC TRANSIT), covering installation, operation and maintenance responsibilities for the transit signal priority (TSP) system at certain CALTRANS-owned traffic signals identified in Exhibit A-1. This document outlines the intentions and policies of the parties involved. It is not intended to authorize funding or project effort.

## **II. PURPOSE AND BACKGROUND:**

AC TRANSIT desires to synchronize CALTRANS traffic signals identified in Exhibit A-1 with adjacent local public entity-owned traffic signals on the involved transportation corridors. AC TRANSIT and the involved local public entities will enter into a cooperative agreement for the transit signal priority (TSP) system, but the involved local public entities are not part of this Agreement.

## **III. EQUIPMENT INSTALLED IN CALTRANS RIGHT-OF-WAY:**

CALTRANS owns the right-of-way and all new equipment installed in CALTRANS right-of-way, in perpetuity, except Transit Signal Priority (TSP) equipment. See attached Exhibit A-1 for a listing of new equipment installed on CALTRANS facilities. Exhibit A-1 may be revised at any time by mutual written consent of CALTRANS and AC TRANSIT. Exhibit A-2 lists all CALTRANS traffic signal locations where AC TRANSIT previously installed TSP equipment. The traffic signals listed in Exhibit A-2 are still under each of their own respective Agreement provided in Exhibit A-2.

## **NOW THEREFORE, IT IS AGREED AS FOLLOWS:**

## **IV. TERMS OF MAINTENANCE:**

1. CALTRANS will maintain all equipment located in the CALTRANS's right-of-way, at the locations identified in Exhibit A-1, with the exception of TSP equipment which will be provided by AC TRANSIT.
2. CALTRANS will temporarily disable TSP equipment if a quick repair is not possible. CALTRANS will resume operation when a repair is complete.
3. CALTRANS will notify AC TRANSIT and the involved local public entities within forty-eight (48) hours regarding any changes to the TSP systems. AC TRANSIT understands that workload and staffing factors may affect the actual amount of time prior to notification. In cases of

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emergencies, CALTRANS will notify the involved local public entities and AC TRANSIT as soon as practicable.

4. AC TRANSIT will provide necessary TSP equipment to support maintenance of TSP system, and all associated cables and equipment after the initial deployment.
5. AC TRANSIT will only access the CALTRANS' facilities with a CALTRANS' representative from either the Electrical Maintenance or Traffic Operations units present. Contact information will be provided. AC Transit shall notify at least forty-eight (48) hours in advance of need to access the CALTRANS' facilities.
6. Nothing in the provisions of this Agreement is intended to create duties or obligations to or rights in any third party beneficiaries of this Agreement, including, but not limited to, any of the involved local public entities, or to affect the legal liability of either AC TRANSIT or CALTRANS by imposing any standard of care respecting the maintenance of State highways different from the standard of care imposed by law.
7. AC TRANSIT shall clearly mark, label, and identify all equipment and cables associated with the TSP systems.
8. AC TRANSIT shall provide and maintain a laminated printed list in cabinet for CALTRANS Maintenance personnel to follow in event of incident or problems with TSP equipment, including how to disconnect/disable equipment. AC TRANSIT emergency maintenance contact information shall also be provided.

**V. TERMS OF INTERSECTION OPERATION:**

Unless otherwise specified herein, all traffic signal timing settings including those associated with TSP shall remain as configured by CALTRANS. AC TRANSIT will submit TSP equipment parameters to CALTRANS for pre-approval. Any changes to the signal settings shall be made exclusively by, or as directed by CALTRANS. Any requests for changes to signal or adaptive system settings desired by AC TRANSIT shall be submitted to CALTRANS for approval. In the event that the TSP system exacerbates congestion and queuing conditions, CALTRANS will temporarily disable the system and resume normal operations while under review. The following responsibilities have been identified and agreed upon by both parties:

**VI. MUTUALLY AGREED:**

1. Equipment and devices shall be reviewed and approved by CALTRANS prior to installation.
2. AC TRANSIT will maintain an inventory of at least one TSP replacement unit for all CALTRANS intersections.
3. AC TRANSIT shall not alter, adjust, modify, remove, replace, disconnect, activate, or deactivate CALTRANS equipment without written authorization from CALTRANS. AC TRANSIT is not authorized to access the CALTRANS's facilities without a CALTRANS representative present.

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4. CALTRANS shall respond to all malfunctions of the TSP system, CALTRANS may, without prior notice, temporarily deactivate TSP equipment remotely or locally at any time if problems appear that are suspected to be caused or exacerbated by TSP. CALTRANS will make a reasonable effort to notify AC TRANSIT within forty-eight (48) hours regarding any changes to the TSP system as soon as possible, prior to action if feasible. AC TRANSIT understands that workload and staffing factors may affect the actual amount of time prior to notification. Care shall be taken to ensure Emergency Vehicle Preemption (EVP) system is not affected by turning off TSP system.
5. FACILITIES DAMAGE: CALTRANS shall provide emergency response and replace/restore all CALTRANS equipment to proper operation. CALTRANS will deactivate and disconnect and remove any damaged TSP equipment, if necessary. CALTRANS will make a reasonable effort to notify AC TRANSIT and the involved local public entities within forty-eight (48) hours regarding any damage to TSP system or failure of TSP system components. AC TRANSIT understands that workload and staffing factors may affect the actual amount of time prior to notification.
6. The parties shall work together in the spirit of good faith and cooperation to successfully implement this Agreement. To the extent there are disagreements between CALTRANS and AC TRANSIT, those disagreements shall immediately be raised between the parties. Prior to initiating any legal action, the parties hereto agree to meet in good faith to attempt to resolve any dispute.
7. This Agreement shall commence as of the date signed by both CALTRANS and AC TRANSIT and shall continue in effect until CALTRANS and AC TRANSIT reach a mutually agreeable date for termination of the Agreement.

**VII. HOLD HARMLESS:**

Neither CALTRANS nor any officer or employee thereof is responsible for any injury, damage or liability occurring by reason of anything done or omitted to be done by AC TRANSIT under or in connection with any work, authority or jurisdiction conferred upon AC TRANSIT under this Agreement. It is understood and agreed that AC TRANSIT will fully defend, indemnify, and save harmless CALTRANS and all its officers and employees from all claims, suits, or actions of every name, kind and description brought forth under, including, but not limited to, tortious, contractual, inverse condemnation or other theories or assertions of liability occurring by reason of anything done or omitted to be done by AC TRANSIT under this Agreement.

Neither AC TRANSIT nor any officer or employee thereof is responsible for any injury, damage or liability occurring by reason of anything done or omitted to be done by CALTRANS, under or in connection with any work, authority or jurisdiction conferred upon CALTRANS under this Agreement. It is understood and agreed that CALTRANS will fully defend, indemnify, and save harmless AC TRANSIT and all its officers and employees from all claims, suits, or actions of every name, kind and description brought forth under, including, but not limited to, tortious, contractual, inverse condemnation or other theories or assertions of liability occurring by reason of anything done or omitted to be done by CALTRANS under this Agreement.

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**IN WITNESS WHEREOF** the parties have executed this Agreement on the dates indicated below, the latest of which shall be deemed the effective date of this Agreement.

**State of California Department of Transportation**

**(CALTRANS)**

Signed by:

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S. Sean Nozzari,  
District Deputy Director, Traffic Operations  
District 4  
Department of Transportation

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Date

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**Alameda – Contra Costa Transit District**

**(AC TRANSIT)**

Signed by:

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Michael Hursh  
General Manager

Date

Approved as to form and content:

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Jill A. Sprague  
General Counsel for AC Transit

Date

**OPERATIONS AND MAINTENANCE AGREEMENT between State of California Department of Transportation and the Alameda-Contra Costa Transit District for Installation, Operation, and Maintenance of Transit Signal Priority System**

**Exhibit A-1: Caltrans Signalized Intersections with New TSP Equipment Installed (Phase Selector, Auxillary Panel, GPS Radio Antenna, cabling and associated accessories)**

NO.	LOCATION			OWNED	MAINTAINED (IF DIFFERENT FROM OWNED)	PROJECT
	Intersection Name	City	County			
1	San Pablo Ave/Adeline St/MacArthur Blvd	Emeryville	Alameda	Caltrans	-	Rapid Corridors Project
2	San Pablo Ave/40th St	Emeryville	Alameda	Caltrans	-	Rapid Corridors Project
3	San Pablo Ave/Park Ave	Emeryville	Alameda	Caltrans	-	Rapid Corridors Project
4	San Pablo Ave/45th St	Emeryville	Alameda	Caltrans	-	Rapid Corridors Project
5	San Pablo Ave/47th St	Emeryville	Alameda	Caltrans	-	Rapid Corridors Project
6	San Pablo Avenue/53rd St	Emeryville	Alameda	Caltrans	-	Rapid Corridors Project
7	San Pablo Ave/Stanford Ave	Oakland	Alameda	Caltrans	City of Oakland	Rapid Corridors Project
8	San Pablo Ave/63rd St	Oakland	Alameda	Caltrans	City of Oakland	Rapid Corridors Project
9	San Pablo Ave /Alcatraz Ave	Oakland	Alameda	Caltrans	City of Oakland	Rapid Corridors Project
10	San Pablo Ave/65th St	Oakland	Alameda	Caltrans	-	Rapid Corridors Project
11	San Pablo Ave/67th St	Oakland	Alameda	Caltrans	-	Rapid Corridors Project
12	San Pablo Ave/Ashby Ave (SR 13)	Berkeley	Alameda	Caltrans	City of Berkeley	Rapid Corridors Project
13	San Pablo Ave/Heinz Ave	Berkeley	Alameda	Caltrans	City of Berkeley	Rapid Corridors Project
14	San Pablo Ave/Grayson St	Berkeley	Alameda	Caltrans	City of Berkeley	Rapid Corridors Project
15	San Pablo Ave/Dwight Way	Berkeley	Alameda	Caltrans	City of Berkeley	Rapid Corridors Project
16	San Pablo Ave/Bancroft Way	Berkeley	Alameda	Caltrans	City of Berkeley	Rapid Corridors Project
17	San Pablo Ave/Allston Way	Berkeley	Alameda	Caltrans	City of Berkeley	Rapid Corridors Project
18	San Pablo Ave/Addison St	Berkeley	Alameda	Caltrans	City of Berkeley	Rapid Corridors Project
19	San Pablo Ave/University Ave	Berkeley	Alameda	Caltrans	City of Berkeley	Rapid Corridors Project
20	San Pablo Ave/Delaware St	Berkeley	Alameda	Caltrans	City of Berkeley	Rapid Corridors Project
21	San Pablo Ave/Cedar St	Berkeley	Alameda	Caltrans	City of Berkeley	Rapid Corridors Project
22	San Pablo Ave/Gilman St	Berkeley	Alameda	Caltrans	City of Berkeley	Rapid Corridors Project
23	San Pablo Ave/Dartmouth St (PHB)	Albany	Alameda	Caltrans	-	Rapid Corridors Project
24	San Pablo Ave/Monroe St	Albany	Alameda	Caltrans	-	Rapid Corridors Project
25	San Pablo Ave/Marin Ave	Albany	Alameda	Caltrans	-	Rapid Corridors Project
26	San Pablo Ave/Buchanan St	Albany	Alameda	Caltrans	-	Rapid Corridors Project
27	San Pablo Ave/Solano Ave	Albany	Alameda	Caltrans	-	Rapid Corridors Project
28	San Pablo Ave/Washington Ave	Albany	Alameda	Caltrans	-	Rapid Corridors Project
29	San Pablo Ave/Clay St	Albany	Alameda	Caltrans	-	Rapid Corridors Project
30	San Pablo Ave/Brighton Ave	Albany	Alameda	Caltrans	-	Rapid Corridors Project
31	San Pablo Ave/Carlson Blvd	Albany	Contra Costa	Caltrans	-	Rapid Corridors Project
32	San Pablo Ave/Fairmont Ave	El Cerrito	Contra Costa	Caltrans	-	Rapid Corridors Project
33	San Pablo Ave/Central Ave	El Cerrito	Contra Costa	Caltrans	-	Rapid Corridors Project
34	San Pablo Ave/Stockton Ave	El Cerrito	Contra Costa	Caltrans	-	Rapid Corridors Project
35	San Pablo Ave/Moser Lane	El Cerrito	Contra Costa	Caltrans	-	Rapid Corridors Project
36	San Pablo Ave/Schmidt Lane	El Cerrito	Contra Costa	Caltrans	-	Rapid Corridors Project
37	San Pablo Ave/Manila Ave/Bayview Ave	El Cerrito	Contra Costa	Caltrans	-	Rapid Corridors Project
38	San Pablo Ave/Potrero Ave	El Cerrito	Contra Costa	Caltrans	-	Rapid Corridors Project
39	San Pablo Ave/Hill St/ East shore Blvd	El Cerrito	Contra Costa	Caltrans	-	Rapid Corridors Project
40	San Pablo Ave/Cutting Blvd	El Cerrito	Contra Costa	Caltrans	-	Rapid Corridors Project
41	W. Grand Ave/Maritime St	Oakland	Alameda	Caltrans	-	Rapid Corridors Project
42	W. Grand Ave/I- 880 Ramps/Frontage Rd	Oakland	Alameda	Caltrans	-	Rapid Corridors Project
43	Powell St/Frontage Road (I-80 EB)	Emeryville	Alameda	Caltrans	-	Rapid Corridors Project
44	Powell St/Frontage Road (I-80 WB)	Emeryville	Alameda	Caltrans	-	Rapid Corridors Project
45	Ashby Ave/7th St	Berkeley	Alameda	Caltrans	City of Berkeley	Rapid Corridors Project
46	Ashby Ave/9th St	Berkeley	Alameda	Caltrans	City of Berkeley	Rapid Corridors Project
47	Buchanan St/I-80 WB	Albany	Alameda	Caltrans	-	Rapid Corridors Project
48	Buchanan St/I-80 EB	Albany	Alameda	Caltrans	-	Rapid Corridors Project
49	Carlson Blvd/I-80 EB	Richmond	Contra Costa	Caltrans	-	Rapid Corridors Project
50	Carlson Blvd/I-80 WB	Richmond	Contra Costa	Caltrans	-	Rapid Corridors Project
51	Central Ave/San Luis St/ Pierce St	Richmond	Contra Costa	Caltrans	-	Rapid Corridors Project

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NO.	LOCATION			OWNED	MAINTAINED (IF DIFFERENT FROM OWNED)	PROJECT
	Intersection Name	City	County			
52	Central Ave/I-80 WB	Richmond	Contra Costa	Caltrans	-	Rapid Corridors Project
53	Central Ave/I-80 EB	Richmond	Contra Costa	Caltrans	-	Rapid Corridors Project
54	Cutting Blvd/I-80 HOV	El Cerrito	Contra Costa	Caltrans	-	Rapid Corridors Project
55	Cutting Blvd/I-80 WB	Richmond	Contra Costa	Caltrans	-	Rapid Corridors Project
56	Potrero Ave/I-80 EB	El Cerrito	Contra Costa	Caltrans	-	Rapid Corridors Project
57	McBryde Ave/I-80 WB /Humboldt St	Richmond	Contra Costa	Caltrans	-	Rapid Corridors Project
58	McBryde Ave/Amador St	Richmond	Contra Costa	Caltrans	-	Rapid Corridors Project
59	San Pablo Dam Road/I-80 WB	San Pablo	Contra Costa	Caltrans	-	Rapid Corridors Project
60	San Pablo Dam Road/I-80 EB	San Pablo	Contra Costa	Caltrans	-	Rapid Corridors Project
61	El Portal Dr/I-80 WB	San Pablo	Contra Costa	Caltrans	-	Rapid Corridors Project
62	El Portal Dr/I-80 EB	Richmond	Contra Costa	Caltrans	-	Rapid Corridors Project
63	Telegraph Ave/Ashby Ave	Berkeley	Alameda	Caltrans	City of Berkeley	Rapid Corridors Project
64	Telegraph Ave/56th St	Oakland	Alameda	Caltrans	City of Oakland	Rapid Corridors Project
65	Telegraph Ave/Aileen St	Oakland	Alameda	Caltrans	City of Oakland	Rapid Corridors Project
66	Decoto Rd/I-880 NB Ramp	Fremont	Alameda	Caltrans	-	Dumbarton IDEA Project
67	Decoto Rd/I-880 SB Ramp	Fremont	Alameda	Caltrans	-	Dumbarton IDEA Project
68	Ardenwood Blvd/SR-84 WB Ramps	Newark	Alameda	Caltrans	-	Dumbarton IDEA Project
69	Ardenwood Blvd/SR-84 EB Ramps	Newark	Alameda	Caltrans	-	Dumbarton IDEA Project
70	University Ave/Bayfront Expressway	Menlo Park	San Mateo	Caltrans	-	Dumbarton IDEA Project
71	Willow Rd/Bayfront Expressway	Menlo Park	San Mateo	Caltrans	-	Dumbarton IDEA Project
72	Willow Rd/Hamilton Ave	Menlo Park	San Mateo	Caltrans	-	Dumbarton IDEA Project
73	Willow Rd/Ivy Dr	Menlo Park	San Mateo	Caltrans	-	Dumbarton IDEA Project
74	Willow Rd/O'Brien Dr	Menlo Park	San Mateo	Caltrans	-	Dumbarton IDEA Project
75	Willow Rd/Newbridge St	Menlo Park	San Mateo	Caltrans	-	Dumbarton IDEA Project
76	Willow Rd/Bay Rd	Menlo Park	San Mateo	Caltrans	-	Dumbarton IDEA Project
77	Willow Rd/US 101 NB Off Ramp	Menlo Park	San Mateo	Caltrans	-	Dumbarton IDEA Project
78	Willow Rd/US 101 SB Off Ramp	Menlo Park	San Mateo	Caltrans	-	Dumbarton IDEA Project

NOTES:

TSP equipment includes: GTT GPS 764 phase selector, 768 Auxillary Panel, and GPS radio antenna, cabling, and associated accessories.

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**Exhibit A-2: Other Caltrans Signalized Intersections with Pre-existing GPS TSP Equipment (Phase Selector, Auxillary Panel, GPS Radio Antenna, cabling and associated accessories)**

NO.	LOCATION			OWNED	AGREEMENT (A)	PROJECT
	Intersection Name	City	County			
1	International Blvd/High St	Oakland	Alameda	Caltrans	1	BRT
2	International Blvd/45th Ave	Oakland	Alameda	Caltrans	1	BRT
3	International Blvd/46th Ave	Oakland	Alameda	Caltrans	1	BRT
4	International Blvd/50th Ave	Oakland	Alameda	Caltrans	1	BRT
5	International Blvd/52nd Ave	Oakland	Alameda	Caltrans	1	BRT
6	International Blvd/53rd Ave	Oakland	Alameda	Caltrans	1	BRT
7	International Blvd/54th Ave	Oakland	Alameda	Caltrans	1	BRT
8	International Blvd/55th Ave	Oakland	Alameda	Caltrans	1	BRT
9	International Blvd/57th Ave	Oakland	Alameda	Caltrans	1	BRT
10	International Blvd/58th Ave	Oakland	Alameda	Caltrans	1	BRT
11	International Blvd/Seminary Ave	Oakland	Alameda	Caltrans	1	BRT
12	International Blvd/62nd Ave	Oakland	Alameda	Caltrans	1	BRT
13	International Blvd/64th Ave	Oakland	Alameda	Caltrans	1	BRT
14	International Blvd/66th / Havenscourt Blvd	Oakland	Alameda	Caltrans	1	BRT
15	International Blvd/67th Ave	Oakland	Alameda	Caltrans	1	BRT
16	International Blvd/69th Ave	Oakland	Alameda	Caltrans	1	BRT
17	International Blvd/72nd Ave	Oakland	Alameda	Caltrans	1	BRT
18	International Blvd/73rd Ave/Hegenberger Rd	Oakland	Alameda	Caltrans	1	BRT
19	International Blvd/77th Ave	Oakland	Alameda	Caltrans	1	BRT
20	International Blvd/78th Ave	Oakland	Alameda	Caltrans	1	BRT
21	International Blvd/81st Ave	Oakland	Alameda	Caltrans	1	BRT
22	International Blvd/82nd Ave	Oakland	Alameda	Caltrans	1	BRT
23	International Blvd/85th Ave	Oakland	Alameda	Caltrans	1	BRT
24	International Blvd/86th Ave/Auseon Ave	Oakland	Alameda	Caltrans	1	BRT
25	International Blvd/88th Ave	Oakland	Alameda	Caltrans	1	BRT
26	International Blvd/90th Ave	Oakland	Alameda	Caltrans	1	BRT
27	International Blvd/92nd Ave	Oakland	Alameda	Caltrans	1	BRT
28	International Blvd/94th Ave	Oakland	Alameda	Caltrans	1	BRT
29	International Blvd/96th Ave	Oakland	Alameda	Caltrans	1	BRT
30	International Blvd/98th Ave	Oakland	Alameda	Caltrans	1	BRT
31	International Blvd/99th Ave	Oakland	Alameda	Caltrans	1	BRT
32	International Blvd/100th Ave	Oakland	Alameda	Caltrans	1	BRT
33	International Blvd/102nd Ave	Oakland	Alameda	Caltrans	1	BRT
34	International Blvd/103rd Ave/104th Ave	Oakland	Alameda	Caltrans	1	BRT
35	International Blvd/105th Ave	Oakland	Alameda	Caltrans	1	BRT
36	E 14th St/Bristol Blvd	San Leandro	Alameda	Caltrans	1	BRT
37	E 14th St/Durant Ave	San Leandro	Alameda	Caltrans	1	BRT
38	E 14th St/Farrelly Dr	San Leandro	Alameda	Caltrans	1	BRT
39	E 14th St/W Broadmoor Blvd	San Leandro	Alameda	Caltrans	1	BRT
40	E 14th St/Euclid Ave/CherryWood Ave	San Leandro	Alameda	Caltrans	1	BRT
41	E 14th St/Dutton Ave/Best Ave	San Leandro	Alameda	Caltrans	1	BRT
42	E 14th St/Haas Ave	San Leandro	Alameda	Caltrans	1	BRT
43	E 14th St/Hays St/Chumalia St	San Leandro	Alameda	Caltrans	1	BRT
44	E 14th St/Callan Ave/Davis St	San Leandro	Alameda	Caltrans	1	BRT
45	Davis St/Hays St	San Leandro	Alameda	Caltrans	1	BRT
46	Davis St/San Leandro Blvd	San Leandro	Alameda	Caltrans	1	BRT



SR No. 22-038  
Att. 1.

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NO.	LOCATION			OWNED	AGREEMENT (A)	PROJECT
	Intersection Name	City	County			
47	Hesperian Blvd at I-800 NB Off-ramp	Unincorporated	Alameda	Caltrans	2	Line 97
48	Hesperian Blvd at SR 92 WB Ramps	Hayward	Alameda	Caltrans	2	Line 97
49	Hesperian Blvd at SR 92 Ramp	Hayward	Alameda	Caltrans	2	Line 97
50	Alvarado-Niles Rd at I-880 SB Ramps	Union City	Alameda	Caltrans	2	Line 97
51	Alvarado-Niles Rd at I-880 NB Ramps	Union City	Alameda	Caltrans	2	Line 97
52	Webster St/Willie Stargell Ave	Alameda	Alameda	Caltrans		

**NOTES:**

**(A) Agreement**

1. Operations and Maintenance Agreement with Alameda-Contra Costa Transit District for Bus Rapid Transit Facilities on State Routes 112 and 185
2. Operations Agreement Between State Of California and AC Transit for Design, Construction, Operations and Maintenance Of the South Alameda County Major Corridors Travel Time Improvement Project

TSP equipment includes: GTT GPS 764 phase selector, 768 Auxillary Panel, and GPS radio antenna, cabling, and associated accessories.