



**Board Report**

**File #:** 2022-0413, **File Type:** Contract

**Agenda Number:** 16.

**FINANCE, BUDGET AND AUDIT COMMITTEE  
SEPTEMBER 14, 2022**

**SUBJECT: CRENSHAW/LAX (K LINE) AND REGIONAL CONNECTOR FARE COLLECTION EQUIPMENT MAINTENANCE SUPPORT SERVICES, CUBIC TRANSPORTATION SYSTEMS, INC.**

**ACTION: APPROVE CONTRACT MODIFICATION**

**RECOMMENDATIONS**

AUTHORIZE the Chief Executive Officer to:

- A. EXECUTE Modification No. 155.01 to Contract No. OP02461010-MAINT with Cubic Transportation Systems, Inc., (Cubic) for maintenance support services of fare collection equipment at Metro stations related to the Crenshaw/LAX (K Line) Transit Project and Regional Connector Project, in the amount of \$1,054,539 from \$383,998,282 to \$385,052,821; and
- B. NEGOTIATE the contract modification value based on final Revenue Operation Dates of both projects in an amount not-to-exceed \$200,000 above \$1,054,539.

**ISSUE**

The current maintenance support services agreement for all in service fare collection equipment is effective until December 31, 2024. With construction nearing conclusion for the Crenshaw/LAX (K Line) and Regional Connector projects, services need to be procured to provide support and maintenance services along the new transit lines. Fare collection equipment deployment locations are shown in Attachment D.

**BACKGROUND**

The original Contract No. OP02461010 was awarded on March 7, 2002, and the support service contract was renewed by the Board in June 2013 for an additional six (6) years, and again in April 2019 for an additional five (5) years. The current services agreement ensures the continuous performance of all TAP equipment data and software, including fare collection devices, sales units, the central computer system, operational support services, asset management, and back-office systems.

TAP has grown significantly over the years; TAP is now accepted on 26 transit agencies including,

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but not limited to, Culver CityBus, Foothill Transit, Long Beach Transit, Norwalk Transit, Santa Monica Big Blue Bus, Torrance Transit, and Angels Flight. TAP fare media can be purchased at over 1,500 vendor locations throughout Los Angeles County including Los Angeles County libraries, aboard Metro buses, on the TAP mobile app, online at *taptogo.net*, and at 101 rail stations and major bus stops.

## **DISCUSSION**

The current maintenance support services contract with Cubic is in effect until December 31, 2024.

The projected maintenance cost for Crenshaw/LAX (K Line) Transit Project and Regional Connector Project is as follows: Crenshaw/LAX (K Line) - \$244,935 in FY23, \$335,407 in FY24, and \$170,386 in mid-FY25; Regional Connector - \$42,610 in FY23, \$173,210 in FY24 and \$87,991 in mid-FY25 - for a total of \$1,054,539 as requested in the Recommendation.

## **FINANCIAL IMPACT**

The fiscal year 2023 funding requirement in the amount of \$287,545 is included in Cost Center 5440 Revenue Collection. As this is a multi-year contract, the Senior Executive Officer of TAP and the Executive Officer of TAP/Revenue Collection are responsible for budgeting all future year budget requirements.

### **Impact to Budget**

The maintenance cost will be funded by operating eligible funds, which are available to Metro bus and rail operations.

## **EQUITY PLATFORM**

The inclusion of support services for Crenshaw/LAX (K Line) and Regional Connector fare collection equipment will provide an equitable benefit for all Metro riders as they use the equipment to travel along the new transit stations. The installed equipment must be maintained daily and preventative measures will be taken to ensure a seamless transit experience that is standard to all rail lines.

## **IMPLEMENTATION OF STRATEGIC PLAN GOALS**

Including the maintenance support services for the new equipment on the Crenshaw/ LAX (K Line) and Regional Connector stations would support:

- Strategic Plan Goal #1: Deliver outstanding trip experiences for all users of the transportation system by improving legibility, ease of use, and trip information on the transit system.
- Strategic Plan Goal #2: Make data driven decisions that reinforce a culture of safety, fiscal sustainability, adherence to schedules and timelines, maintenance of our assets, improvements to our processes, and the formulation of partnerships, while honestly evaluating our progress and clearly communicating the results.

## **ALTERNATIVES CONSIDERED**

The Board may choose not to approve the contract modification to include the maintenance support services for Crenshaw/LAX (K Line) and Regional Connector. This is not recommended as the fare collection equipment requires daily and scheduled maintenance and are necessary for a positive customer experience and to provide patrons with access to TAP cards and fare media.

## **NEXT STEPS**

Upon approval by the Board, staff will execute Modification No. 155.01 to Contract OP02461010-Maint with Cubic Transportation Systems, Inc. for the maintenance support services of fare collection equipment at the Crenshaw/LAX (K Line) and Regional Connector Metro stations.

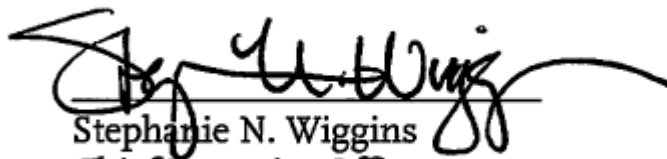
The current contract expires on December 31, 2024. Metro staff is just beginning discussions about the future of fare collection in Los Angeles County.

## **ATTACHMENTS**

Attachment A - Procurement Summary  
Attachment B - Contract Modification/Change Order Log  
Attachment C - DEOD Summary  
Attachment D - Fare Collection Deployment Locations

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Stephanie N. Wiggins  
Chief Executive Officer

## PROCUREMENT SUMMARY

## UNIVERSAL FARE SYSTEM, SUPPORT SERVICES/OP02461010-MAINT

1.	<b>Contract Number:</b> OP02461010-MAINT		
2.	<b>Contractor:</b> Cubic Transportation Systems, Inc.		
3.	<b>Mod. Work Description:</b> Maintenance of fare gate equipment at Crenshaw/LAX (Line K) and Regional Connector		
4.	<b>Contract Work Description:</b> Universal Fare System		
5.	<b>The following data is current as of 8/22/2022</b>		
6.	<b>Contract Completion Status</b>		<b>Financial Status</b>
	<b>Contract Awarded:</b>	2/20/2002	<b>Contract Award Amount:</b> \$84,003,444
	<b>Notice to Proceed (NTP):</b>	3/7/2002	<b>Total of Modifications Approved:</b> \$299,994,838
	<b>Original Complete Date:</b>	9/1/2007	<b>Pending Modifications (including this action):</b> \$1,054,539
	<b>Current Est. Complete Date:</b>	12/31/2024	<b>Current Contract Value (with this action):</b> \$385,052,821
7.	<b>Contract Administrator:</b> Anush Beglaryan		<b>Telephone Number:</b> (213) 418-3047
8.	<b>Project Manager:</b> Tisha Bruce		<b>Telephone Number:</b> (213) 922-7621

**A. Procurement Background**

This Board Action is to approve Modification No.155.01 to add fare collection equipment related to Crenshaw/LAX (K Line) Transit Project and Regional Connector Project to the existing Support Services Contract, in order to maintain continuous support of the Universal Fare Collection System.

This Modification will be processed in accordance with Metro's Acquisition Policy and the contract type is firm fixed price.

On February 20, 2002, Contract No. OP02461010 was awarded by Metro's Board to Cubic Transportation Systems, Inc. (Cubic). The Board renewed the Support Services Contract in June 2013 for an additional six (6) years, and again in April 2019 for an additional five (5) years. The Contract provides a countywide fare collection system and ongoing system support to serve Metro's public transit customers. Cubic developed and maintains the NextFare software application and related databases which is the core technology used by Metro to manage the bus and rail equipment and devices that make up the Transit Access Pass (TAP) network. The current Support Services Contract ensures the continuous performance of all TAP equipment data and software including the integrated fare

collection system (sales, access, and system management of the fare gates and Ticket Vending Machines (TVMs)).

Please refer to Attachment B – Contract Modification/Change Order Log.

**B. Cost/Price Analysis**

The recommended price has been determined to be fair and reasonable based on staff's price analysis, technical evaluations, and negotiations.

<b>Proposal Amount</b>	<b>Metro ICE</b>	<b>Negotiated Amount</b>
\$1,054,539	\$1,054,539	<b>\$1,054,539</b>

## CONTRACT MODIFICATION/CHANGE ORDER LOG

## UNIVERSAL FARE SYSTEM / OP02461010

Mod. No.	Description	Status	Date	Amount
1	Table X-1 Milestone Changes	Approved	8/19/2002	\$0.00
2	Ticket Vending Machine Soft Keys	Approved	9/4/2002	\$0.00
3	San Fernando Valley BRT, Additional Quantities	Approved	4/13/2004	\$7,454,844
4	Modification to General Conditions	Approved	10/8/2002	\$0.00
5	TVM Third Coin Hopper	Approved	8/22/2003	\$416,858
6	Stand Alone Validator Video Clips	Approved	3/3/2003	\$0.00
7	Gold Line Functional Test Waiver	Approved	2/13/2003	\$0.00
8	Languages Supported	Approved	2/13/2004	\$0.00
9	Modifications to Compensation & Payment	Approved	2/20/2003	\$0.00
10	Smart Card to Smart Card Value Transfer	Approved	3/3/2003	\$0.00
11	SCADA Cable Installation on Gold Line	Approved	3/3/2003	\$48,476
12	Gold Line Functional Test Waivers	Approved	4/8/2003	\$0.00
13	Farebox Coin Dejam	Approved	4/8/2003	\$0.00
14	Change in Milestone Schedule	Approved	4/16/2003	\$0.00
15	Time Extension, Gold Line	Approved	7/1/2003	\$0.00
16	Change from Datastream MP5 to Express Metrix	Approved	7/1/2003	\$0.00
17	Final Design Review, changes in CDRLS	Approved	7/18/2003	\$0.00
18	Deletion of Printer from Handheld Validator	Approved	1/6/2004	-\$35,252
19	Variable Message Sign	Approved	2/19/2004	\$243,828
20	Changes to Compensation and Payment	Approved	4/7/2004	\$0.00
21	PCMCIA Card Slot use for WAN	Approved	4/13/2004	\$0.00
22	Data Transmission System	Approved	6/22/2004	\$675,000
23	Mifare Card Initialization and Verification	Approved	6/8/2004	\$9,629
24	Farebox Mounting Adapter for NABI Buses	Approved	7/9/2004	\$32,485
25	Provide Regional CDCS	Approved	2/25/2005	\$5,348,335
25.01	Regional CDCS Overhead Rate Adjustment	Approved	1/17/2007	-\$31,621
25.02	Regional CDCS Acceptance Test Participants	Approved	8/7/2008	\$0.00
26	Remove Requirement for Focus Groups	Approved	12/20/2004	-\$111,704
27	Farebox Rotation	Approved	1/4/2005	\$74,967

**ATTACHMENT B**

28	Metro Gold Line Eastside Extension, Fare Equipment	Approved	7/25/2006	\$3,808,722
29	Stainless Steel Panels for TVM Alcoves	Approved	4/25/2005	\$45,521
30	Data Communication Cabling for Orange Line	Approved	6/10/2005	\$41,560
31	(Not Used)			
32	Additional Spare Part Quantities for Eastside Ext.	Approved	7/25/2005	\$15,480
33	Mifare Card Functionality on UFS	Approved	8/15/2005	\$33,105
34	Revisions to Project Schedule	Approved	10/26/2000	\$0.00
35	OCU Mount	Approved	11/15/2005	\$87,634
36	(Not Used)			
37	Deductive Change for Line 1.36	Approved	4/6/2007	-\$33,116
38	Installation of Third TVM and Relocation of Two SAVs and Blue Line Willow Station	Approved	7/6/2006	\$10,084
39	Upgrade the CDCS System from IB SSA Disk Storage Subsystem to Fiber Disk	Approved	10/2/2006	\$20,000
40	UFS Equipment for Expo Line	Approved	2/16/2007	\$5,197,204
41	(Not Used)			
42	(Not Used)			
43	HHV, PMOS and CPOS Interim Maintenance Deductive Change	Approved	2/16/2007	-\$162,628
44	UFS Additional Quantities for Contracted Services	Approved	2/16/2007	\$2,499,916
45	Replace Go-Cards with Mi-Fare Cards	Approved	2/16/2008	-\$1,157,850
46	Relocation of Data Probes and Receive Vaults at Division 7	Approved	4/9/2007	\$29,787
47	Revisions to US Base and Regional Manuals for Release to ACS	Approved	4/23/2007	\$46,000
48	Expo Line, Pico Station Infrastructure	Approved	7/18/2007	\$18,542
49	Relocation of UFS Lab Equipment	Approved	6/2/2008	\$106,905
50	Expo 7 <sup>th</sup> and Metro Additional Infrastructure	Approved	8/30/2007	\$81,719
50.01	Expo 7 <sup>th</sup> and Metro Infrastructure Deductive change	Approved	8/30/2007	-\$30,173
51	Handheld Validator Holster	Approved	10/16/2007	\$6,184
52	Installation and Testing of Farebox at Transportation Concepts	Approved	3/6/2008	\$16,091
53	Relocate OCUs on Ford Cutaways and MST Buses at Contracted Services	Approved	5/14/2008	\$79,170
54	Installation of one Farebox and Testing for two Fareboxes at Contracted Services	Approved	5/27/2008	\$18,842

**ATTACHMENT B**

55	UFS Quantity Adjustments	Approved	10/9/2008	\$0.00
56	Contracted Bus Service Equipment Change	Approved	12/3/2008	\$36,704
57	Installation and Acceptance Testing of One Farebox at First Transit	Approved	12/19/2008	\$3,040
58	Provide UFS Equipment for Expo from Culver City to Venice/Robertson Aerial Station	Approved	3/4/2009	\$304,246
59	Regional CDCS Electrical Power Reconfiguration	Approved	2/9/2009	\$17,186
60	Rail Equipment Warranty and Bus Equipment Warranty	Approved	2/19/2009	\$0.00
61	TAP Enables Turnstile Fare Gates for Rail Stations	Approved	4/9/2009	\$10,000,000
62	Provide UFS Equipment for Expo Truesdale Station	Approved	3/4/2009	\$284,167
63	System Support Services	Approved	6/8/2010	\$33,988,558
63.01	SSS, Additional Costs	Approved	3/22/2013	\$677,631
63.02	SSS, Orange Line Credits	Approved	3/22/2013	-\$58,243
63.04	SSS, One-year Extension	Approved	3/22/2013	\$8,148,263
64	\$5 Dollar Bill handling Unit for Fareboxes and TVMs	Approved	7/27/2009	\$304,658
65	Installation of Additional SAVs for Eastside Extension	Approved	1/4/2010	\$34,077
66	Relocation of Wing Gate at MRL Wilshire/Normandie Station	Approved	2/2/2010	\$18,905
67	(Not Used)	Approved		
68	UFS Equipment for Orange Line Extension	Approved	11/2/2010	\$2,749,476
68.01	Transfer Maintenance Dollars to 63.01	Approved	1/25/2013	-\$677,631
68.02	UFS Equipment for Orange Line Extension, Credits	Approved	3/22/2013	-\$10,982
69	Additional TVM at Aviation Greenline Station	Approved	4/2/2010	\$13,031
70	TAP Card Physical Testing	Approved	4/28/2010	\$41,844
70.01	TAP Card Physical Testing	Approved	3/22/2013	\$12,658
71	Concession Light Functionality	Approved	6/30/2010	\$96,726
72	(Not Used)	Approved		
73	API Test Server Imaging	Approved	9/9/2010	\$45,024
74	Contract Services Relocation	Approved	11/1/2010	\$33,854
75	Limited Function Sales Office Terminals, Increase Quantity	Approved	2/15/2011	\$993,795
76	CISCO ASA Acquisition and Implementation for API Test and Production Servers	Approved	2/28/2011	\$59,209
77	Cubic LU Key Installation	Approved	3/3/2011	\$69,097



**ATTACHMENT B**

78	Updates Farebox Configuration to Support ARUB Wireless Security Data Transfer	Approved	3/3/2011	\$40,204
79	Relocation of UFS Test Lab Equipment	Approved	4/25/2011	\$80,911
80	7 Byte UID Support	Approved	4/20/2011	\$362,069
81	Fare Gate Fencing Installation Modifications, North Hollywood and Avalon Stations	Approved	4/25/2011	\$24,004
82	Additional TVM at Hollywood/Western Redline Station	Approved	4/25/2011	\$15,531
83	Purchase Drive Control Unit Light Validators DCU-LV	Approved	4/25/2011	\$363,492
84	Install TVMs at Three Metro customer Centers	Approved	6/6/2011	\$386,680
85	Cubic Modification to Gate Software/Locking Commands	Approved	6/29/2011	\$111,188
86	UFS Equipment for Expo Phase I Farmdale Station	Approved	7/26/2011	\$415,184
87	Relocation of TVMs at the Green Line Long Beach Station	Approved	8/25/2011	\$15,909
88	Mobile Validator Non-Recurring Engineering System Development	Approved	10/12/2011	\$611,677
89	Expo Pico Station North Platform TVM/SAV Work	Approved	3/5/2012	\$17,592
90	Deletion of Contract Line Items 1.03, 1.04 & 1.33	Approved	2/15/2012	-\$20,622
91	Orange Line Installation of 12 Metro Provided SAVs	Approved	2/15/2012	\$34,483
92	(Not Used)			
93	(Not Used)			
94	System Support Services, Six Year Extension	Approved	7/1/2013	\$55,000,000
94.01	(Not Used)			
94.02	System Support Services for Expo II and Foothill Extension	Approved	3/2/2015	\$1,152,749
94.03	Maintenance Support Services for 54 TVMs	Approved	4/14/16	\$838,211
95	UFS Equipment Storage Costs	Approved	6/13/2012	\$4,129
96	Faregating, Three Additional Swing Gates	Approved	2/4/2013	\$44,611
97	Green Line Faregating Additional Fire Key Switches at Vermont Station	Approved	4/1/2013	\$8,392
98	Emergency Swing Gate Upgrades	Approved	4/15/2013	\$252,145
99	Removal of TVM from Wilshire/LaBrea Customer Center	Approved	10/8/2013	\$4,883
100	Supplying and Supporting a Turn Key Mobile Validator System	Approved	7/1/2013	\$2,996,113

**ATTACHMENT B**

101	Bus Division Vault Relocation	Approved	8/1/2013	\$995,940
102	Install One TVM at East Portal Customer Service Center and One at Culver City Station	Approved	10/8/2013	\$252,905
103	El Monte Bus Facility TVMs	Approved	10/15/2013	\$474,753
104	Fare Gate Consoles for Expo 2, Colorado/4 <sup>th</sup> Street Station	Approved	5/26/2014	\$380,000
105	TVM and SAV Relocations	Approved	12/16/2013	\$1,456,632
106	Modification to Nextfare to Allow for Segregation of Facility Specific Data	Approved	1/29/2014	\$647,869
107	Passback Modification	Approved	2/18/2014	\$70,301
108	UFS PCI Compliance	Approved	10/23/2014	\$9,015,319
109	Service Provider Support	Approved	6/14/2014	\$66,777
110	Autoload Segregation by Muni	Approved	6/30/2014	\$111,707
111	SAV Three Distinct Tones	Approved	8/4/2014	\$46,634
112	Modify TAP Vending Machine to Improve Purchases	Approved	8/4/2014	\$250,000
113	ADA TVM Upgrades for CN No. 162 and 150 Replacement TVMs	Approved	8/5/2014	\$416,815
114 A	UFS Equipment for Gold Line Foothill Extension	Approved	8/25/2014	\$1,878,756
114 B	UFS Equipment for Expo Phase	Approved	8/25/2014	\$3,783,200
115	FBX External Interface Spec Changes	Approved	8/19/2014	\$20,488
116	Willowbrook Station Blue Line SAVs	Approved	11/19/2014	\$62,882
117	TAP-In, TAP-In, Transfer Gate	Approved	11/19/2014	\$88,598
118	Virtual Gate Arrangement of SAVs at Gold Line Union Station Entrance	Approved	11/19/2014	\$84,964
119	Conversion of Expo 1 Aerial Stations to Fare Gates	Approved	3/2/2015	\$3,077,952
120	Change in Service Level Agreement for TVM & GC Network Additions at No Cost	Approved	3/2/2015	\$0
121	Emergency Swing Gate External Alarm Mode	Approved	11/19/2014	\$0
122	Installation of Colorado & 4 <sup>th</sup> Faregates & ESGs	Approved	3/2/2015	\$163,143
123	OCDC Replacement Equipment Software and Installation	Approved	5/12/2015	\$681,068
124	Expo One Claim No. 1 Settlement	Approved	5/26/2015	\$19,648
125	UFS Global Network, Change for Credit/Debit Processing at TVM	Approved	5/12/2015	\$52,735
126	Metrolink Integration Support	Approved	5/12/2015	\$56,073
127	Metro Network Assistance	Approved	5/12/2015	\$48,758
128	Division 13 Bus Operations TVMs	Approved	5/12/2015	\$99,401
129	Fare Equipment Changes at MRL North Hollywood Station	Approved	5/12/2015	\$577,401

**ATTACHMENT B**

130	Installation of Additional TVM at MRL Civic Center Station North Entrance	Approved	7/15/2015	\$21,593
131	Relocate One TVM From Hawthorne to Hollywood	Approved	9/2/2015	\$31,983
132	Service Provider Support – Deductive Change (Mod 109)	Approved	6/13/2015	-\$66,777
133	Additional Emergency Swing Gate for Expo 2	Approved	6/3/2015	\$10,970
134	Metrolink Support for LU Encoding	Approved	10/7/2015	\$13,666
135	Emergency Swing Gate Hinge Post Substitution at Expo 2 Bundy Station – No Cost Change	Approved	10/21/2015	\$0
136	Relocation of TVMs at MGL Artesia Station	Pending		\$0
137	(Not Used)			
138	Vertiba Support (Salesforce – CRM)	Approved	8/20/2015	\$9,671
139	Regional Inter Agency Transfer Policy Change	Approved	1/21/2015	\$435,000
139.01	Regional Inter Agency Transfer (IAT) Policy Change	Approved	7/15/16	\$480,000
140	54 TVMs, purchase and install	Approved	4/14/16	\$5,194,834
141	(Not Used)			
142	Network, back office station configuration and IAT support	Approved	4/25/17	\$14,578
143	Reduction in monthly PM services	Approved	5/8/17	(\$404,550)
144	20 BMV Install Kits	Approved	5/8/17	\$10,310
145	Sales, Use, Activate, Initialize and read transactions into Nextfare	Approved	5/25/17	\$0
146	TVM Screen Flow Phase 2	Approved	6/30/17	\$475,000
147	Revisions to Mod 140/CN 185.03 TVM Deployment Scope of Work	Approved	8/28/17	\$0
148	405 BMVs and 480 Install Kits	Approved	11/20/17	\$990,059
149	UFS Equipment for Crenshaw/LAX	Approved	12/1/2017	\$5,920,997
150	CPA Change to Include Terminal ID	Approved	10/18/17	\$45,487
151	UFS Equipment for Regional Connector	Approved	12/1/2017	\$3,316,556
152	TAP System Patching	Approved	4/4/18	\$165,337
153	Network Back Office Configuration	Approved	4/12/18	\$37,222
154	TAP System Wide Upgrades	Approved	6/28/18	\$22,104,750
155	TAP System Support Services/Maintenance	Approved	4/25/19	\$68,220,642
155.01	Maintenance of CLAX/Regional Connector	Pending	9/22/22	\$1,054,539
156	Latitude/Longitude to A102 Reports	Approved	6/29/18	\$14,994

**ATTACHMENT B**

157	Willowbrook/Rosa Parks Station Improvements	Approved	10/25/18	\$2,622,560
158	Net Backup DPOO License & Support	Approved	6/7/19	\$55,281
159	Procure Additional BMVs	Approved	6/27/19	\$434,680
160	Q-Radar License Renewal	Approved	5/14/20	\$53,647
161	Additional ITS Network Equipment/Regional Connector Project	Approved	7/23/21	\$57,860
162	Additional ITS Network Equipment/CLAX Station	Approved	7/23/21	\$124,591
163/163.01	UFS Equipment for Purple Line Extension, Phase 1 Project	Approved	10/1/21	\$4,038,756
164	Fare Capping Project	Approved	10/22/21	\$5,662,667
165	Replacement of BMVs for All Door Boarding	Approved	2/24/22	\$9,545,440
166	LIFE Fare Capping for Regular Cards	Approved	4/6/22	\$149,888
167	SLA Abatement Relief - No Cost	Approved	5/10/22	-
168	Non-RMP Changes and Promo Code	Approved	6/23/22	\$387,000
169	QRadar License Renewal	Approved	6/30/22	\$90,055
	<b>Modification Total:</b>			<b>\$299,994,838</b>
	<b>Original Contract:</b>			<b>\$84,003,444</b>
	<b>Total (Excluding Pending Item):</b>			<b>\$383,998,282</b>

## DEOD SUMMARY

## UNIVERSAL FARE SYSTEM, SUPPORT SERVICES/OP02461010-MAINT

**A. Small Business Participation**

Cubic Transportation Systems, Inc. made a 5.65% Disadvantaged Business Enterprise (DBE) commitment. The project is 89% complete and the current DBE participation is 6.78%, exceeding the commitment by 1.13%.

<b>Small Business Commitment</b>	<b>DBE 5.65%</b>	<b>Small Business Participation</b>	<b>DBE 6.78%</b>
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	<b>DBE Subcontractors</b>	<b>Ethnicity</b>	<b>% Committed</b>	<b>Current Participation<sup>1</sup></b>
1.	American Alloy Fabrication	Caucasian Female	0.25%	0.27%
2.	Lows Enterprise, Inc.	Black American	0.13%	0.03%
3.	TechProse	Caucasian Female	0.41%	0.05%
4.	Robnett Electrical	Black American	2.53%	6.09%
5.	Priority Manufacturing	Caucasian Female	0.93%	0.03%
6.	J-Tec Metal Products	Hispanic American	0.13%	0.03%
7.	KLI, Inc.	Asian-Pacific American	0.25%	0.07%
8.	Kormex Metal Craft	Asian-Pacific American	1.02%	0.21%
	<b>Total</b>		<b>5.65%</b>	<b>6.78%</b>

<sup>1</sup>Current Participation = Total Actual amount Paid-to-Date to DBE firms ÷ Total Actual Amount Paid-to-date to Prime.

**B. Living Wage and Service Contract Worker Retention Policy Applicability**

The Living Wage and Service Contract Worker Retention Policy is not applicable to this modification.

**C. Prevailing Wage Applicability**

Prevailing Wage requirements are applicable to this project. DEOD will continue to monitor contractors' compliance with the State of California Department of Industrial Relations (DIR), California Labor Code, and, if federally funded, the U S Department of Labor (DOL) Davis Bacon and Related Acts (DBRA). Trades that may be covered

include surveying, potholing, field, soils and materials testing, building construction inspection, construction management and other support trades.

**D. Project Labor Agreement/Construction Careers Policy**

Project Labor Agreement/Construction Careers Policy is not applicable to this Contract. PLA/CCP is applicable only to construction contracts that have a construction related value in excess of \$2.5 million.

**Crenshaw LAX/Regional Connector**  
Fare Collection Deployment Locations

<b>Line</b>	<b>Station/Entrance</b>	<b>TVMs</b>	<b>Faregate Consoles</b>	<b>Emergency Swing Gates (ESG)</b>
Crenshaw/LAX (K Line)	Aviation/Century - Street Level Plaza	3	8	2
Crenshaw/LAX (K Line)	Westchester/Veterans - SB Platform North End	2	3	1
Crenshaw/LAX (K Line)	Westchester/Veterans - NB Platform North End	2	3	1
Crenshaw/LAX (K Line)	Downtown Inglewood - Off South End of Platform	2	6	2
Crenshaw/LAX (K Line)	Downtown Inglewood - Off North End of Platform	2	6	2
Crenshaw/LAX (K Line)	Fairview Heights - South Entrance	2	3	1
Crenshaw/LAX (K Line)	Fairview Heights - North Entrance	2	3	1
Crenshaw/LAX (K Line)	Hyde Park - South Entrance	2	3	1
Crenshaw/LAX (K Line)	Hyde Park - North Entrance	2	3	1
Crenshaw/LAX (K Line)	Leimert Park - Mezzanine	2	7	2
Crenshaw/LAX (K Line)	Martin Luther King Jr - Mezzanine	3	8	2
Crenshaw/LAX (K Line)	Expo/Crenshaw	3	11	2
Regional Connector	Little Tokyo/Arts District - North Side - Street Level Plaza	2	6	1
Regional Connector	Little Tokyo/Arts District - South Side - Street Level Plaza	2	4	1
Regional Connector	Historic Broadway - East Side - Street Level Plaza	2	6	1
Regional Connector	Historic Broadway - West Side - Street Level Plaza	2	6	1
Regional Connector	Grand Av Arts/Bunker Hill - East Side - Street Level Plaza	2	4	1
Regional Connector	Grand Av Arts/Bunker Hill - West Side - Street Level Plaza	2	4	1
Regional Connector	Grand Av Arts/Bunker Hill - East Side - Upper Level POC Entrance	2	4	1