

PROCUREMENT SUMMARY

**P3010 LIGHT RAIL VEHICLE
CRENSHAW FINAL CUTOVER ATC SOFTWARE UPDATES**

1.	Contract Number: P3010		
2.	Contractor: Kinkisharyo, International LLC		
3.	Mod. Work Description: The Contractor shall install Type II ATC/ATP software source code on 235 P3010 LRVs. This software is necessary to operate the P3010 LRVS on Metro's new Crenshaw Line.		
4.	Contract Work Description: New Light Rail Vehicles		
5.	The following data is current as of: 10/9/2018		
6.	Contract Completion Status		Financial Status
	Contract Awarded:	4/20/2012	Contract Award Amount: \$299,061,827
	Notice to Proceed (NTP):	8/2012	Total of Modifications Approved: \$622,693,895
	Original Complete Date:	2/2017 (Base only)	Pending Modifications (including this action): \$2,350,680
	Current Est. Complete Date:	6/2021 (including Options)	Current Contract Value (with this action): \$924,106,402
7.	Contract Administrator: Wayne Okubo		Telephone Number: (213) 922-7466
8.	Project Manager: Jason Yaw		Telephone Number: (213) 922-3325

A. Procurement Background

This Board Action is to approve Modification No. 37 to Contract No. P3010 for Crenshaw final cutover Automatic Train Control (ATC) Software Release. The Contractor will install the software on 235 P3010 light rail vehicles (LRVs).

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

In April 2012, Kinkisharyo International LLC (KI) was awarded a firm fixed price contract in the amount of \$299,061,827 for the manufacturing and delivery of 78 LRVs under Contract No. P3010. On August 14, 2013, KI was awarded Contract Options 1 and 4 for a firm fixed price amount of \$366,321,644.00 to manufacture and deliver an additional 97 LRVs. Then, on July 31, 2015, KI was awarded a firm fixed price amount of \$244,758,402.00 to manufacture and deliver 60 LRVs. Totaling the Base Contract and four options, Metro has ordered 235 LRVs from KI.

The scope of work under this Contract Modification is to update and install Type II ATC/ATP software source code on all 235 P3010 LRVs so that the LRVs can operate on the Metro Crenshaw Line currently under construction and schedule to begin operation in late 2019. During the P3010 vehicle final design review phase, the relevant alignment information from the Crenshaw Line was not available. It has been Metro's intent to run P3010 LRVs on the new Crenshaw Line; therefore, the current ATC/ATP software source code will need to be updated, tested, and formally qualified for compatibility with new wayside equipment, new track alignments, and OCS equipment.

On July 23, 2018, procurement issued a Limited Notice to Proceed (LNTP) for RFC No. 28 with a not-to-exceed amount of \$500,000 to initiate the software development in order to meet the Crenshaw project's test schedule. The LNTP allowed KI and their subcontractor Ansaldo STS to begin long lead segmental field testing of the Crenshaw line to prepare for the P3010 vehicle software upgrades.

B. Cost/Price Analysis

The recommended price has been determined to be fair and reasonable based upon cost analysis, an independent cost estimate, technical evaluation, and negotiations.

Proposal Amount	Metro ICE	Negotiated Amount
\$2,548,217.00	\$2,591,871.10	\$2,350,680.00