



# **Contract Award to Install APC Equipment on Additional 21 Light Rail Vehicles**

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Operations, Safety, and Security

June 5, 2018

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VP Planning & Development



# **Today's Action**

Approval of a resolution authorizing the President/Executive Director or designee to award a three-year contract to INIT Innovation in Transportation, Inc., to install APC equipment on 21 light rail cars in an amount not to exceed \$875,533, plus a 15% contingency of \$131,330, for a total authorized amount not to exceed \$1,006,863

# Background

- Light rail daily, monthly and annual passenger counts are estimated based on a random sample obtained with automatic passenger counting (APC) equipment installed on 68 out of the fleet of 163 light rail vehicles
- DART's sampling plan was designed by a professional statistician based upon the precision and reliability required for the National Transit Database and for DART's service planning requirements
- The sampling plan was approved by the Federal Transit Administration in 2012 and the program is monitored and validated annually by DART under FTA guidelines

# **Justification for a Larger APC Equipped Fleet**

- The current fleet of 68 APC equipped light rail cars was sized based upon original Orange, Green, Red and Blue line schedules
- The APC fleet is not sized for the additional car requirements of Blue Line expansion to UNT Station
- The APC fleet is not sized for any additional three-car trains planned after the Red and Blue Line platform expansion
- DART is occasionally short of APC cars to meet the FTA sample requirements when we swap out cars due to mechanical problems or for cleaning due to spills
- Adding 21 APC cars will assure 100% sample compliance required by FTA for NTD reporting

# Cost Comparison of INIT Pricing for APC Installation For Each Fleet

Fleet	# of Cars	Total Cost	Cost per Car
54	48	\$2,289,192	\$47,704
53	20	\$960,998	\$48,045
52	21	\$875,533	\$41,692

# Funding Considerations

- Funding in the amount of \$1,006,863 is included in the FY18 Capital Budget and FY2018 Twenty-Year Financial Plan

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**DART**

*let's go.*



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