



# Contract for Miscellaneous Parts for DART's Light Rail Vehicle Fleet

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Board Meeting  
Operations Item

August 27, 2024

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Assistant Vice President Rail Maintenance



# Recommendation

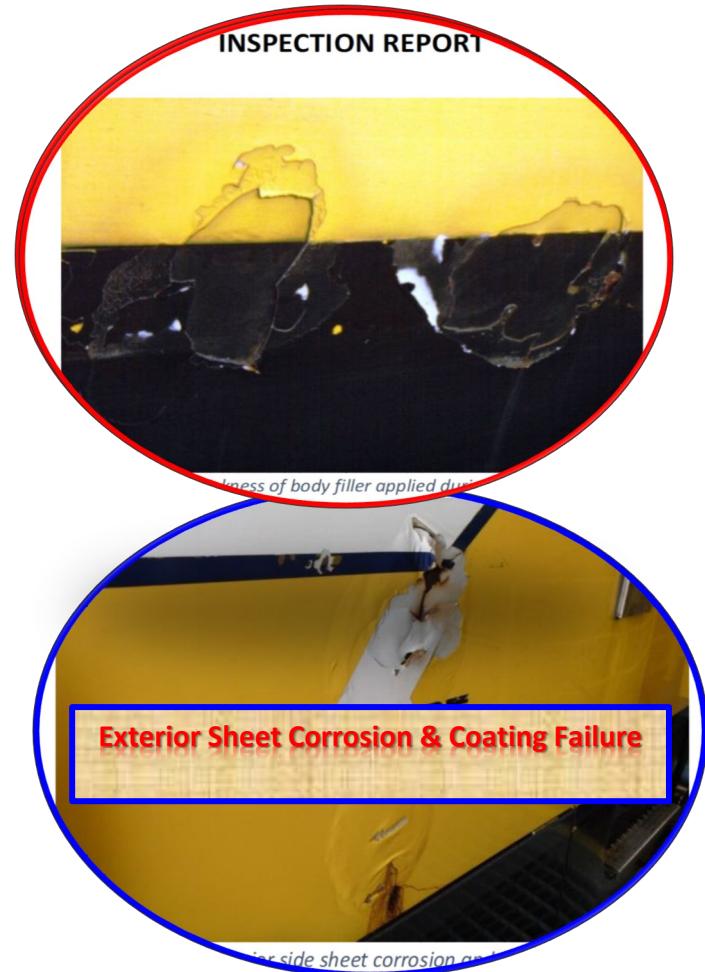
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- Approval of a resolution authorizing the President & Chief Executive Officer or her designee to award a two-year contract to Kinkisharyo International, LLC. for miscellaneous parts for DART's Light Rail Vehicle (LRV) fleet [Contract No. C-2079553-01], for a total authorized amount not to exceed \$1,890,262.



# Business Purpose for DART

- DART's 163 Kinkisharyo LRVs require Original Equipment Manufacturer (OEM) parts.
- This includes:
  - Structural carbody skirts and hinges
  - Safety bar brackets
  - Air spring assemblies
  - Axle boxes
  - Wrap around light covers
  - Assorted door and control system components

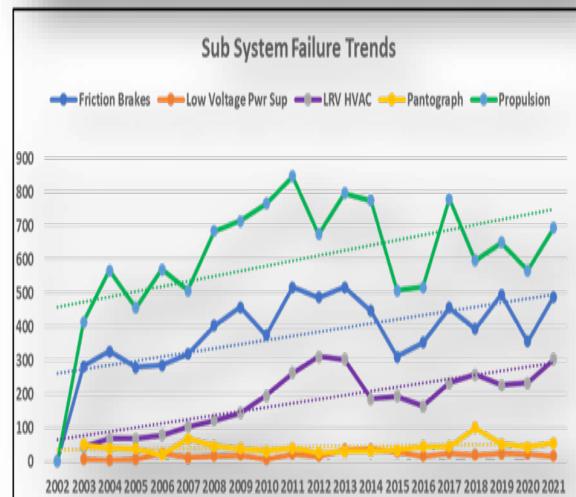


# Business Purpose for DART

## State of Good Repair (SGR) Challenges

- Vehicle components have normal wear and tear over the 30-year life of an LRV, which are addressed in routine and heavy repairs.
- All LRVs are given a Preventive Maintenance Inspection at 10,000 miles to determine if parts replacement is necessary based on damage or having reached the end of useful life.
- Parts may also be replaced for corrosion and collision damage.

Maintenance Work Orders by Fiscal Year						
Fiscal Year	Friction Brakes	Low Voltage Power Supply	LRV HVAC	Pantograph	Propulsion	Grand Total
2002	1				1	2
2003	228	3	40	46	379	696
2004	288	2	65	33	524	912
2005	242	6	66	35	424	773
2006	249	22	76	15	529	891
2007	277	10	102	62	487	938
2008	349	16	122	41	645	1173
2009	386	18	143	37	663	1247
2010	320	6	193	24	704	1247
2011	419	20	260	36	780	1515
2012	412	14	310	19	631	1386
2013	442	33	291	28	761	1555
2014	396	33	184	31	743	1387
2015	274	26	193	31	487	1011
2016	295	15	161	41	474	986
2017	365	24	229	39	725	1382
2018	331	19	254	98	568	1270
2019	401	19	225	46	601	1292
2020	294	20	231	40	525	1110
2021	401	15	301	41	630	1388
Grand Total	6370	321	3446	743	11281	22161



# **Requested Action**

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# Thank You

