

**ITEM 27**

# **Contracted Bus Services Motion Response**

**January 17, 2019**

**Operations, Safety, and Customer Experience Committee**



**Metro**

# Overview

## MV Transportation

### South Region

Lines: 125, 128, 130, 205, 232, 607 & 625

Fleet Size: 75

5-Year Contract Term: July 2017 through June 2022 (currently in year 2)

Contract Value: \$127,280,617

Number of Represented Staff (F/T): 226

Union: Teamsters Local 572

## Southland Transit, Inc.

### East Region

Lines: 254, 256, 266, 577 & 605

Fleet Size: 56

5-Year Contract Term: July 2017 through June 2022 (currently in year 2)

Contract Value: \$65,245,597

Number of Represented Staff (P/T & F/T): 108

Union: Amalgamated Transit Union (ATU), AFL-CIO

## Transdev

### North Region

Lines: 96, 167, 177, 218, 501 & 603

Fleet Size: 34

5-Year Contract Term: August 2018 through August 2023 (currently in year 1)

Contract Value: \$105,816,969

Number of Represented Staff (F/T): 163

Union: Teamsters Local 848

# Bus Fire Events & Corrective Actions

## Investigation

- 2015 - 2018: A total of seven buses experienced issues which resulted in engine fires
- Of the seven incidents, two occurred while the buses were in-service with passengers however, no injuries were reported

## Causes

- Short circuit of a stripped cable caused the ignition of surrounding materials in the area of the gas valve.
- Hydraulic hose failed, spraying hydraulic fluid mist which was ignited by alternator connectors.
- Short circuiting starter motor cable damaged nearby hydraulic fluid hose causing hydraulic fluid to spill and ignite on starter cable.

## Corrective Actions

- November 2018: Metro directed MV to correct maintenance deficiencies in cleanliness, maintenance practices, and workmanship
- To date: Vehicle modifications and maintenance campaigns have been completed to prevent similar issues

# Expedited Vehicle Replacement

## Schedule Update

- **Goal:** Metro will replace a total of 66 diesel vehicles with new El Dorado CNG buses by spring 2019
- **To date:** Metro has replaced a total of 17 Orion buses with 2014 and 2015 model CNG buses that were previously allocated to Dodger Stadium Express (DSE) service and Metro locally operated service
- **February 2019:** New CNG buses will begin to arrive and the delivery schedule will target 8 buses per week



# Audits & Quality Assurance Inspections

## External Comprehensive Diesel Bus Functional Analysis

- Engineering contract for bus functional hazard inspection and analysis of MV's remaining 35 diesel buses
- Scope includes inspections, failure & fire hazard analysis of diesel bus engines, fuel, and exhaust systems that may lead to combustible material hazards or bus fires
- Completion: 45 Days

## Metro Independent Audit: Contracted Services Contracts

- Scope includes:
  - Review Maintenance Program
  - Review Quality Control Activities
  - Review Driver Safety Programs
- Completion: 3-6 Months

## Metro Quality Assurance Inspections

- October 2018 – January 2019
- Findings included: hydraulic oil leaks, hydraulic fan chaffing, damaged wiring and cable insulation, and insufficient engine area cleanliness activities
- Corrective Actions & Maintenance Campaigns:
  - Routine Steam Cleaning
  - Alternator/Battery Cable
  - Battery/Starter Cable
  - Hydraulic Lines
  - General Cable/Hose Routing Securement
- Ongoing

# Quality Assurance Inspections of Repairs

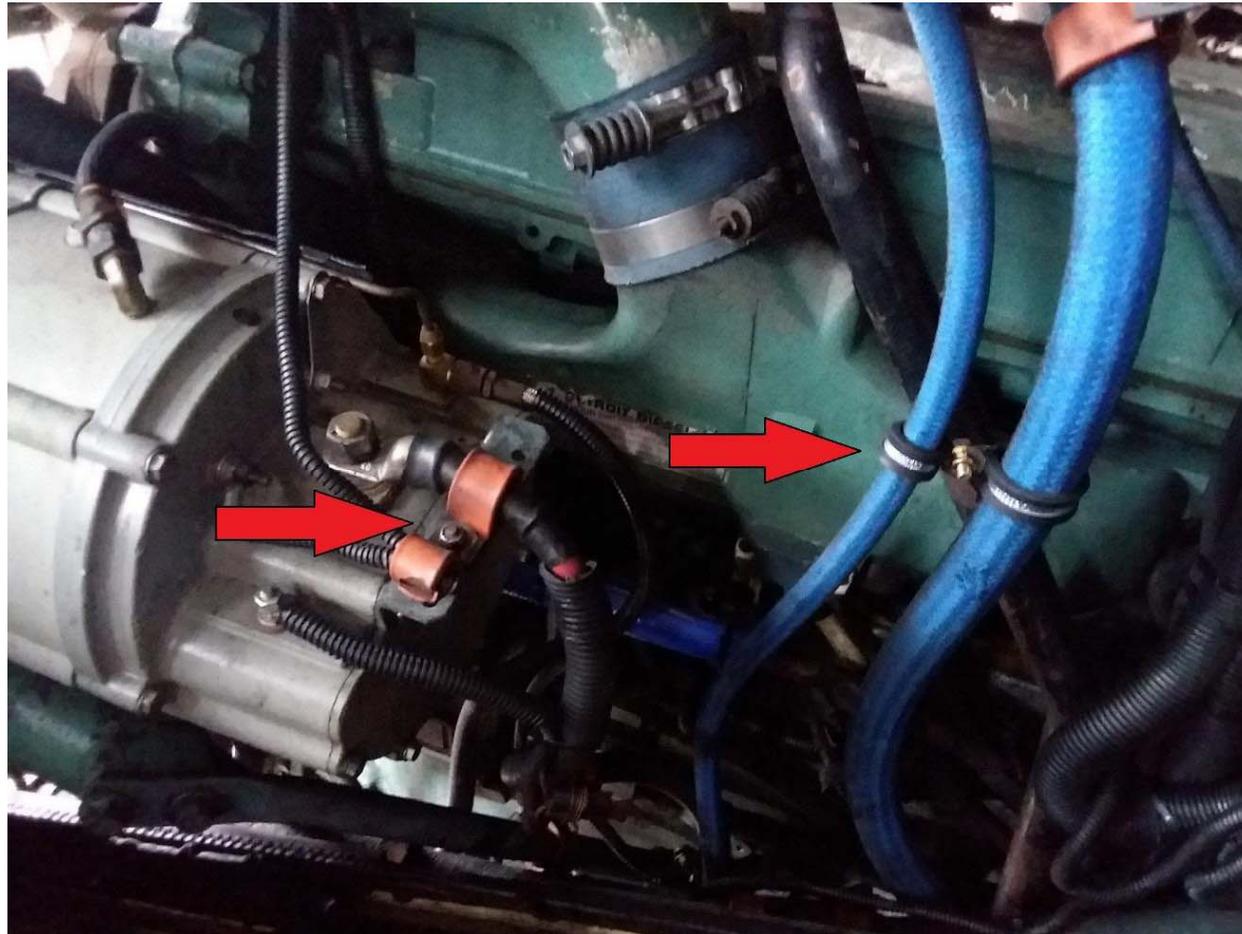


*Alternator cable and hydraulic oil line securement*



*Hydraulic fan oil line securement*

# Quality Assurance Inspections of Repairs



*Alternator cable and hydraulic oil line securement*

## Annualized Rough Order of Magnitude Estimate – Contract Termination for Convenience

