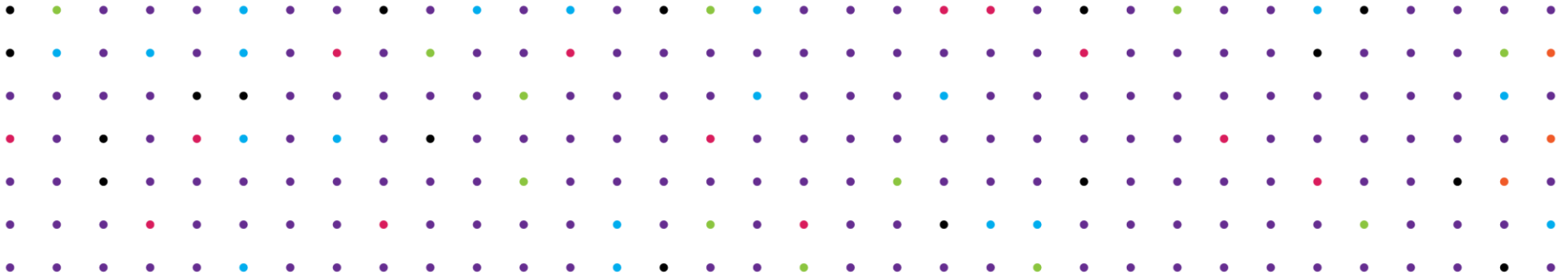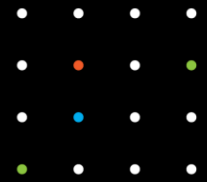**INFRASTRUCTURE, MAINTENANCE, AND ENGINEERING**

LIGHT RAIL VEHICLE DOOR DETECTION ENABLE SYSTEM

Ⓜ Metro®

Operations, Safety, & Customer Experience Committee Meeting
November 21, 2024

RECOMMENDATION

AUTHORIZE the Chief Executive Officer to:

A. AWARD a firm fixed price Contract No. OP123557000 to Hitachi Rail STS USA, Inc. (Hitachi) in the amount of $24,444,798.94 to modify the onboard automatic train control (ATC) software on Metro's Light Rail Vehicles (LRVs) to only allow the doors on the platform side to open upon the vehicle berthing, subject to resolution of any properly submitted protest(s), if any; and

B. FIND that there is only a single source of procurement for the proprietary ATC system software and modifications set forth in Recommendation A above, and it is for the sole purpose of modifying, integrating, and testing the LRV ATC functionality on the A and E lines, and;

C. Increase the Life-of-Project (LOP) budget for the Correct Side Door Enable System Project by $22,938,000, increasing the LOP budget from $9,062,000 to $32,000,000.

ISSUE & DISCUSSION
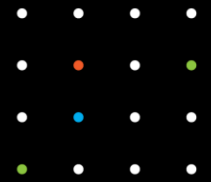
AWARDEE

Hitachi Rail STS USA

NUMBER OF PROPOSALS

One

DEOD COMMITMENT

Due to a lack of sub-contracting opportunities, no participation goal was recommended.

ISSUE

The Metro A and E Lines operate on a manual door control system, requiring the Train Operator to open the train doors upon stopping at a station. This system can result in the doors being opened on the wrong side, where there is no platform.

DISCUSSION

The project's scope is to install a crucial safety system on the A and E Lines that automatically detects which side of a platform is adjacent to a stopped train, and only allows the opening of those doors.

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