

SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
BOARD OF DIRECTORS

RESOLUTION No. 190618-069

WHEREAS, In August 1992, Alcatel Transport Automation (U.S.), Inc. ("Alcatel"), Thales' predecessor, designed and installed the Automatic Train Control System (ATCS) under San Francisco Municipal Railway Contract No. MR-1034R; and,

WHEREAS, The ATCS is a specialized system critical to the functioning and control of the light rail vehicles, controlling vehicle routing, speed, headway, safe separation, and braking of trains in the subway; and,

WHEREAS, The ATCS also provides location and arrival prediction data for passenger information systems; and,

WHEREAS, The ATCS is a custom system that operates using proprietary hardware and software available only from Thales; and,

WHEREAS, The Automatic Train Control System went into full revenue service in 1998; and,

WHEREAS, The SFMTA seeks to update the functionality of the ATCS by obtaining from Thales specialized ATCS-specific technical services, equipment and software upgrades; and,

WHEREAS, Under the West Portal Optimization and Crossover Activation Project, Thales will provide specialized services relating to the signaling of a new crossover in the Twin Peaks tunnel to provide enhanced service for the West Portal shuttle; and,

WHEREAS, Thales will provide updates to the ATCS software and elements of the wayside infrastructure and activate the newly installed W1 crossover just east of West Portal station; and,

WHEREAS, Thales will provide these updates in two software releases that will be separately factory and site tested; and,

WHEREAS, The first release will implement low level functionality to allow a train to be routed by CCOs through the interlock to turn back at West Portal station inbound platform; and,

WHEREAS, Due to the proprietary nature of Thales products implemented at SFMTA, any required system update, as well as, development of new features and functionalities, and successful integration with new planned systems to meet our evolving business needs will require direct involvement of Thales; and,

WHEREAS, Thales will provide these updates in two software releases that will be factory and site tested separately; and,


WHEREAS, This Contract was procured in accordance with federal requirements for sole source contracts; and,

WHEREAS, On May 17, 2019, the SFMTA, under authority delegated by the Planning Department, determined that the West Portal Optimization and Crossover Activation contract approval is not defined as a “project” under the California Environmental Quality Act (CEQA) pursuant Title 14 of the California Code of Regulations Sections 15060(c) and 15378(b); and,

WHEREAS, A copy of the CEQA determination is on file with the Secretary to the SFMTA Board of Directors, and is incorporated herein by reference; and,

RESOLVED, That the SFMTA Board of Directors approves Contract No. SFMTA-2019-49, West Portal Optimization and Crossover Activation Services, with Thales Transport and Security, Inc. for a term of 12 months and a contract amount not to exceed \$6,260,000 to provide ATCS system engineering and configuration, software updates, testing services, and equipment to implement train control for a new crossover in the Twin Peaks Tunnel, to improve service for the West Portal shuttle.

I certify that the foregoing resolution was adopted by the San Francisco Municipal Transportation Agency Board of Directors at its meeting of June 18, 2019.



Secretary to the Board of Directors
San Francisco Municipal Transportation Agency