

1 [Approving Advanced Train Control System Improvement Services and Equipment
2 Purchases.]

3 **Resolution approving Municipal Transportation Agency Contract No. 1226, Advanced**
4 **Train Control System Improvement Services and Equipment Purchases, with Thales**
5 **Transport & Security, Inc., for an amount not to exceed \$30,000,000 for a term not to**
6 **exceed five years with an option to extend the term an additional three years.**

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8 WHEREAS, On June 9, 1992, the Public Utilities Commission approved execution of
9 Municipal Railway Contract MR-1034R with Alcatel Canada, Inc. ("Alcatel") for Procurement
10 and Installation of an Advanced Train Control System ("ATCS"); and,

11 WHEREAS, Alcatel was acquired by Thales Transport & Security, Inc. ("Thales") in
12 2007, and Thales assumed Alcatel's obligations under Contract No. MR-1034R; and

13 WHEREAS, The ATCS has been in revenue service since 1998; and,

14 WHEREAS, In March 2009, Thales completed the final closeout scope of work under
15 MR-1034R, with all hardware and software installed and in service, delivery of all required
16 system documentation delivered, successful completion of a four-week performance test, a
17 Software Escrow Agreement and a Software and Maintenance Support Services Agreement
18 approved by the SFMTA Board of Directors and executed; and,

19 WHEREAS, The Municipal Transportation Agency Board of Directors by Resolution
20 No. 09-063 dated April 21, 2009, accepted the work performed under SFMTA Contract No.
21 MR-1034R; and,

22 WHEREAS, The ATCS is a specialized proprietary system that is critical to the
23 functioning, control and safety of the City's subway system; the ATCS automatically controls
24 vehicle headway, speed and braking in the subway, and is critical to transit system operations
25 and safety; and,

1 WHEREAS, The ATCS has allowed the SFMTA to increase by 230 percent the number
2 of trains running in the subway, allowed greater flexibility in train scheduling in both surface
3 and subway operations, and provided the capacity necessary to bring the T-Third Line into the
4 subway; and,

5 WHEREAS, The ATCS has greatly improved transit system safety by vastly reducing
6 or eliminating red signal violations, train collisions in the subway, train door and step
7 malfunctions, and operation of vehicles with the signaling system turned off; and,

8 WHEREAS, The ATCS has provided the SFMTA the means to provide train-arrival
9 predictions to subway platforms and train location data to the NextMuni system while the
10 trains are in the subway; and,

11 WHEREAS, To maintain the safe operation of the subway system and to ensure that
12 the ATCS operates within specifications for its remaining design life (estimated to be another
13 20 years), the ATCS requires system upgrades and improvements, including but not limited to
14 upgrades to its software operating system and system interface modernization, signal loop
15 cable replacements, on-board vehicle computer and equipment upgrades, adaptation of new
16 rail vehicles, wayside signaling equipment upgrades and replacement of remaining legacy
17 signaling system components; and,

18 WHEREAS, Due to the proprietary nature of the ATCS, no vendor other than Thales
19 can supply the necessary maintenance services to the SFMTA, and this Agreement is
20 necessarily therefore a sole source contract; and,

21 WHEREAS, SFMTA Contract No. 1226 is a framework purchase order contract that will
22 allow the SFTMA to negotiate purchase orders to obtain necessary ATCS upgrades and
23 improvements under agreed legal terms as project funding is allocated, for a period of five
24 years, with an option to extend said agreement for an additional term not to exceed three
25 years; and,

1 WHEREAS, The SFMTA Board of Directors approved SFMTA Contract No. 1226 by
2 Resolution No. 09-062, dated April 21, 2009; and,

3 WHEREAS, The Civil Service Commission approved SFMTA Contract No. 1226 by
4 Personal Services Contract No. 4135-08/09, dated May 4, 2009; now therefore be it

5 RESOLVED, That the Board of Supervisors approves San Francisco Municipal
6 Transportation Agency Contract No. 1226 with Thales Transport & Security, Inc. in an amount
7 not to exceed \$30,000,000 for a term not to exceed five years with an option to extend the
8 term an additional three years.

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