

1 [Approval of Contract Modification No. 4 to Contract No. 350 between the City and County of  
2 San Francisco and DaimlerChrysler Commercial Buses North America Ltd.]

3 **Resolution approving Contract Modification No. 4 to Contract No. 350 between the City**  
4 **and County of San Francisco, through the San Francisco Municipal Transportation**  
5 **Agency, and DaimlerChrysler Commercial Buses North America Ltd., to replace the**  
6 **energy storage system in the entire 40-foot hybrid electric bus fleet from lead acid**  
7 **based batteries and controls to lithium-ion based batteries and controls with a five-year**  
8 **battery warranty, at an additional cost of \$2,520,000, for a total contract amount not to**  
9 **exceed \$32,223,133.25.**

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11 WHEREAS, On June 30, 2005, the San Francisco Municipal Transportation Agency  
12 Board of Directors adopted Resolution No. 05-104 which authorized the Director of  
13 Transportation to execute Contract Proposal No. 350, Procurement of Standard Low Floor  
14 Hybrid-Electric Diesel Coaches with Orion Bus Industries, for an amount not to exceed  
15 \$29,398,629; and,

16 WHEREAS, On August 2, 2005, the Board of Supervisors adopted Resolution No. 597-  
17 05, which approved the award of Contract Proposal No. 350 (Procurement of Standard Low  
18 Floor Hybrid-Electric Diesel Coaches) between the City and County of San Francisco and  
19 Orion Bus Industries, in an amount not to exceed \$29,398,629; and,

20 WHEREAS, On October 20, 2006, Orion Bus Industries Ltd. changed its name to  
21 DaimlerChrysler Commercial Buses North America Ltd.; and,

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23 WHEREAS, On December 28, 2006, the Executive Director/CEO executed Contract  
24 Modification No.1 to revise the quantity of Automatic Passenger Counter systems for an  
25 additional cost of \$138,745; and,

1           WHEREAS, On March 6, 2007, the Executive Director/CEO executed Contract  
2 Modification No.2 to change the quantities of spare parts, tools, and add new features to  
3 vehicles for an additional cost of \$152,328.25; and,

4           WHEREAS, On March 24, 2008, the Executive Director/CEO executed Contract  
5 Modification No.3 to change the quantities of spare parts, tools, for an additional cost of  
6 \$13,431;and,

7           WHEREAS, All the hybrid electric buses have been delivered, accepted and are in  
8 revenue service; and,

9           WHEREAS, Lead acid battery technology has a limited useful life but was chosen at  
10 the time of award because it was the best available technology; and,

11           WHEREAS, The lithium-ion battery type technology is now mature and has been  
12 service proven for heavy duty urban transit and is expected to achieve reliability goals and  
13 contribute toward meeting on time performance requirements; and,

14           WHEREAS, A maintenance life cycle cost analysis projects a considerable operational  
15 cost savings over the life of the vehicles using lithium-ion batteries instead of lead acid  
16 batteries; and,

17           WHEREAS, On March 3, 2009, The San Francisco Municipal Transportation Agency  
18 Board of Directors adopted Resolution No. 09-037, which authorized the Executive  
19 Director/CEO to execute Contract Modification No. 4 to Contract No. 350, Procurement of  
20 Standard Low Floor Hybrid-Electric Diesel Coaches, with DaimlerChrysler Commercial Buses  
21 North America Ltd., to replace the energy storage system in the entire 40-foot bus fleet from  
22 lead acid based batteries and controls to lithium-ion based batteries and controls with a five-  
23 year battery warranty, at a cost not to exceed \$2,520,000, for a total contract amount not to  
24 exceed \$32,223,133.25 subject to approval by the Board of Supervisors; now, therefore, be it  
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1           RESOLVED, That the Board of Supervisors approves the Contract Modification No. 4  
2 to Contract No. 350, between the City and County of San Francisco, through the San  
3 Francisco Municipal Transportation Agency, and DaimlerChrysler Commercial Buses North  
4 America Ltd., at a cost not to exceed \$2,520,000, for a total contract amount not to exceed  
5 \$32,223,133.25.

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