FORM 51-102F3
MATERIAL CHANGE REPORT

Item 1 Name and Address of Company

DataMirror Corporation (“DataMirror”, or the “Corporation”)
3100 Steeles Avenue East, Suite 1100
Markham, Ontario L3R 8T3

Item 2 Date of Material Change

March 22, 2005

Item 3 News Release

Press Releases issued March 22, 2005 and March 28, 2005 through CCNMatthews, Markham, Ontario: DataMirror Corporation Announces Preliminary Results of Substantial Issuer Bid; and DataMirror Corporation Announces Final Results of Substantial Issuer Bid copies of which are attached as Schedule “A” and Schedule “B”.

Item 4 Summary of Material Change

DataMirror announced the results of its substantial issuer bid to purchase for cancellation up to 2,000,000 of its common shares (the “Shares”) at a price of not less than CDN$8.50 and not more than CDN$10.00 per Share, pursuant to DataMirror’s offer to purchase dated February 11, 2005 and mailed to all DataMirror shareholders (the “Issuer Bid”). Preliminary results on March 22, 2005 indicated that DataMirror would purchase 2,000,000 Shares (subject to increase to avoid the creation of odd-lots as a result of proration) at $10.00 per share based on the tendered shares under the Issuer Bid. See press releases dated March 22, 2005 and March 28, 2005 attached as Schedule “A” and Schedule “B”.

Item 5 Full Description of Material Change

DataMirror has taken up for purchase and cancellation 2,002,039 Shares following the expiration of its Issuer Bid at 5:00 p.m. (Toronto time) on March 21, 2005. The Issuer Bid was made by way of a “Dutch auction” tender, which provided holders with the opportunity to specify the price at which they were prepared to sell their shares or accept a purchase price tender in which shareholders do not specify a price per Share but rather agree to have such Shares purchased at the purchase price that is determined pursuant to the Issuer Bid. DataMirror paid CDN$10.00 per Share purchased for cancellation under the Issuer Bid for an aggregate consideration of CDN$20,020,390.00.

The Shares purchased for cancellation under the Issuer Bid represent approximately 19% of the issued and outstanding common shares and, following the cancellation of such shares, approximately 8,555,000 million common shares remain issued and outstanding. See press releases dated March 22, 2005 and March 28, 2005 attached as Schedule “A” and Schedule “B”.

Item 6 Reliance on subsection 7.1(2) or (3) of National Instrument 51-102

Not applicable.

Item 7 Omitted Information

Not applicable.

Item 8 Executive Officer

Peter Cauley, Vice-President and Chief Financial Officer
(905) 415-0310 ext. 271

Item 9 Date of Report

March 29, 2005

Schedule "A"

FOR IMMEDIATE RELEASE

Contacts:

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Peter Cauley
Chief Financial Officer
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DataMirror Announces Preliminary Results of Substantial Issuer Bid

TORONTO, CANADA – (March 22, 2005) – DataMirror® today announced that, based on initial reports as to the response to the Company's substantial issuer bid, it will purchase for cancellation a total of 2,000,000 common shares (subject to increase to avoid the creation of odd-lots as a result of proration) pursuant to its offer to purchase dated February 11, 2005; at a purchase price of $10.00 per common share. The offer for the common shares expired at 5:00 p.m. (Toronto time) on March 21, 2005.

The number of common shares deposited at or below the purchase price as at the expiration date of the offer for common shares was 3,113,239. As a result, shareholders who deposited common shares at or below the purchase price of $10.00 will have approximately 64% of their common shares bought back at the purchase price, subject to adjustments for odd lots and to avoid the creation of fractional common shares and to avoid the creation of odd lots as a result of proration.

The Company and CIBC Mellon Trust Company, expect that the final purchase price, proration factor and exact number of common shares to be taken up and paid for under the offer will be determined on or before March 28, 2005. Payment for common shares tendered and accepted for purchase will be made by March 29, 2005. Return of common shares not purchased because of proration or because they were invalidly deposited, will be made as promptly as possible.

The common shares to be repurchased comprise approximately 19% of the outstanding common shares of the Company before giving effect to the repurchase. After giving effect to the repurchase, there will remain outstanding approximately 8,556,000 common shares.

About DataMirror

DataMirror (NASDAQ: DMCX; TSX: DMC), a leading provider of real-time data integration, protection, audit and java database solutions, improves the integrity and reliability of information across all of the systems that create and store data. DataMirror's flexible and affordable integration solutions allow customers to easily and continuously detect, translate, and communicate all information changes throughout the enterprise. DataMirror helps customers make better decisions by providing access to the continuous, accurate information they need to take timely action and move forward faster.

Over 2,000 companies have gained tangible business benefits from DataMirror software, including Debenhams, FedEx Ground, First American Bank, OshKosh B'Gosh, Priority Health, Tiffany & Co., and Union Pacific Railroad. DataMirror is headquartered in Markham, Canada and has offices around the globe. For more information, visit www.datamirror.com.

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"Safe Harbour" Statement under the United States Private Securities Litigation Reform Act of 1995:

Forward-looking statements in this press release, including statements regarding DataMirror Corporation's business which are not historical facts, are made pursuant to the "safe harbour" provisions of the United States Private Securities Litigation Reform Act of 1995. Forward-looking statements include statements of plans, objectives, strategies and expectations. The words "anticipate", "believe", "estimate" and "expect" and similar expressions are intended to identify forward-looking statements. Numerous important factors affect DataMirror's operating results and could cause DataMirror's actual results to differ materially from the results indicated by this press release or by any forward-looking statements made by, or on behalf of, DataMirror, and there can be no assurance that future results will meet expectations, estimates or projections. These factors include, but are not limited to, the following: the difficulty of developing, marketing and selling new products successfully; variability of quarterly operating results; dependence upon the continued growth and success of DataMirror's software products; competition; rapid technological change and new product introductions; dependence upon continued growth in the database and enterprise data integration markets; dependence upon relationships with complementary vendors and distribution channels; the ability to recruit and retain key personnel; risks of international operations, including currency exchange rate fluctuations and global economic conditions; possible software errors or defects; possible infringement claims by third parties; and other factors discussed in the DataMirror's Annual Information Form and other periodic filings with the United States Securities and Exchange Commission and other regulatory authorities. Should one or more of these risks or uncertainties materialize, or should assumptions underlying the forward-looking statements prove incorrect, actual results may vary materially from those indicated in any forward-looking statements. DataMirror disclaims and does not assume any obligation to update these forward-looking statements.

Schedule "B"

FOR IMMEDIATE RELEASE

Contacts:

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DataMirror Announces Final Results of Substantial Issuer Bid

TORONTO, CANADA – (March 28, 2005) – DataMirror® today announced the final results of its offer dated February 11, 2005 to purchase for cancellation up to 2,000,000 common shares. The offer for the common shares expired at 5:00 p.m. (Toronto time) on March 21, 2005.

Based on final reports from CIBC Mellon Trust Company on the response to its offer to purchase common shares, the number of common shares deposited at or below the purchase price as at the expiration date of the offer for common shares was 3,113,239. The final proration factor that has been applied to common shares properly deposited is 0.641256. As a result, shareholders who deposited common shares at or below the purchase price of $10.00 per common share or pursuant to purchase price tenders will have approximately 64% of their common shares bought back at the purchase price, subject to adjustments for odd lots and to avoid the creation of fractional common shares and to avoid the creation of odd lots as a result of proration. As a result of this process, the actual number of common shares to be purchased for cancellation will be 2,002,039. Payment for common shares tendered and accepted for purchase will be made by March 29, 2005.

The common shares to be repurchased comprise approximately 19% of the outstanding common shares of the Company. After giving effect to the repurchase and cancellation, there will remain outstanding approximately 8,555,000 million common shares of the Company.

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