

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of Earliest Event Reported): March 5, 2010



Southwest Airlines Co.

(Exact name of registrant as specified in its charter)

Texas
(State or other jurisdiction
of incorporation)

1-7259
(Commission
File Number)

74-1563240
(I.R.S. Employer
Identification No.)

P. O. Box 36611, Dallas, Texas
(Address of principal executive offices)

75235-1611
(Zip Code)

Registrant's telephone number, including area code: (214) 792-4000

Not Applicable

Former name or former address, if changed since last report

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- ☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - ☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - ☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - ☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 7.01 Regulation FD Disclosure.

On March 5, 2010, the Registrant issued a press release announcing its traffic results for February 2010. The press release is furnished herewith as Exhibit 99.1 and is incorporated by reference into this Item 7.01.

The information furnished in this Item 7.01 shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that section, nor shall such information be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, regardless of any general incorporation language in such filing, except as shall be expressly set forth by specific reference in such filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits:

99.1 Registrant's February 2010 Traffic Release.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

SOUTHWEST AIRLINES CO.

March 5, 2010

By /s/ Laura Wright

Laura Wright
Chief Financial Officer
(Principal Financial and
Accounting Officer)

Exhibit Index

Exhibit No.	Description
99.1	Registrant's February 2010 Traffic Release.

CONTACT: Investor Relations (214) 792-4415

SOUTHWEST AIRLINES REPORTS FEBRUARY TRAFFIC

DALLAS, TEXAS – March 5, 2010 -- Southwest Airlines Co. (NYSE: LUV) announced today that the Company flew 5.0 billion revenue passenger miles (RPMs) in February 2010, a 2.3 percent decrease from the 5.1 billion RPMs flown in February 2009. Available seat miles (ASMs) decreased 8.7 percent to 6.8 billion from the February 2009 level of 7.4 billion. The load factor for the month was 73.9 percent, compared to 69.1 percent for the same period last year. Weather-related flight cancellations during the month reduced the Company's passenger revenues by an estimated \$15 million. For February 2010, passenger revenue per ASM is estimated to have increased in the 16 to 17 percent range as compared to February 2009.

For the first two months of 2010, Southwest flew 10.5 billion RPMs, compared to 10.2 billion RPMs for the same period in 2009, an increase of 2.4 percent. Available seat miles decreased 7.6 percent to 14.4 billion from the 2009 level of 15.6 billion. The year-to-date load factor was 72.9 percent, compared to 65.8 percent for the same period last year.

This release, as well as past news releases on Southwest, are available online at **southwest.com**.

[/more](#)

SOUTHWEST AIRLINES CO.
PRELIMINARY COMPARATIVE TRAFFIC STATISTICS

	FEBRUARY		
	2010	2009	CHANGE
Revenue passengers carried	5,922,120	6,096,997	(2.9)%
Enplaned passengers	6,963,295	7,068,038	(1.5)%
Revenue passenger miles (000)	4,986,254	5,104,418	(2.3)%
Available seat miles (000)	6,751,455	7,391,395	(8.7)%
Load factor	73.9%	69.1%	4.8 pts.
Average length of haul	842	837	0.6%
Trips flown	78,718	86,009	(8.5)%

	YEAR-TO-DATE		
	2010	2009	CHANGE
Revenue passengers carried	12,288,426	12,085,113	1.7%
Enplaned passengers	14,539,308	14,061,604	3.4%
Revenue passenger miles (000)	10,485,341	10,239,797	2.4%
Available seat miles (000)	14,374,030	15,563,934	(7.6)%
Load factor	72.9%	65.8%	7.1 pts.
Average length of haul	853	847	0.7%
Trips flown	167,124	180,615	(7.5)%
