MUCCI MARTIN Form 4

October 14, 2010

FORM 4

Check this box

if no longer

subject to

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

Form filed by More than One Reporting

Person

3235-0287

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Section 16. Form 4 or Form 5 obligations

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

may continue.

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading **MUCCI MARTIN** Issuer Symbol PAYCHEX INC [PAYX] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) _X__ Director 10% Owner X_ Officer (give title Other (specify 911 PANORAMA TRAIL S. 10/12/2010 below) CEO & President (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person

ROCHESTER, NY 14625

(Ctata)

(7:-

(City)	(State) (A	Table Table	I - Non-D	erivative S	Securi	ties Ac	quired, Disposed	of, or Beneficia	lly Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securi	ties		5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	TransactionAcquired (A) or			or	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	Disposed of (D)			Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3,	4 and	5)	Owned	Indirect (I)	Ownership
							Following	(Instr. 4)	(Instr. 4)
					(4)		Reported		
					(A)		Transaction(s)		
			Code V	Amount	(D)	Price	(Instr. 3 and 4)		
Common Stock	10/12/2010		A	8,580 (1)	A	\$0	45,398	D	
Common Stock							2,678	I	401(k)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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$\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (e.g., puts, calls, warrants, options, convertible securities) \end{tabular}$

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number or Derivative Securities Acquired (A Disposed or (Instr. 3, 4, 5)	A) or f (D)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount of Number of Shares
Stock Option	\$ 27.28	10/12/2010		A	154,591		10/13/2011	10/12/2020	Common Stock	154,59
Stock Option	\$ 28.14						07/11/2004	07/11/2012	Common Stock	15,000
Stock Option	\$ 29.55						07/10/2005	07/10/2013	Common Stock	25,000
Stock Option	\$ 31.79						07/08/2006	07/08/2014	Common Stock	30,000
Stock Option	\$ 33.68						07/07/2006	07/07/2015	Common Stock	50,000
Stock Option	\$ 36.87						07/13/2007	07/13/2016	Common Stock	30,000
Stock Option	\$ 43.91						07/17/2008	07/17/2017	Common Stock	30,000
Stock Option	\$ 31.95						07/10/2009	07/09/2018	Common Stock	40,000
Stock Option	\$ 31.95						07/10/2009	07/09/2018	Common Stock	12,675
Stock Option	\$ 24.21						07/09/2010	07/08/2019	Common Stock	63,290
Stock Option	\$ 26.02						07/07/2011	07/06/2020	Common Stock	29,786

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
MUCCI MARTIN								
911 PANORAMA TRAIL S.	X		CEO & President					
ROCHESTER, NY 14625								

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Signatures

Stephanie L. Schaeffer, Attorney-in-fact

10/14/2010

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Award of restricted stock, subject to vesting, pursuant to the Amended and Restated 2002 Stock Incentive Plan.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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