## FORM 4

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

OMB APPROVAL
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SEC 1474 (9-02)

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

#### STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| (Fillit of Type Responses)  |  |  |            |   |   |   |             |  |                   |                         |  |  |
|---|--|--|------------|---|---|---|-------------|--|-------------------|-------------------------|--|--|
| 1. Name and Address of Reporting Person * Zaucha Laurie L.  | 2. Issuer Name and Ticker or Trading Symbol PAYCHEX INC [PAYX] |  |            |   |   |   |             | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner             |                   |                         |  |  |
| 911 PANORAMA TRAIL SOUTH  |  | 3. Date of Earliest Transaction (Month/Day/Year) 07/11/2018                      |            |   |   |   |             | X_Officer (give title below) Other (specify below)  Vice President                                     |                   |                         |  |  |
| (Street) ROCHESTER, NY 14625  | 4. If Amendment, Date Original Filed(Month/Day/Year)           |  |            |   |   | 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person _Form filed by More than One Reporting Person |             |  |                   |                         |  |  |
| (City) (State)  | (Zip)  | Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned |            |   |   |   |             |  |                   |                         |  |  |
| 1.Title of Security (Instr. 3)  | 2. Transaction<br>Date<br>(Month/Day/Year)                     | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year)                      | (Instr. 8) |   | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |   |             | 5. Amount of Securities Beneficially<br>Owned Following Reported<br>Transaction(s)<br>(Instr. 3 and 4) | Ownership Form:   | Beneficial<br>Ownership |  |  |
|   |  |  | Code       | V | Amount  | (A) or<br>(D)   | Price       |  | (I)<br>(Instr. 4) | (msu. 4)                |  |  |
| Common Stock  | 07/11/2018   |  | A          |   | 1,329<br>(1)  | A   | \$ 0        | 35,156   | D                 |                         |  |  |
| Common Stock  | 07/11/2018   |  | A          |   | 3,523<br>(2)  | A   | \$ 0        | 38,679   | D                 |                         |  |  |
| Common Stock  | 07/12/2018   |  | S          |   | 258 (3)   | D   | \$<br>70.37 | 38,421   | D                 |                         |  |  |
| Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. |  |  |            |   |   |   |             |  |                   |                         |  |  |

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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|                 | (e.g., pass) value, warrants, options, convertible securities, |  |   |      |      |   |                            |                                      |                    |                 |  |                                      |  |  |            |
|-----------------|--|--|---|------|------|---|----------------------------|--------------------------------------|--------------------|-----------------|--|--------------------------------------|--|--|------------|
| Security        | Conversion   | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | Code | tion | 5. Numbor of Deriva Securitie Acquired or Disposor of (D) (Instr. 3, and 5) | ative<br>s<br>l (A)<br>sed | Expiration Date o (Month/Day/Year) S |                    |                 |  | Derivative<br>Security<br>(Instr. 5) | Derivative<br>Securities<br>Beneficially<br>Owned<br>Following | Derivative<br>Security:<br>Direct (D)<br>or Indirect | Beneficial |
|                 |  |  |   | Code | v    | (A)   | (D)                        | Exercisable                          | Expiration<br>Date | Title           | Amount<br>or<br>Number<br>of<br>Shares |                                      | (IIISU. 4)   | (IIIsti. 4)  |            |
| Stock<br>Option | \$ 69.54   | 07/11/2018                                 |   | A    |      | 15,826  |                            | 07/11/2019                           | 07/10/2028         | Common<br>Stock | 15,826                                 | \$ 69.54                             | 15,826   | D  |            |
| Stock<br>Option | \$ 41.7  |  |   |      |      |   |                            | 07/09/2015                           | 07/08/2024         | Common<br>Stock | 7,135                                  |                                      | 7,135  | D  |            |
| Stock<br>Option | \$ 47.32   |  |   |      |      |   |                            | 07/08/2016                           | 07/07/2025         | Common<br>Stock | 23,438                                 |                                      | 23,438   | D  |            |
| Stock<br>Option | \$ 60.84   |  |   |      |      |   |                            | 07/06/2017                           | 07/05/2026         | Common<br>Stock | 20,665                                 |                                      | 20,665   | D  |            |
| Stock<br>Option | \$ 60.84   |  |   |      |      |   |                            | 07/06/2017                           | 07/05/2026         | Common<br>Stock | 76,652                                 |                                      | 76,652   | D  |            |
| Stock<br>Option | \$ 57.24   |  |   |      |      |   |                            | 07/12/2018                           | 07/11/2027         | Common<br>Stock | 20,579                                 |                                      | 20,579   | D  |            |

### **Reporting Owners**

|   | Relationships |              |                |       |  |  |  |
|---|---------------|--------------|----------------|-------|--|--|--|
| Reporting Owner Name / Address                                      | Director      | 10%<br>Owner | Officer        | Other |  |  |  |
| Zaucha Laurie L.<br>911 PANORAMA TRAIL SOUTH<br>ROCHESTER, NY 14625 |               |              | Vice President |       |  |  |  |

#### **Signatures**

| Stephanie L. Schaeffer, Attorney-in-fact | 07/13/2018 |
|--|------------|
| 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.
- (2) Award of restricted stock, subject to vesting, pursuant to the performance award under the Amended and Restated 2002 Stock Incentive Plan.
- (3) Disposition of shares to satisfy tax withholding obligations arising from lapse of restrictions applicable to restricted stock.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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