

Mines Andrew
 Form 3
 February 20, 2018

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â Mines Andrew		(Month/Day/Year)	ILLINOIS TOOL WORKS INC [ITW]	
(Last)	(First)	(Middle)	02/15/2018	
155 HARLEM AVE.			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
GLENVIEW,Â ILÂ 60025			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner	6. Individual or Joint/Group Filing(Check Applicable Line)
(City)	(State)	(Zip)	<input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Form filed by One Reporting Person
			(give title below) (specify below)	<input type="checkbox"/> Form filed by More than One Reporting Person
			Executive Vice President	

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	539	D	Â

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

SEC 1473 (7-02)

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	

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				Shares		(I) (Instr. 5)	
Employee Stock Option	02/13/2016 ⁽¹⁾	02/13/2025	Common Stock	2,430	\$ 98.26	D	Â
Employee Stock Option	02/10/2018 ⁽¹⁾	02/10/2027	Common Stock	5,777	\$ 128	D	Â
Employee Stock Option	02/14/2015	02/14/2024	Common Stock	1,375	\$ 78.59	D	Â
Employee Stock Option	02/12/2017 ⁽¹⁾	02/12/2026	Common Stock	3,747	\$ 91.88	D	Â
Performance Share Units (granted 2/10/17) ⁽²⁾ ⁽³⁾	Â ⁽⁴⁾	Â ⁽⁴⁾	Common Stock	616	\$ 0	D	Â
Restricted Stock Unit (granted 2/12/2016) ⁽²⁾	Â ⁽⁵⁾	Â ⁽⁵⁾	Common Stock	1,088	\$ 0	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Mines Andrew 155 HARLEM AVE. GLENVIEW, IL 60025	Â	Â	Â Executive Vice President	Â

Signatures

Andrew Mines, by Janet O. Love, Deputy General Counsel & Assistant Secretary,
Attorney-In-Fact on File

02/20/2018

____Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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) Options vest in four (4) equal annual installments beginning one year from date of grant.
- (2) Each restricted stock unit (RSU) and performance share unit (PSU) represents a contingent right to receive one share of the Company's common stock.
- (3) PSUs accrue dividends in shares of common stock, subject to fulfillment of vesting period and performance goals; the PSUs shown include dividend equivalents accrued, if any, to date.
- (4) Each PSU vests 100% three years from date of grant if performance goals are met.
- (5) Each RSU vests 100% three years from the date of grant.

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.