

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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

OMB APPROVAL	
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1. Name and Address of Reporting Person* <u>Trowbridge Stephen A</u> (Last) (First) (Middle) 14 PLAZA DRIVE (Street) LATHAM NY 12110 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>ANGIODYNAMICS INC [ANGO]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title below) Other (specify below) <u>SVP and General Counsel</u>
	3. Date of Earliest Transaction (Month/Day/Year) 07/11/2016	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	07/11/2016		M		4,576 ⁽¹⁾	A	\$0	35,359	D	
Common Stock	07/11/2016		F		1,698 ⁽²⁾	D	\$14.48	33,661	D	

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

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. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Performance Right	(3)	07/11/2016		M			7,151	(3)	(3)	Common Stock	7,151	\$0	0	D	

Explanation of Responses:

- This acquisition of 4,576 shares of common stock ("Common Stock") of AngioDynamics, Inc. (the "Company"), represents shares acquired through the vesting and settlement of performance share units granted to the reporting person on November 1, 2013.
- The exempt disposition of 1,698 shares of Common Stock of the Company was made to satisfy tax withholding obligations in connection with the pre-determined vesting of shares underlying performance share units granted to the reporting person on November 1, 2013.
- On November 1, 2013, the reporting person received a target grant of 7,151 performance share units vesting between 0% and 200%. The performance of this award was based on the Company's total shareholder return relative to a peer group of companies over a three-year period covering the Company's fiscal years 2014, 2015 and 2016. Based on the Company's performance over this period, 4,576 shares of Common Stock were issued to the reporting person under this grant.

/s/ Stephen A. Trowbridge 08/18/2016

** Signature of Reporting Person Date

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

* 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).

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.