SMALLEY GARY G.

Check this box

Form 4

August 19, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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OMB APPROVAL

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10% Owner Other (specify

if no longer subject to Section 16. Form 4 or Form 5

obligations may continue.

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)

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading SMALLEY GARY G. Issuer Symbol FLUOR CORP [FLR] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director _X__ Officer (give title C/O FLUOR CORPORATION, 6700 08/17/2010 below)

LAS COLINAS BOULEVARD

(Street) 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

Vice President and Controller

IRVING, TX 75039

(City)	(State) (Zip) 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. Transacti Code (Instr. 8)				5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	or (D)	Price	Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
Common Stock	08/17/2010		M	604	A	\$ 42.105	11,842	D	
Common Stock	08/17/2010		M	1,500	A	\$ 44.705	13,342	D	
Common Stock	08/17/2010		M	1,879	A	\$ 30.46	15,221	D	
Common Stock	08/17/2010		S	5,998	D	\$ 47.3462	9,223	D	
Common Stock							2,055.6193 (2)	I	By 401(k) Plan

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

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SEC 1474 (9-02)

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. Transactic Code (Instr. 8)	onof Derivative		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 or Number of Shares
Employee stock option (right to buy)	\$ 42.105	08/17/2010		M		604	(3)	02/05/2016	Common Stock	604
Employee stock option (right to buy)	\$ 44.705	08/17/2010		M		1,500	<u>(5)</u>	03/06/2017	Common Stock	1,500
Employee stock option (right to buy)	\$ 30.46	08/17/2010		M		1,879	<u>(6)</u>	03/06/2019	Common Stock	1,879

Reporting Owners

Reporting Owner Name / Address	Keiatioliships					
	Director	10% Owner	Officer	Other		

SMALLEY GARY G. C/O FLUOR CORPORATION 6700 LAS COLINAS BOULEVARD IRVING, TX 75039

Vice President and Controller

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Reporting Owners 2

Signatures

/s/ Eric P. Helm by Power of Attorney

08/19/2010

**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).
- The transaction was executed in multiple trades at prices ranging from \$47.34 to \$47.359. The price reported above reflects the weighted (1) average sale price. The reporting person hereby undertakes to provide upon request to the SEC staff, the issuer or a security holder of the issuer full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- (2) Holdings are based on a plan statement dated as of 6/30/10.
- (3) The option vests in five equal annual installments beginning on 2/5/07.
- (4) The number of shares was adjusted to reflect the company's 2-for-1 stock split in the form of a stock dividend which occurred on 7/16/08.
- (5) The option vests in five equal annual installments beginning on 3/6/2008.
- (6) The option vests in three equal annual installments beginning on 3/6/10.

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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