

## My Report

Last Modified: 11/13/2012

Response Set: Second Response set

1. Do you feel that Boise State Construction Management Graduates have the ability to...

| # | Question  | Strongly Disagree | Disagree | Neither Agree nor Disagree | Agree | Strongly Agree | Mean    |
|---|---|-------------------|----------|----------------------------|-------|----------------|---------|
| 1 | apply knowledge of mathematics, engineering, business, and economics to solve construction problems.  | 0                 | 0        | 2                          | 15    | 1              | 18 3.94 |
| 2 | read and interpret construction plans, specifications and documents to accurately estimate direct and indirect construction project costs.  | 0                 | 0        | 3                          | 13    | 1              | 17 3.88 |
| 3 | apply knowledge of construction materials, methods and equipment to safely and effectively plan and sequence construction activities and processes within realistic constraints such as economic, environmental, social, political, ethical, health and safety, and sustainability. | 0                 | 0        | 3                          | 14    | 0              | 17 3.82 |

| Statistic          | apply knowledge of mathematics, engineering, business, and economics to solve construction problems. | read and interpret construction plans, specifications and documents to accurately estimate direct and indirect construction project costs. | apply knowledge of construction materials, methods and equipment to safely and effectively plan and sequence construction activities and processes within realistic constraints such as economic, environmental, social, political, ethical, health and safety, and sustainability. |
|--------------------|--|--|---|
| Min Value          | 3  | 3  | 3   |
| Max Value          | 5  | 5  | 4   |
| Mean               | 3.94   | 3.88   | 3.82  |
| Variance           | 0.17   | 0.24   | 0.15  |
| Standard Deviation | 0.42   | 0.49   | 0.39  |
| Total Responses    | 18   | 17   | 17  |

2. Do you feel that Boise State Construction Management Graduates have the ability to...

| # | Question   | Strongly Disagree | Disagree | Neither Agree nor Disagree | Agree | Strongly Agree | Mean    |
|---|--|-------------------|----------|----------------------------|-------|----------------|---------|
| 1 | apply knowledge of procurement practices, regulatory requirements, and construction contract law applicable to construction project management and administration.   | 0                 | 1        | 6                          | 11    | 0              | 18 6.39 |
| 2 | function as part of a diverse team, using the techniques, skills, and current technology necessary for professional construction industry practice, to ethically manage a construction project within established constraints of budget, schedule, quality, safety, and regulatory compliance. | 0                 | 0        | 2                          | 12    | 4              | 18 7.11 |

| Statistic          | apply knowledge of procurement practices, regulatory requirements, and construction contract law applicable to construction project management and administration. | function as part of a diverse team, using the techniques, skills, and current technology necessary for professional construction industry practice, to ethically manage a construction project within established constraints of budget, schedule, quality, safety, and regulatory compliance. |
|--------------------|--|--|
| Min Value          | 2  | 6  |
| Max Value          | 7  | 8  |
| Mean               | 6.39   | 7.11   |
| Variance           | 1.43   | 0.34   |
| Standard Deviation | 1.20   | 0.58   |
| Total Responses    | 18   | 18   |

3. Do you feel that Boise State Construction Management Graduates have ...






| # | Question  | Strongly Disagree | Disagree | Neither Agree nor Disagree | Agree | Strongly Agree | Mean |
|---|---|-------------------|----------|----------------------------|-------|----------------|------|
| 1 | An understanding of professional and ethical responsibility   | 0                 | 0        | 4                          | 11    | 3              | 6.94 |
| 2 | An ability to communicate effectively.  | 0                 | 2        | 2                          | 12    | 2              | 6.44 |
| 3 | The broad education necessary to recognize economic, environmental and societal impacts of construction projects. | 0                 | 0        | 6                          | 11    | 1              | 6.72 |

| Statistic          | An understanding of professional and ethical responsibility | An ability to communicate effectively. | The broad education necessary to recognize economic, environmental and societal impacts of construction projects. |
|--------------------|---|--|---|
| Min Value          | 6   | 2                                      | 6   |
| Max Value          | 8   | 8                                      | 8   |
| Mean               | 6.94  | 6.44                                   | 6.72  |
| Variance           | 0.41  | 2.85                                   | 0.33  |
| Standard Deviation | 0.64  | 1.69                                   | 0.57  |
| Total Responses    | 18  | 18                                     | 18  |

4. How would you rate the education of the graduates of the Boise State University Department of Construction Management?

| # | Answer                       | Min Value | Max Value | Average Value | Standard Deviation | Responses |
|---|------------------------------|-----------|-----------|---------------|--------------------|-----------|
| 1 | 0 is Poor - 100 is Excellent | 70.00     | 92.00     | 82.53         | 6.37               | 17        |

5. What is your company's primary classification






| #     | Answer                                    | Bar  | Response | %   |
|-------|---|--|----------|-----|
| 1     | General Contractor                        |  | 8        | 44% |
| 2     | General Contractor / Construction Manager |  | 6        | 33% |
| 3     | Utility Contractor                        |  | 0        | 0%  |
| 4     | Specialty Contractor                      |  | 2        | 11% |
| 5     | Other                                     |  | 2        | 11% |
| Total |   |  | 18       |     |

| Statistic          | Value |
|--------------------|-------|
| Min Value          | 1     |
| Max Value          | 5     |
| Mean               | 2.11  |
| Variance           | 1.99  |
| Standard Deviation | 1.41  |
| Total Responses    | 18    |

6. If you answered other previously, how would you classify your company?

| Text Response               |       |
|-----------------------------|-------|
| Engineer / consultant       |       |
| Consulting Engineering Firm |       |
| Statistic                   | Value |
| Total Responses             | 2     |

7. What is your company's primary job type?


| # | Answer               | Bar   | Response | %   |
|---|----------------------|---|----------|-----|
| 1 | Commercial           |  | 7        | 39% |
| 2 | Heavy Civil          |  | 6        | 33% |
| 3 | Design Build         |  | 2        | 11% |
| 4 | Utility Construction |  | 1        | 6%  |
| 5 | Residential          |   | 0        | 0%  |
| 6 | Other                |  | 2        | 11% |
|   | Total                |   | 18       |     |

| Statistic          | Value |
|--------------------|-------|
| Min Value          | 1     |
| Max Value          | 6     |
| Mean               | 2.28  |
| Variance           | 2.57  |
| Standard Deviation | 1.60  |
| Total Responses    | 18    |

8. If you answered other previously, what is your company's primary job type?

| Text Response  |       |
|--|-------|
| Asphalt Pavement Resurfacing and General Misc. Construction to Roads, Highways, Interstate Highways ect. |       |
| High voltage design  |       |
| Statistic  | Value |
| Total Responses  | 2     |

9. What is your company's annual volume?

| # | Answer                         | Bar   | Response  | %   |
|---|--------------------------------|---|-----------|-----|
| 1 | Less than \$1 Million          |   | 0         | 0%  |
| 2 | \$1 Million to \$10 Million    |  | 2         | 12% |
| 3 | \$ 10 Million to \$50 Million  |  | 2         | 12% |
| 4 | \$50 Million to \$100 Million  |  | 5         | 29% |
| 5 | \$100 Million to \$250 Million |  | 1         | 6%  |
| 7 | \$250 million to \$500 Million |  | 1         | 6%  |
| 8 | Greater than \$500 Million     |  | 6         | 35% |
|   | <b>Total</b>                   |   | <b>17</b> |     |



| Statistic          | Value |
|--------------------|-------|
| Min Value          | 2     |
| Max Value          | 8     |
| Mean               | 5.29  |
| Variance           | 5.47  |
| Standard Deviation | 2.34  |
| Total Responses    | 17    |

10. Do you actively recruit Construction Management graduates?

| # | Answer       | Bar   | Response  | %   |
|---|--------------|---|-----------|-----|
| 1 | Yes          |  | 16        | 89% |
| 2 | No           |  | 2         | 11% |
|   | <b>Total</b> |   | <b>18</b> |     |




| Statistic          | Value |
|--------------------|-------|
| Min Value          | 1     |
| Max Value          | 2     |
| Mean               | 1.11  |
| Variance           | 0.10  |
| Standard Deviation | 0.32  |
| Total Responses    | 18    |

11. Do you recruit on College / University Campuses

| # | Answer       | Bar   | Response  | %   |
|---|--------------|---|-----------|-----|
| 1 | Yes          |  | 14        | 78% |
| 2 | No           |  | 4         | 22% |
|   | <b>Total</b> |   | <b>18</b> |     |

| Statistic          | Value |
|--------------------|-------|
| Min Value          | 1     |
| Max Value          | 2     |
| Mean               | 1.22  |
| Variance           | 0.18  |
| Standard Deviation | 0.43  |
| Total Responses    | 18    |



12. How many visits do you make to any college campus each year?

| # | Answer    | Bar   | Response | %   |
|---|-----------|---|----------|-----|
| 1 | 1         |  | 2        | 14% |
| 2 | 2         |  | 3        | 21% |
| 3 | 3         |  | 1        | 7%  |
| 4 | 4 or more |  | 8        | 57% |
|   | Total     |   | 14       |     |

| Statistic          | Value |
|--------------------|-------|
| Min Value          | 1     |
| Max Value          | 4     |
| Mean               | 3.07  |
| Variance           | 1.46  |
| Standard Deviation | 1.21  |
| Total Responses    | 14    |

13. Does your firm hire students from the BSU Department of Construction Management?

| # | Answer | Bar   | Response | %   |
|---|--------|---|----------|-----|
| 1 | Yes    |  | 17       | 94% |
| 2 | No     |  | 1        | 6%  |
|   | Total  |   | 18       |     |

| Statistic          | Value |
|--------------------|-------|
| Min Value          | 1     |
| Max Value          | 2     |
| Mean               | 1.06  |
| Variance           | 0.06  |
| Standard Deviation | 0.24  |
| Total Responses    | 18    |

14. To the best of your knowledge how many of your employees, that are graduates of the BSU Construction Management Program, graduated in the following years?

| # | Answer      | Min Value | Max Value | Average Value | Standard Deviation | Responses |
|---|-------------|-----------|-----------|---------------|--------------------|-----------|
| 1 | 2011-2012   | 0.00      | 5.00      | 2.10          | 1.37               | 10        |
| 3 | 2008-2010   | 1.00      | 8.00      | 2.78          | 2.33               | 9         |
| 4 | 2004-2007   | 2.00      | 5.00      | 3.00          | 1.07               | 8         |
| 5 | 1999-2003   | 1.00      | 3.00      | 2.00          | 0.82               | 4         |
| 6 | Before 1998 | 0.00      | 10.00     | 2.71          | 3.30               | 7         |





15. What position have you most recently hired a BSU Construction Management graduate for?

Text Response

Entry Level Engineer  
 Quality Control  
 Field Engineer (entry level)  
 Project Engineer  
 Field Engineer  
 Project Engineer  
 Field Engineer / Project Engineer  
 Project Manager/Estimator  
 Contract administrator  
 Operations Manager  
 Planning & Scheduling Analysts, Cost Analysts  
 Field Engineer  
 Associate Estimator  
 Project Engineer  
 Field Engineer  
 Project Engineer

| Statistic       | Value |
|-----------------|-------|
| Total Responses | 16    |

16. What Salary range does this position have?

| #     | Answer            | Bar   | Response | %   |
|-------|-------------------|---|----------|-----|
| 1     | \$25,000-\$35,000 |   | 0        | 0%  |
| 2     | \$35,000-\$45,000 |  | 3        | 18% |
| 3     | \$45,000-\$55,000 |  | 8        | 47% |
| 4     | \$55,000-\$65,000 |  | 4        | 24% |
| 5     | \$65,000+         |  | 2        | 12% |
| Total |                   |   | 17       |     |

| Statistic          | Value |
|--------------------|-------|
| Min Value          | 2     |
| Max Value          | 5     |
| Mean               | 3.29  |
| Variance           | 0.85  |
| Standard Deviation | 0.92  |
| Total Responses    | 17    |

17. Was this employee hired as a Co-Op or intern prior to full employment?

| # | Answer | Bar | Response | %   |
|---|--------|-----|----------|-----|
| 1 | Yes    |     | 11       | 69% |
| 2 | No     |     | 5        | 31% |
|   | Total  |     | 16       |     |

| Statistic          | Value |
|--------------------|-------|
| Min Value          | 1     |
| Max Value          | 2     |
| Mean               | 1.31  |
| Variance           | 0.23  |
| Standard Deviation | 0.48  |
| Total Responses    | 16    |

18. Please add any comments about the Boise State Construction Management Program or its graduates below:

**Text Response**

The majority of graduates we have hired in the last 2-3 years have not shown the ability to problem solve, effectively communicate or complete work that looks professional. We have hired two CM students out of a much larger pool, the total percentage of quality graduates used to be much higher.

We have found the BSU Construction Management Graduates very hard working, resourceful and honest. Using the Intern or co-op program has been of great value. Our current employees hired from BSU have provided a great deal of value to our company. We look forward to many more.

Good preparation of students to assume active role & entry level responsibilities. Intern program has allowed us to pick some of the best students. Those students have thrived in our company environment.

I think it's a good program especially if you encourage the students to seek an internship to put what they are learning into practice.

Keep up the good work! I'd also love to see more Freshman and Sophomores pursue the Intern Program and Co-Op Programs.

The questions were filled out with previous BSU graduates in mind that are no longer working with our company. Our current BSU graduate (1989) is well seasoned and an exceptional employee.

NWTech recently hired an intern. Interviewed three students and all three interviewed well. The students that have prior work experience when entering the CM Program and students who gain experience during their CM degree program are more prepared for a full time construction position upon graduation. Students need more experience with submittals and related contract documents. Construction documents and project documentation require more of the construction managers time each year.

Program needs to add more courses that relate to the BIM process and scheduling (P6).

| Statistic       | Value |
|-----------------|-------|
| Total Responses | 8     |