Construction and Project Management: Best Practices

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April 24, 2014
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Management & Decision Making

- Maximize Resources
  - Internal: Have it? Hire it?
  - Third Party: Need it? Want It?
- Tools and Systems
- Staff & Time
  - Leadership
  - Facilitation & Communication Skills
  - Objectivity & Big Picture Perspective
  - Project and Construction Management expertise
  - Subject Matter Experts
  - Breadth of Experience
Program Definition & Validation

- Project Intent
- Stakeholders
- Decision Makers
- Decision Process & Turnaround
- Setting & Managing Expectations
Master Schedule and Budget

- **Master Schedule Development**
  - Infrastructure required to support project or program
  - Tolerance for disruption
  - Phasing

- **Budget Verification**
  - Validating hard and soft costs
  - Logistics & Constructability
  - Life Cycle Cost Analysis

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Communication

Accountable Party
- Project Executive
- Project Manager
- Technical/Subject Matter Experts
- Administrative
- Department Heads
- Facilities
- College Administration

Stakeholders
- School Administrators & Board
- User Program Committees
- Facilities
- Design & Construction Teams
- Faculty & Students
- Community

Frequency
- Daily
- Weekly
- Monthly
- Bi Annually
- Annually

Channel
- Database/PM Tool
- Reports
- Meeting Minutes
- Email
- Text Alerts
- Website
- Signage and Wayfinding
Successful Implementation

Project Programming and Validation

Schedule & Budget

Ongoing Communication

Project Success

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CONSTRUCTION
4Q 2014 - 2Q 2016
## Schedule

### Construction Management Best Practices

<table>
<thead>
<tr>
<th>PROJECT NAME</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
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<td>Q2</td>
<td>Q3</td>
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<td>CLASSROOM MODERNIZATION</td>
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<td>GEOTHERMAL PLANT &amp; LOOP</td>
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Construction Management Best Practices
Schedule

2014 Q2

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Construction Management Best Practices
Budget

- Tracking
- Change Management
- Transparency
- Central Repository
# Project Financial Summary - Summarized by Account Number

**Project:** GLC-03 A&B Wing Additions and Renovations

<table>
<thead>
<tr>
<th>Account</th>
<th>Commit # - Vendor - Date</th>
<th>Original Budget</th>
<th>Budget Revisions</th>
<th>Current Budget</th>
<th>Initial Contracts</th>
<th>Approved Change Orders</th>
<th>Revised Contracts</th>
<th>Anticipated Costs</th>
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**Subtotal 400** | **Owner's General Req** | $535,250 | $0 | $535,250 | $0 | $0 | $0 | $0 |

500 | FF&E

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<tr>
<th>Account</th>
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**Subtotal 500** | **Office Furniture** | $1,500,000 | $0 | $1,500,000 | $0 | $0 | $0 | $0 |
Communications

- Centralized Information
  - Schedules
  - Alerts and Rerouting
  - Safety

- Transparency
  - Meeting Minutes
  - Project Status
  - Two-Way Dialogue

- Marketing
  - Community
  - Future Students
Wrap Up

&

Questions?
Construction and Project Management Best Practices

April 24, 2014
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