Intermediate Processing Facility Relocation Proposal

Client Liaison: Jack DeBell
Project Members:
Laura Weber
Nathan Heick
Kevin Guer
Kevin Luey
Sean Langelier

History of Recycling at CU

- Formed by students 1976
- Intermediate Processing Facility (IPF), 1992
- Program is working
  - Financially
  - Operationally
  - Environmentally
  - Academically
  - Promotionally

Description of the Problem

- New stadium expansion
- IPF necessary to recycling at CU
- Concerned stakeholders
- 4 potential sites

Main Campus Sites

East Campus Sites

Methodology

- Background research
- Site Selection
- New Facility & design
Background Research
- Getting up to speed
  - Recycling
    - Current issues & practices
    - Emerging possibilities
  - Understanding stakeholder issues
- IFP… now
  - What works? What doesn’t?
  - Numbers
- IFP… tomorrow?
  - Co-location possibilities
  - Campus recycling trends & projections
  - Future technologies & wastes

Site Selection
- Develop weighted decision matrix
- Matrix selection criteria
  - Economic feasibility
  - Accessibility
  - Campus Master Plan
  - Transportation
  - Facility needs
  - Facility orientation
  - Stakeholder input
  - Expansion possibilities
- Choose Site
- Stakeholder blessing

Site Development
- Preliminary Design
  - Further investigation of facility placement on selected site
  - Design considerations
    - Safety
    - Functionality
    - Efficiency
  - Working floor plan
  - Final equipment selection
  - Final cost analysis
  - Stakeholder feedback and revision
- Final facility layout

QA/QC
- Peer review of written work and calculations
- Bibliographic verification
- Interviews authorized and recorded
- Representative survey sampling
- Draw upon credible sources

Schedule

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<table>
<thead>
<tr>
<th>Status</th>
<th>Task</th>
<th>Dates</th>
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<tbody>
<tr>
<td>Completed</td>
<td>Preliminary Alternatives Assessment/Preliminary Design Report</td>
<td>October 14, 2003 - October 20, 2003</td>
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<tr>
<td>Completed</td>
<td>Preliminary Design of New Facility on Recommended Site</td>
<td>October 14, 2003 - November 3, 2003</td>
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<td>Updated Alternatives Assessment/Preliminary Design Report</td>
<td>December 4, 2003 or December 9, 2003</td>
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<td>Completed</td>
<td>Preliminary Design Presentation</td>
<td>November 4, 2003 - December 1, 2003</td>
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<td>Alternatives Assessment Report</td>
<td>October 14, 2003 - October 20, 2004</td>
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<td>Completed</td>
<td>Site Analysis, Site Alternatives Evaluation, and Site Recommendation</td>
<td>September 19, 2003 - October 20, 2003</td>
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<td>Choosing Site Selection Criteria; Construction of Decision Matrix</td>
<td>October 14, 2003 - October 20, 2004</td>
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<td>Started</td>
<td>Written Proposal and Workplan, and Presentation</td>
<td>September 18, 2003</td>
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<td>Site Selection Criteria, Site Development, and Site Recommendation</td>
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<td>Started</td>
<td>Final Facility Layout</td>
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Billing

| Employee | Position / Date | Billable Hours | Billable Rate ($/hr) | Total
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<tbody>
<tr>
<td>Laura Weber</td>
<td>Project Manager / Entry Level Engineer</td>
<td>75</td>
<td>75</td>
<td>$ 9,750</td>
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<td>Kevin Guer</td>
<td>Entry Level Engineer</td>
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<td>130</td>
<td>$ 7,800</td>
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<td>Nathan Heick</td>
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<td>Sean Lancaster</td>
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<td>Kevin Loy</td>
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<td>130</td>
<td>$ 7,800</td>
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Total $ 40,950
Questions?