Project Understanding

> The Strategic Map

“The St. Lawrence Promise: A Lifelong experience of Thoughtfulness”
Project Understanding

> The Strategic Map

- Academics
- Engage Alumni more deeply
- Foster a culture of strategic planning and communication
- New Master Plan to enrich and enhance the vision
- Foster collaborative, creative and proactive stewardship
- Expand Admissions

“The St. Lawrence Promise: A Lifelong experience of Thoughtfulness”

“Launch a new master facilities plan to protect, develop, and enrich our learning and living environment and enhance our vision.”
Charrette

Listening to the SLU Community...
Charrette

> Sullivan Student Center

> Monday February 27

Thelmo Town Hall Meeting 5:00p.m. – 6:30p.m.  (40)
Student Residence Walk Through 7:00p.m.
Canton Community 7:30p.m. – 8:30p.m.  (25)

> Tuesday February 28

Open 9:00a.m. – 10:00p.m.  (260)
9:00a.m. – 10:00a.m. Student Housing (30)
12:00p.m. – 1:00p.m. Campus Sustainability (30)
4:00p.m. – 5:00p.m. Classroom Space (30)

> Wednesday February 28

Open 9:00a.m. – 1:00p.m.  (175+)

Charrette Participants Total Over 500+
Charrette

Filling the charrette cart with ideas
Questions
Opportunities
Discussion
Education
Charrette Question Responses

Sacred & special places

- Herring Cole
- Gunnison Chapel
- Quad
- Avenue of the Elms
- Enchanted Forest

Most memorable experience / tradition

- Quad Experience
- Chapel Bells
- Candle Light Services
- Abroad Experience
- Rope Swing
Desirable indoor social space

Charrette Question Responses

> Student Center
> Java Barn
> Pub 56
> Theme Cottages

Where do you study

> ODY Library
> Student Center
> Dorm Room
> Herring Cole
> Science Library
Charrette Question Responses

Green initiatives

- Composting
- Local Food
- More Recycling Bins
- Gardens for growing food
- Eco Dorm

Facilities needs

- Student Housing
- Dining Services
- Common Spaces (housing)
- Study Spaces
- Classrooms
Community

Assets
- University as economic driver for region
- Access to education, cultural and athletic resources
- Community integration (volunteer)

Challenges
- Pedestrian conflicts on Park St.
- Late night “disruptions”
- Student/village resident housing adjacencies

Vision
- Enhancing the community experience (gateway, retail, restaurant, neighborhood and services) to meet community needs
Sustainability

- Function
- Aesthetics
- Structure
- Energy
- IAQ
- Comfort
A Sustainable Campus:

Multifarious steps toward sustainability are being taken in all corners of the St. Lawrence campus.

- Rosada Drive Area: "No Men" zones saw labor time and decrease our carbon footprint.
- Village Hall, Noble Center, Rosharn Hall, New Hall, House Field House: Vending machines save energy consumption by vending machines.
- Dana Dining Center: 10-12% local food served, milk and eggs come from New York State, maple syrup, honey and flour from just down the road (locally).
- 70 Park Street: The Greenhouse, an environmentally responsible student living section temporarily closed thanks to damage incurred during a January 2006 windstorm.
- Northstar Pub, Student Center: Compostable plates, cups and reusable containers. 50% renewable electricity generated by hydroelectric facilities in New York State.
- Johnson Hall of Science: To LEED (Leadership in Energy and Environmental Design) certified. 50% renewable electricity generated by on-site wind facilities.
- Red Barn: 100 white pine seedlings planted during Shop It Up, last spring’s global warming fever west.
- Environmental Sustainable Landscape: Solar array processes energy from the sun.
- Cotterman Hall: Collection center for campus recyclables.

These hybrid cars are part of the University’s vehicle fleet.

Atwood Hall: Office of the new sustainability coordinator.

Dowd D. Young Library: Headquarters of the Great Bike program (students can obtain a "green bike" for getting around campus).

Priest College: Cells to dry clothes within the site of an ancient consuming dryer.

Community Involvement

Bike Paths to community resources

Farmer’s Market and local foods
Student Housing

- Better HVAC controls (more individuality)
- Better solid waste management (composting and recycling)
- Water efficient fixtures
- Lighting
- Bike Racks and storage
- Energy star appliances
- Potential geothermal
- Green roof
- Solar
- Local food / gardens
Key Issue – Student Housing

- 98% on campus
- 2,102 beds
- Additional 40 students per year beginning in 2011 (class of 2015)
Key Issue – Student Housing

**Opportunities**

- Accommodate increased enrollment by 160 students
- Increase student housing off-campus
- Revised scheduling of off-campus programs
- Construct new residence hall
- Strategic renovations of existing residence halls
- Private partnership
Student Housing

Existing Housing

Where should new housing go?
Student Housing

Preferred student housing locations

- Residential infill
- Location

Charrette Responses

- Suites
- Apartments/Townhouses
- Themed Cottages
- Singles
Student Housing

> Opportunities

- Infill
- Gateway
- Increased common and study space
Student Housing

- Opportunities

- Park St. presence
- Architectural / contextual relationship to Sykes
Student Housing

> Opportunities

> Reinforcing the quad
> Residential street and relationship with Dean-Eaton
> Recapturing green space / remove asphalt from edges
Classroom Analysis

> Better HVAC controls in classrooms
> Daylighting requirements for new construction
> Ventilation in Fine Arts (supply high, return low)
> More integration of campus wide sustainability initiatives into course curriculum
Classroom Analysis

Weekly Student Contact Hours by Semester

- Class Lab
- Computer Lab
- Lecture
- Not Applicable

With 29,000 WSCH of Lecture times 24 sf average seat size divided by 18 WSCH per seat equals: 38,700 ASF

Existing: 51,342 ASF

Fall 2011
Spring 2012
Classroom Analysis

Classroom Space by Building

- Valentine
- Hepburn
- Carnegie
- Atwood
- Richardson
- Piskor
Classroom Analysis

Existing Inventory

- Atwood
- Richardson
Classroom Analysis

Existing Inventory

> Piskor
Classroom Analysis

Size and Suitability

> 24 Seats
tables and chairs / technology

> Aspect ratio

> Piskor
Classroom Analysis

Science Complex

- The “Need” to play a role
  Valentine, Bewkes, Flint, Brown
Open Space and Circulation
Open Space and Circulation

> Preserve Open Space
> Permaculture, interpretive and native landscaping
> Amenities for cyclists (storage and showers
> Stormwater management
> Solid waste management (composting/recycling consistency)
> Transportation management
> Exterior lighting (energy use and light pollution)
> Alternative energy (wind, solar, biomass)
Campus Accessibility

What we heard…

> Richardson, Atwood, Carnegie, Themed Cottage, Vilas, Dean-Eaton
> Mobility vehicles and infrastructure for charging and storage
> Develop guidelines for ADA & FHA requirements with universal design strategies
> Understand new ADA requirements in effect 3/2012
> Identify barriers to accessibility
> Meet “spirit” & “letter” of laws
Open Space and Circulation

Land Use

> Over 1,000 acres of land
> Significant environmental resource and diversity
Open Space and Circulation

- Vehicular Circulation
- Gateways
- Park Street corridor
- Pedestrian conflict areas
- Identify crossings
- Lighting
Open Space and Circulation

Pedestrian Circulation

- Campus and Canton downtown connection
- Pavement condition
- Desire paths
Open Space and Circulation

- Open Space
  - Views
  - Passive/Recreation
  - Trail Connections
  - Canopy Trees
  - Landscape Diversity
Open Space and Circulation

- Celebrating the Avenue of the Elms
- Outdoor plaza
- Art display
- Historic vista
Open Space and Circulation

- Outdoor Classroom
- Outdoor plaza
- Art display
- Historic vista
Thank You for a great Charrette!

“If you are planning for a year, sow rice; if you are planning for a decade plant trees; if you are planning for a lifetime educate people.”

Chinese Proverb
### Next Steps

#### Working Project Schedule

**St. Lawrence University**

**Revised: February 22, 2012**

#### I. Campus Profile
- Master plan orientation meeting with Master Plan Advisory Committee
- Review existing reports/planning documents
- Review curriculum, statistics, occupancies, projections
- Preliminary facilities tour & photo existing conditions
- Overall Schedule Development
- Community Emotion Assessment

**2012**
- Jan 31
  - Orientation Meeting
- Feb 9-12
  - Alumni Council Winter Meeting
- Feb 23-25
  - Board of Trustees Winter Meeting

**2013**
- Jan 31
  - Orientation Meeting

#### II. Facility Assessment
- Review local plan, survey plans and ordinances
- Review parking and transportation conditions
- Site analysis and opportunities
- Access land acquisition and development
- Review existing plans capital projects
- Base map creation
- Assess infrastructure and buildings TBD

#### III. Analysis of Space Needs
- Interview key academic personnel & prepare summaries
- Review academic strategic plan and physical space inventory
- Conduct instructional space utilization analysis
- Calculate future space needs with consideration of projected enrollment

**2012**
- Feb 14-15
  - Academic Interviews
- Feb 28-29
  - Campus
  - Charrette

**2013**
- Jul 10
  - Alumni Council Spring Meeting
- Jul 22-24
  - Board of Trustees Planning Retreat

#### IV. FMP Concepts
- Campus planning charrette
- Develop alternative concepts
- Develop preferred concepts
- Potential residential focus
- Energy & sustainability improvement opportunities
- Meet with Advisory Committee

**2012**
- Feb 26-28
  - Campus
  - Charrette

**2013**
- Oct 10-13
  - Board of Trustees Fall Meeting

#### V. FMP Recommendations
- Document final master plan and recommendations
- Identify further studies
- Identify project prioritization and phasing
- Develop project cost estimates
- Develop implementation plan
- Final campus master plan report
- Final presentation

**2013**
- Oct 10-13
  - Board of Trustees Fall Meeting

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**Schedule Legend**
- Project Phase Complete
- Project Phase to be Completed
- Project Phase in Review
- Project Meeting Complete
- Project Meeting to be Completed

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**Saratoga Associates**

**BDA (Bradesky Design Associates)**

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Planning Process

> Property Ownership
Planning Process

> Property Ownership
Team Introductions

SARATOGA ASSOCIATES

Donald Minnery, AIA, LEED
Principal-in-Charge

Robert Southerland, ASLA
Senior Campus Planner

Jason Kersh, ASLA
Project Manager
Christopher Smith, AIA
Project Architect
Susan Caruvana, AICP
Community Planner

Scott Blackwell Page, Architect
Academic Space Planning

Scott Page, RA
Academic Space Planner

Douglas Hyde Design
Housing/Student Life

Doug Hyde, AIA
Student Housing Specialist

BDA Beardsley Design Associates
Architecture, Engineering & Landscape Architecture, PC

M/E/P, Civil & Facilities Assessment

Steven Moolin, RA, LEED
Principal

Barry Halperin, RA
Sr. Architect

Jared Heinl, PE
Civil Engineer

Michael Reynolds, GA
Project Manager
Lawrence Liberatore, NCARB
Sr. Arch/Student Housing Specialist
John MacArthyr, PE
Sr. MEP Engineer

Sustainability Consulting

Steven Winter Associates, Inc.
Building Systems Consultants

Andrew Zumwalt-Hathaway, LEED
Sustainability Specialist
Who We Are

- Proximity and convenient office locations
- Working campus relationship with Beardsley
- Understanding North Country & Adirondacks
What We Heard

> Expectations

> Challenges
What We Heard

> Expectations
  > Inclusive process
  > Alignment with Strategic Map
  > Identify the things below the “waterline”
  > Provide a Plan that allows for shifting priorities
  > Sustainability
Creating a framework that guides the Campus
Implementation - Hamilton College

- Hamilton College
- Creating connection
- Pedestrian campus
- Architectural context
Planning Process

> Sustainability

Energy auditing and modeling (renovation/resources)
LEED Certification
Benchmarking
Policy development and implementation

Members of ASHRAE, AIA, USGBC, ASME, BCA

Academic Experience
Moving the campus toward enhanced stewardship

Environment Society Economy
How We Work

Team Approach
Interviews
Workshops and Planning “Charrette”
Presentations
Video Conferencing
Web-based Communication
Software (CADD/GIS)
How We Work

> Our Approach

Past History
Understanding

Current Culture
Relationships

Future Needs
Planning
Who You Are

> SLU Culture

> History
> Tradition
> Academics
> Athletics
> Humor
Project Understanding

“A Sustainable Future for St. Lawrence University”

February 2011

Maximizing Resources

Environmental

Financial

Long-Term Sustainability

People

Time

$$

Strategic Map
Planning Process

> Academic Planning and Space Needs Identify Perceived Needs
> Sent to academic, administrative and student representatives
> Results of interviews are compiled & summarized
Planning Process

- Academic Planning and Space Needs

Assessment

- Space Program

- Physical Space Inventory
Planning Process

Enrollment Management

> Headcount
> 2010-2011
> 2,300 undergraduate
> 54.5% women
> 45.5% men
> 96 graduate
Planning Process

Demographics

- National
- State
- Regional

St. Lawrence University: Student Origins - 1998 to 2006

New York State High School Graduates - 1996 to 2022

New York High School Graduates
Student Housing

- Middlebury College
  - Renovation
  - Building Infill
  - Connection
Student Housing

Lafayette College

- New Construction
- Contextual
Student Housing

Floor Plans

- Eastern Washington
- Holyoke
- Fordam
- Akron
Student Housing

Unit Plans

> Single
> Double
> Suite
Student Housing

Interior Spaces

- Commons
- Corridor
- Rooms
Key Issue - Bewkes Hall

> Align space for evolving needs in teaching, learning and campus life

Program and Repurpose

Location and Context

Sustainability

21st Century Renovation

Living/Learning
Planning Process - Recommendations

SUNY Delhi

- Campus Master Plan 2012-2023
- Enhancing the campus core
- Consolidation, connection, and arrival

Athletic Consolidation and Enhancements
- New Indoor Recreation Center
- All-Weather Field with Lighting
- Clark Field House with Softball Field
- Arrival/Drop-off Area and Parking

Applied Technology and Campus Connection
- Cased Hall
- Potential Future Student Housing
- New Service Facility Building
- New Applied Technology Building

Veterinary Technology Building
- Renovated Smith Hall
- Renovated Sanford Hall
- New Vet Tech Building Addition
- Renovated Farnsworth Hall

Campus Arrival and Entry
- Visitor Parking
- Evenden Tower
- Farrell Hall
- Renovated Plaza and Entry Area
- New Pedestrian Access
- Bush Hall

Charrette / February 28 & 29, 2012
St. Lawrence University – Facilities Master Plan
## Planning Process - Implementation

### Plan Final Recommendation - Expand the Campus Core and Reinforce Existing Precincts

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<td>A-1</td>
<td>Minor Rehabilitation Projects</td>
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<td>Milling and Paving</td>
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<td>A-3</td>
<td>Interior Upgrades Alumni Hall</td>
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<td>A-4</td>
<td>Upgrade Campus Wide Security System/Devices</td>
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<td>B-1</td>
<td>Renovate Smith Hall, Phase B</td>
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<td>Kurnela Hall Masonry</td>
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<td>Combined Site &amp; Utilities Project</td>
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<td>Renovate Sanford Hall</td>
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<td>Child Care Center</td>
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<td>Renovations at Clark and Wall Service (Maintenance Bldg.)</td>
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<td>Program Study</td>
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<td>6,930</td>
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<td>C-2</td>
<td>Renovate lower floor for University Police</td>
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<td>325.5</td>
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<td>D-1</td>
<td>Demolition</td>
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<td>E-1</td>
<td>Reconfiguration of road and parking</td>
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<td>F-1</td>
<td>Create pull-off area with orientation signage</td>
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<td>G-1</td>
<td>New Building Program Study</td>
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<tr>
<td>G-2</td>
<td>New Building Addition for Vet Tech</td>
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<td></td>
<td>245.4</td>
<td>50,391</td>
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<td>G-3</td>
<td>Site Enhancements</td>
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<td>G-4</td>
<td>Renovation of existing building for multiple programs</td>
<td></td>
<td></td>
<td>245.4</td>
<td>50,391</td>
<td>$11,951,210</td>
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<tr>
<td><strong>TRACK H - LOT D AND LOOP ROAD RECONFIGURATION</strong></td>
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<tr>
<td>H-1</td>
<td>Reconfiguration of road through parking lot</td>
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<td><strong>TRACK I - BACK ROADWAY ENHANCEMENT</strong></td>
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<td>I-1</td>
<td>Convert back roadway to two-way traffic pattern</td>
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</table>

### Yearly Totals in 2010 $:
- PROF. FEES, EQUIP. COSTS, CONTINGENCIES 35%
- YEARLY TOTALS ESCALATED $ @ 3.75% YEARLY

### Total Current-Term Escalated $:
- $42,276,362

### Financial Breakdown:
- $2,600,000 (2010)
- $600,000 (2011)
- $1,000,000 (2012)
- $1,000,000 (2013)
- $391,456,000 (2015)
- $2,460,550 (2016)
- $22,547,659 (2017)
- $13,496,398 (2018)
Planning Process

> Creating inclusiveness and transparency to achieve consensus, implementation and enhance stewardship.

> Interviews
> Alumni
> Trustees
> Faculty/Staff/Students
> Community