

**The 111<sup>th</sup> John Stewardson Memorial Fellowship in Architecture  
2012**

**PARTICIPATING DEPARTMENTS OF ARCHITECTURE**

CARNEGIE MELLON UNIVERSITY  
DREXEL UNIVERSITY  
PENNSYLVANIA STATE UNIVERSITY  
PHILADELPHIA UNIVERSITY  
TEMPLE UNIVERSITY  
UNIVERSITY OF PENNSYLVANIA

## BACKGROUND AND CHALLENGE

In support of Philadelphia's commitment to become a greener and more pedestrian friendly city, two separate but similar Requests for Proposal have been issued by The City of Philadelphia and the Pennsylvania Environmental Council seeking sustainable development and design proposals for two monumental urban planning / revitalization (feasibility) studies. The areas under consideration are categorized as the *Reading Viaduct* (a part of the Callowhill-Chinatown RFP) and *Spring Garden Greenway* projects, respectively. Although the Callowhill-Chinatown study consists of a greater program of which the Viaduct is a portion, the two are related in that they both seek to create stronger connections to and between neighboring communities and regional assets, such as the Delaware Waterfront, the Avenue of the Arts, the Pennsylvania Convention Center, and the Benjamin Franklin Parkway.

Inspired by and in support of these investigations, this year's *John Stewardson Memorial Scholarship in Architecture* seeks to explore the sectional relationship between an amazing industrial artifact and a major urban thoroughfare by asking this year's candidates to submit visionary and environmentally responsible proposals which mark this intersection through the design of a **Cinema**, an **Urban Park**, and **Landscape proposals for limited sections of the Reading Viaduct and Spring Garden Greenway**.

In support of this challenge, the following programmatic and technical requirements must be demonstrated as part of your proposal:

1. Your proposal may include the adaptive reuse of the Spring Garden Train Station but it may not be demolished;
2. Creative but practical off-street parking for a minimum of 120 cars must be incorporated into your design strategy;
3. The balance of open space not absorbed by building program or parking shall be converted into public open space or urban park; this space must be located at street level and meet the requirements outlined in the Landscape / Urban Planning Section below. In addition, up to 25% of this area may be used for off-street parking as long as the "paved" areas incorporate semi-pervious materials, that vehicular access is controlled and does not encumber the design and use of the open space / park, and that landscaping elements are used to screen the parking areas;
4. Proposals must incorporate design strategies for the sections of the viaduct and Spring Garden Street as they are noted below. Your proposals could be presented as a way of treating these elements in their entirety or as site specific interventions as part of this project contained to the north / south and east / west boundaries.
5. Proposal for Spring Garden Street may include the reduction of traffic lanes from two lanes in each direction to one lane in each direction as long as the design proposals include working turning lanes, on street parking, designated bicycle lanes, and accessible crosswalks and curb cuts. Other design strategies are at the candidate's discretion.
6. Proposals should demonstrate (clearly) an understanding of net-zero energy use through the successful incorporation of solar, geothermal, wind, ventilation, and water based energy reduction, production, and storage systems. Proposals should also integrate storm-water management and rain water collection systems to gather, purify, store, and reuse 100% of the water captured, used, and discharged by the site and this facility as well as daylight harvesting and natural ventilation strategies.
7. Site planning and building design approaches should emphasize constraint but also architectural vision and technical proficiency. Designs should enhance street, pedestrian, and urban life but also compliment (or rectify) existing land planning strategies as they relate to your proposals.

## SITE DESCRIPTIONS, REQUIREMENTS AND LIMITATIONS

The site hugs the eastern edge of the Reading Viaduct and straddles both sides of Spring Garden Street. The southern part of the site consists of a series of buildings, billboards, and empty lots and is bounded by the viaduct to the west, Spring Garden Street to the north, 9<sup>th</sup> Street to the east and Buttonwood Street to the south. For the purposes of this investigation, candidates may remove the buildings and billboards as required to support their proposals but the entire site must be included in the design proposal. The viaduct, however, may not be removed.

The northern part of the site includes the existing Spring Garden Train Station, the area under the viaduct, 9<sup>th</sup> Street between Green and Spring Garden Streets and Green Street between 9<sup>th</sup> and North Percy Street. The train station may be incorporated into your design proposal but it may not be removed and, as noted above, the entire site must be included in the design proposal. In the imagery attached below currently elevated areas are show in orange, currently street level areas are indicated in red.

Design strategies must include the section of the Reading Viaduct between Buttonwood Street and Green Street and the section of Spring Garden Street between 8<sup>th</sup> and 10<sup>th</sup> Streets, this area is indicated in green below. Other requirements for these areas are noted above.

SITE





Spring Garden Street Train Station and Viaduct



Reading Viaduct and Spring Garden Street looking east



9<sup>th</sup> Street looking south from Reading Viaduct above the intersection of 9<sup>th</sup> and Green Streets



Buttonwood Street and the Reading Viaduct including southern edge of the site along 9<sup>th</sup> Street

**ADDITIONAL PHOTOS ARE AVAILABLE AT THE FOLLOWING CONTROLLED LINK**

<https://picasaweb.google.com/andr.hart/JohnStewardsonMemorialCompetitionInArchitecture2012?authuser=0&authkey=Gv1sRgCISb9NSMiovXJg&feat=directlink>

**ON LINE SOURCES**

<http://www.springgardenstreetgreenway.com>

[http://www.ansp.org/environmental/pdf/2011/Phila-Viaduct\\_Struble,\\_Mceneaney\\_2011-11-15.pdf](http://www.ansp.org/environmental/pdf/2011/Phila-Viaduct_Struble,_Mceneaney_2011-11-15.pdf)

<http://www.readingviaduct.org>

## **BUILDING PROGRAM**

Ticket Booth

Lobby and Concessions Stand

Rest Rooms (male and female) to comply with occupancy requirements

Circulation and Accessibility

Theater No. 1 – Occupancy 150 persons (plans / sections must show seating, circulation, and viewing planes)

Theater No. 2 – Occupancy 225 persons (plans / sections must show seating, circulation, and viewing planes)

Theater No. 3 – Occupancy 300 persons (plans / sections must show seating, circulation, and viewing planes)

Projection Rooms (3)

Film Storage Area

Manager's Office

Employee Locker Area and Rest Room

Employee Kitchenette and Dining Area

Janitor's Closet

Mechanical, Electrical, Plumbing, and Elevator Rooms as Required

Off Street Loading Dock with Trash and Recycling Collection

Café with seating for 30 persons

Kitchen

Pantry and Refrigerated Storage Area

Controlled access to Loading Area

Rest Rooms (male and female) to comply with occupancy requirements

Manager's Office

Employee Locker Area, Rest Room, and Dining Area

## **LANDSCAPING / URBAN PLANNING PROGRAM**

Landscaping / Urban Planning Proposals for the Reading Viaduct between Buttonwood and Green Streets

Landscaping / Urban Planning / Greening Proposals for Spring Garden Street between 8<sup>th</sup> and 10<sup>th</sup> Streets

Street Level Open Space / Park including drought tolerant plants and trees and semi-pervious hard-scaping

A (exterior) handicap accessible route connecting / linking the Reading Viaduct and Spring Garden Greenway and your design proposal as required – elevators may be included but will not be accepted as an accessible route

Public Transportation Stops / Shelters to accommodate Bus Routes and Taxi Services

Bicycle Racks

## **PARKING REQUIREMENTS**

Off street parking for a minimum of 120 cars

## **REGULATORY CODES**

Each competitor should consider the following codes to be applicable and binding:

The Americans with Disabilities Act [ADA]

IBC - International Building Code / 2009

LEED Reference Guide for Green Building Design and Construction: 2009 Edition

For more information on the USGBC Green Building program visit: [www.usgbc.org/leed/leed\\_main.asp](http://www.usgbc.org/leed/leed_main.asp)

### MINIMUM DRAWING REQUIREMENTS

- site plan: scale: as required - must include appropriate level of detail and context
- diagrams scale: appropriate
- floor plans scale: 1/8" = 1'-0"  
Provide sufficient graphic information describing the programmatic, experiential, technical, and contextual aspects of the project as required.
- building sections scale: 1/4" = 1'-0" or 1/8" = 1'-0" (minimum of two)  
Provide sufficient graphic information to describe the proposed building(s) structure(s) and supporting context including the building relationship to the Reading Viaduct and Spring Garden Street. At least one section must be cut through one of the theater spaces.
- detail scale: 1 1/2" = 1'-0" minimum  
Provide at least one (1) detail illustrating your technical proficiency with the structural material of your choosing as both a design element and a structural element and as it relates to your design proposal.
- perspectives scale: appropriate  
Minimum one (1) interior and two (2) exterior perspectives showcasing how design goals and ideas are integrated into the architectural proposal and context

### PRESENTATION REQUIREMENTS

Two [2] 20" high x 30" wide illustration boards (or foam core) oriented vertically; drawings must be drawn directly on the boards or drawn on paper firmly mounted to the boards with adhesive. Presentations which are not properly mounted will be disqualified. Note: Tape of any kind is not an acceptable adhesive.

Drawings must not be covered with glass, plastic or any other coverings.

The choice of drawing medium is not limited. The use of hand-generated drawings is permitted. Drawings thicker than 1/4" and 3-D models will not be accepted nor returned. Presentations oriented other than the position specified will be disqualified.

At the bottom right on the rear of each board, print your name, address, telephone number, and school affiliation. Post Graduate candidates must specify year of graduation, degree received, and school name. Neatly cover this information with an opaque paper taped directly to the board and over all four sides to completely obscure this information. On the upper left corners please designate left and right or 1 and 2 accordingly.

Undergraduate candidates shall provide electronic copies of their presentation to their respective representatives. Images should be full size, 300 dpi PDF or Jpeg files and tagged as follows: [last name\\_first name-school-2012.file extension](#)

Post Graduate candidates shall firmly affix a sealed envelope with a CD containing a high resolution electronic copy of your submission to the back of one of the two panels. Write your name with permanent marker directly on the CD AND make a copy for yourself. Upon receipt, presentation materials and CD's become the property of the Managing Committee of the John Stewardson Memorial Fellowship in Architecture and will not be returned under any circumstance. Images should be full size, 300 dpi PDF or Jpeg files and tagged as follows: [last name\\_first name\\_post-graduate-2012.file extension](#)

The title, as follows, must appear on at least one of the boards as part of the presentation requirements:

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The above requirements will be strictly enforced. Entries found not to conform to the above requirements may, upon review by and upon the sole discretion of the Managing Secretary, be eliminated from the competition.

## **RESPONSIBILITY**

The John Stewardson Fellowship in Architecture is a competition of design skill of each individual competitor. Therefore it is the responsibility of each competitor to ensure that his/her work on the competition entry is completed solely by the entrant alone and without the communication, input, advice, critique, judging, or direction of any kind by any individual at any point during the 10 day competition (this includes but is not limited to faculty, staff, professionals, associates, family, etc.) This rule is to be strictly enforced; any individual or school which does not follow this stipulation may have their entry disqualified at the discretion of the Managing Committee.

This competition is sponsored by The John Stewardson Memorial Fellowship Endowment and administered by the John Stewardson Managing Committee. The rules and regulations of the competition and the fellowship are incorporated as part of the bylaws of the Committee and include the guidelines stipulated in this program as well as in the entry form signed by the competitor.

Upon receipt of all entries, the Managing Secretary will review each submission for conformance to the program and make note of any entry not satisfying the stated requirements. The jury will be notified of these observations and may, at the jury's discretion, disqualify any entry for non-conformance to the requirements.

It is the intention of the Committee to have the competition entries travel to the six schools of architecture participating in the competition as part of a traveling display. The Committee however, cannot ensure nor be held responsible for the safe condition of the boards once they begin to travel to the participating schools.

It will be the responsibility of the competitor to abide by the rules and regulations of the entry form and the program. The competitor, by entering his or her boards for judging to the Committee, understands these rules and regulations and agrees to abide by them.

### COMPETITION ENTRIES SHOULD BE DELIVERED TO:

John Hubert  
Secretary to the Managing Committee  
The John Stewardson Memorial Scholarship in Architecture  
c/o John Hubert Architects, LLC  
6 Hemlock Lane  
Wyncote, PA 19095  
215.886.0429

Or

Andrew Hart  
Managing Committee  
The John Stewardson Memorial Scholarship in Architecture  
c/o Claflen Associates  
100 South Broad St - Suite 1615  
Philadelphia, PA 19103