POINT 2
STRUCTURAL ENGINEERS INC

August 23, 2005

TEXAS COMMISSION ON THE ARTS
AUG 24 2005
RECEIVED

James Alkons
Northern California Art Conservators
878 El Camino Ave
Sacramento, CA 95812

Subject: **Proposal for Structural Engineering Services**
Seymour Fogel Mural Relocation
Austin TX
Point 2 Proposal No. 048-2005

Dear Jim:

Thank you for the opportunity to propose the structural engineering services for this unique and special project. Point 2 Structural Engineers Inc. has helped several local artists over the years to develop structural plans and details for the support and construction of their artwork, so this opportunity is especially intriguing and challenging.

PROJECT DESCRIPTION

The project consists of the preservation, removal and relocation of an historic painted mural in Austin Texas. The mural measures 10'-8" tall and 28' wide. It is attached to a second floor clerestory wall approximately 8'-6" off the second floor. It is approximately 3" thick, consisting of marble dust and cement with a steel frame support system on the back. The mural medium is ethyl silicate and is applied directly to the concrete base.

The task is to remove the mural from the wall in one piece, transport it outside the building and relocate it offsite, without damage if possible.

3701 BUSINESS DR.
SUITE 100
SACRAMENTO, CA
95820-2165

PHONE:
(916) 452-8200

FAX:
(916) 452-8212

SCOPE OF WORK

We see the scope of work for this project divided into 4 Phases. The basic tasks that would be considered in each Phase, although more complete tasks may be added as more is learned, are as follows:

- **Phase 1: Initial Examination and Inspection of Site and Artwork**
  - Site Visit by consultants (2 travel days/overnight stay)
  - Meeting and introduction with key participants
  - Discuss strategy of tasks and coordination with curator, contractor, building department, TCA etc.
  - Evaluate condition of Mural and options for removal
  - Collection of existing Structural/Architectural drawings and other pertinent documents
  - Determine possible paths of travel for removal
  - Determine additional demolition that would be necessary for more information.

- **Phase 2: Feasibility Study of Project**
  - Site Visit to obtain sizes, dimensions, photographs, and other specific information for the development of the plan
  - Analyze options of removing and relocating artwork (3 assumed if reasonable)
  - Develop schematic plans for options chosen that include:
    - Methods of strengthening the mural in place.
    - Method of lifting or cutting the artwork loose from its existing supporting structure.
    - Method of lowering structure to movable equipment to remove from building.
    - Path of travel to minimize obstructions.
    - Development of strengthening, if necessary, existing building to transport across 2nd floor.
    - Removal of existing systems (structural and non-structural) to accommodate path of travel.
    - Details in schematic form for accomplishing tasks above.
    - Schematic calculations to accomplish tasks above.
  - Coordinate with Consultants to develop overall plan
  - Provide feasibility report on findings in enough detail that a budget level cost estimate could be performed.
- **Phase 3: Construction and Planning Documents for Performing the Work**
  - Site visit to determine final unknowns (if necessary)
  - Development of construction documents with full details of strengthening, demolition, repair and reconstruction as necessary to accomplish entire task. Documents would be detailed sufficiently to develop accurate cost estimate
  - Draft in ACAD 2005 structural drawings to convey structural requirements.
  - Coordinate with other disciplines as required.
  - Respond to building department comments if applicable for permit.
- **Phase 4: Construction Administration**
  - Site visit to provide input during relocation of artwork (if necessary)
  - Assist contractor in questions in the field.
  - Respond to errors, discrepancies, and changes due to field conditions.
  - Review shop drawings of structural members.
  - Issue additional drawings, details, reports etc. as necessary for changed conditions.

The above tasks are the minimum expected responsibilities in each Phase. As more information is known and planning is accomplished, the tasks may change as needed.

EXCLUSIONS

Not included in this scope of work is the following:

1. Cost estimates. Documents will be provided in enough detail for a qualified cost estimator to develop the estimate.
2. Architectural, Mechanical Electrical Engineering Services. These are assumed to be provided by other qualified consultants as necessary to move or repair duct work, electrical systems, exterior finishes etc. when the relocation is complete.
3. Hazardous Materials Programs. Buildings of this age usually have hazardous materials such as asbestos, lead paint etc. Ethyl Silicate is classified as a hazardous material. A consultant may be necessary to abate these items for this project.
4. Traffic control, road closures etc for the relocation of the artwork.
5. Crane and construction equipment selection.

ADDITIONAL SERVICES

Any work not specifically identified in the Scope of Work shall be considered Additional Services.

COMPENSATION

Due to the unknowns in most of the Phases except Phase 1, we suggest that fees be developed for those phases as the need becomes apparent.

Compensation for our services on Phase 1 shall be a lump sum fee of One Thousand Seven Hundred Dollars and no cents ($1,700.00) plus reimbursable expenses.

Reimbursable expenses will be charged at invoice and will include airfare, lodging and rental car expenses.

Brad J. Rollins is licensed by the Board of Professional Engineers and Licensed Surveyors. Structural Engineer of California License # SE 2837 expires October 1, 2005. Brad J Rollins is also licensed in Nevada, New Mexico, Arizona, and Colorado.

I hope this is sufficient for you needs. Thank you again for choosing Point 2 Structural Engineers Inc. for this project

Sincerely,

Brad J Rollins S.E.
Principal
POINT 2 Structural Engineers Inc.