

**SECTION B  
SUPPLIES OR SERVICES AND PRICE/COSTS**

The contractor shall provide all services including, labor, materials, facilities, and travel (except as otherwise specified in this contract) necessary to detail, fabricate, transport to the site, and install all exhibit elements for the Yavapai Observation Station, Grand Canyon National Park, Grand Canyon, Arizona.

- |    |                                    |              |          |
|----|------------------------------------|--------------|----------|
| 1. | <b>PROJECT MANAGEMENT</b>          | <b>1 JOB</b> | \$ _____ |
|    | Total Hours                        |              | _____    |
|    | Total Labor                        |              | \$ _____ |
| 2. | <b>FABRICATION DRAWINGS</b>        | <b>1 JOB</b> | \$ _____ |
|    | Total Hours                        |              | _____    |
|    | Total Materials                    |              | \$ _____ |
|    | Total Labor                        |              | \$ _____ |
| 3. | <b>SAMPLES/MOCK-UPS/PROTOTYPES</b> | <b>1 JOB</b> | \$ _____ |
|    | Total Hours                        |              | _____    |
|    | Total Materials                    |              | \$ _____ |
|    | Total Labor                        |              | \$ _____ |
| 4. | <b>EXHIBIT STRUCTURES</b>          | <b>1 JOB</b> | \$ _____ |
|    | Total Hours                        |              | _____    |
|    | Total Materials                    |              | \$ _____ |
|    | Total Labor                        |              | \$ _____ |
| 5. | <b>ELECTRICAL/ELECTRONIC</b>       | <b>1 JOB</b> | \$ _____ |
|    | Total Hours                        |              | _____    |
|    | Total Materials                    |              | \$ _____ |
|    | Total Labor                        |              | \$ _____ |
| 6. | <b>GRAPHICS</b>                    | <b>1 JOB</b> | \$ _____ |
|    | Total Hours                        |              | _____    |
|    | Total Materials                    |              | \$ _____ |
|    | Total Labor                        |              | \$ _____ |

7. **CONSERVATION GUIDELINES** **1 JOB** \$ \_\_\_\_\_

Total Hours \_\_\_\_\_  
Total Materials \$ \_\_\_\_\_  
Total Labor \$ \_\_\_\_\_

8. **PROJECT CLOSEOUT** **1 JOB** \$ \_\_\_\_\_

Total Hours \_\_\_\_\_  
Total Materials \$ \_\_\_\_\_  
Total Labor \$ \_\_\_\_\_

9. **SHIPPING** **1 JOB** \$ \_\_\_\_\_

Total Hours \_\_\_\_\_  
Total Materials \$ \_\_\_\_\_  
Total Labor \$ \_\_\_\_\_

10. **INSTALLATION** **1 JOB** \$ \_\_\_\_\_

Total Hours \_\_\_\_\_  
Total Materials \$ \_\_\_\_\_  
Total Labor \$ \_\_\_\_\_  
Travel Costs \$ \_\_\_\_\_

11. **TRAVEL** **1 JOB** \$ \_\_\_\_\_

A. Postaward Conference and Site Visit at  
Yavapai Observation Station, Grand Canyon,  
Arizona.

Total Hours \_\_\_\_\_  
Total Labor \$ \_\_\_\_\_  
Travel Costs \$ \_\_\_\_\_

B. Second Site Visit – Revision and Development  
Meeting - at Yavapai Observation Station,  
Grand Canyon, Arizona.

Total Hours \_\_\_\_\_  
Total Labor \$ \_\_\_\_\_  
Travel Costs \$ \_\_\_\_\_

C. Mock-ups and Prototypes Meeting at Model Maker's Facility.

Total Hours \_\_\_\_\_  
Total Labor \$ \_\_\_\_\_  
Travel Costs \$ \_\_\_\_\_

**TOTAL FOR THE JOB** \$ \_\_\_\_\_

**PROPOSALS MUST SET FORTH FULL, ACCURATE AND COMPLETE INFORMATION AS REQUIRED BY THIS REQUEST FOR PROPOSAL, INCLUDING ATTACHMENTS. THE PENALTY FOR MAKING FALSE STATEMENTS IN PROPOSALS IS PRESCRIBED IN 18 U.S.C. 1001.**

**BY SUBMISSION OF THIS PROPOSAL, I CERTIFY THAT THE RATES CONTAINED IN THIS PRICE ARE NOT MORE THAN THE FIRM-FIXED-PRICE LOADED HOURLY RATES CONTAINED IN THE BASIC CONTRACT.**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contract Number

**SOLICITATION NUMBER N1106060081  
YAVAPAI OBSERVATION STATION EXHIBITS  
GRAND CANYON NATIONAL PARK  
GRAND CANYON, ARIZONA**

Offerors shall attach the Brand Name or Equal Certification to the all copies of the Standard Form 26 (SF-26), Award/Contract.

**BRAND NAME OR EQUAL CERTIFICATION**

Offerors proposing to furnish "equal" products in accordance with "Brand Name or Equal" provision of this Request for Proposal shall provide the following description for each product for which a substitution is proposed:

BRAND NAME	<u>Product</u> <u>Manufacturer</u>	Equal: _____ Manufacturer's Name: _____ Address: _____ Product Name (If any): _____ Product make, or catalog description: _____
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**If "equal" products are proposed provide a detailed description of each product and attach to Page B-4.**

If not furnishing any "equal" products, complete the following certification.

**I certify that the "Brand Name" products specified have been reviewed and no substitutions will be used in the performance of this contract.**

\_\_\_\_\_  
Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**SECTION C**  
**DESCRIPTION/SPECIFICATIONS/WORK STATEMENT**

**I. BACKGROUND**

New exhibits are being developed for the Yavapai Observation Station, located on the South Rim of Grand Canyon National Park in Arizona. The Station is one of the first museums in the National Park Service and provides spectacular views of the canyon. The new exhibits will provide an introduction to Grand Canyon geology, and help visitors understand the landscape they experience as they explore the Park.

The Station is one of the first museums in the National Park Service and is of great historic significance and is classified as a National Landmark. The building is currently undergoing rehabilitation, with an expected completion date of July 4, 2006. Building Drawings entitled "Yavapai Observation Station, Grand Canyon National Park," consisting of 37 pages are included as Attachment L for reference. All exhibit work needs to have as minimal an impact on the historic architecture as possible. A new Sales Area and a new Information Desk are being fabricated and installed as part of the building rehabilitation, and are not a part of this contract.

The Station is relatively small and must regularly accommodate large numbers of visitors. The front room provides a spectacular view of Grand Canyon, with exhibits that interpret that view along with a topographic relief model. The back room provides more in-depth and museum-like exhibits that provide a deeper interpretation and explanation of the canyon's geology. The exhibits include a variety of geological specimens, replica specimens, tactile geological models, interactive elements, props, and illustrations to explain Grand Canyon geology. Two large scale geologic models in the middle of the room are the primary features in the exhibition space; they depict the typical stratigraphy of a vertical section of the north side of the canyon, and a vertical section of the south side. Exhibits shall be fabricated, installed, and field-tested prior to March 30, 2007.

**II. PURPOSE**

The purpose of this contract is to detail, fabricate, transport to the site, and install all exhibit elements for the Yavapai Observation Station, Grand Canyon National Park, Grand Canyon, Arizona.

**III. SCOPE OF WORK**

Independently, and not as an agent of the Government, the Contractor shall provide all services including labor, materials, facilities, and travel (except as otherwise specified in this contract) necessary to detail, fabricate, transport to the site, and install all exhibit elements for the Yavapai Observation Station, Grand Canyon National Park, Grand Canyon, Arizona.

Work under this contract will proceed according to the following order of precedence: Section C, Description/Specifications/Work Statement, including National Park Service Standard Exhibit Fabrication Specifications, Attachment A; Drawings; Section J, List of Documents, Exhibits, and Other Attachments; Section B, Supplies or Services and Price/Costs; Section I, Contract Clauses; and Section K, Representations, Certifications, and Other Statements of Offerors.

Work shall be completed in accordance with the attached drawings entitled “Yavapai Observation Station, Final Exhibit Plan,” consisting of 48 pages, and the following Divisions and additions to the National Park Service Standard Exhibit Fabrication Specifications, Attachment A:

A. **Division 1 - Project Management**

**Schedule, coordinate, oversee, and manage work produced and installed under this contract.**

In addition, the contractor shall also provide the following:

1. **Coordination**

The Contractor’s Project Manager shall coordinate all communication between their firm, any subcontractors, and the Contracting Officer’s Representative (COR).

2. **Postaward Conference and Site Visit**

Travel to Grand Canyon National Park to conduct an inspection of the visitor center site, and to inspect work in progress. Work shall include meeting with the COR and Park staff to discuss all specimens, replicas, models, props, interactives, audiovisual programs, and artwork being created by the Contractor. The Contractor’s Geology Subject Matter Expert shall attend this meeting.

During the Site Visit, the Contractor shall take detailed measurements of the exhibit space to ensure proper fit of all exhibit elements. The Contractor shall also note locations of heating and ventilation ducts, doors, windows, wall switches and controls, thermostats, security system alarms and sensors, changes in floor levels, floor finishes, ceiling and building structure finishes, power sources, and other elements which could impact on the placement, installation, and operation of the finished exhibits.

Work shall include meeting with Park staff regarding the integration of the exhibits with the architecture in a way that is minimally intrusive on the historic fabric of the building.

Upon completion of the Postaward Conference and Site Visit the Contractor shall provide written documentation to the COR enumerating all issues discussed and decisions made relative to the project.

3. **Second Site Visit - Revision and Development Meeting**

Travel to the Grand Canyon National Park to present the preliminary drawings including, relief model paper copy, catalog cuts, samples, isometric drawings, and color and finish sample, and to hear Park review comments, and discuss the revision and development of all exhibits, specimens, replicas, models, props, interactives, audiovisual programs, and artwork being created by the Contractor. The Contractor's Geology Subject Matter Expert shall attend this meeting.

Work shall include a final inspection of the completed visitor center and testing to ensure that all exhibit related electrical components are operational and function properly as required to meet exhibits needs.

Upon completion of the Revision and Development Meeting, the Contractor shall provide written documentation to the COR enumerating all issues discussed and decisions made relative to the project.

4. **Mock-ups and Prototypes Meeting**

Facilitate a review meeting at the Contractor's facility to present revised mock-ups and prototypes, hear Park review comments, and discuss all revisions made to the exhibits, specimens, replicas, models, props, interactives, audiovisual programs, and artwork being created by the Contractor. The Contractor's Subject Matter Expert shall attend this meeting.

Upon completion of the Mock-ups and Prototypes Meeting, the Contractor shall provide written documentation to the COR enumerating all issues discussed and decisions made relative to the project.

5. **Exhibit Installation**

The Project Manager shall travel to the site to oversee the installation of the exhibits by the installation team, from start to finish, and to provide the following:

- a. Coordination with COR for delivery, unloading, and daily work operations on-site;

- b. Daily quality control inspections of all work performed by the installation team;
- c. Coordination with COR for final walk through inspection, operational training session, delivery of maintenance manuals;
- d. Written documentation of punch list items that are identified in the final walk through inspection, with copies provided to the COR.

**B. Division 2 - Fabrication Drawings**

**Provide drawings for review and approval detailing proposed fabrication of all structures indicated in the government-furnished exhibit design drawings and other elements as specified in individual task orders. Provide drawings documenting fabrication of the completed exhibits, including illustrations describing operational and maintenance procedures.**

In addition, the contractor shall also provide the following:

1. Prepare preliminary and revised shop drawings that detail the Government-Furnished design intent drawings, and that detail proposed changes to the fabrication methods or materials that are specified on the Government-Furnished drawings.
2. Prepare preliminary and revised shop drawings detailing the materials and fabrication method for producing the North Column, A-08-100, and South Column, A-09-100, models.

The Contractor shall detail how the columns interface with adjoining exhibit structures and the historic fabric of the building. The Contractor shall also detail how the real touchable rock samples displayed vertically on the edge of the North Column shall be mounted so that they are structurally supported, seamlessly viewed by the visitor, and replaceable by Park staff.

3. Prepare preliminary and revised shop drawings detailing access to building window and storage area behind Exhibit 14, Paleozoic Rocks; occasional access to this area is required.

C. **Division 3 - Samples/Mock-Ups/Prototypes**

**Provide samples for all materials, colors, and finishes specified for the exhibits. Fabricate mock-ups and prototypes as specified in individual task orders.**

In addition, the contractor shall also provide the following:

1. Pencil sketches, revised pencil sketches, color photographs of preliminary models, and color photographs of revised final models for the three tactile river evolution models, A-04-323, A-04-325, and A-04-327.
2. One prototype of the river specimen spinner interactive, including the river sample inside the container, for A-04-354. Plastic shall be scratch-resistant.
3. Color photographs of preliminary model and color photographs of revised final model for the tactile landscape evolution model depicting Shiva Temple, Isis Temple, and Cheops Pyramid, A-05-322; this model is of the type produced by Solid Terrain Models.
4. Pencil sketches, revised pencil sketches, preliminary color illustrations, and revised final color illustrations, all at full size, for illustrations depicting the erosional evolution of a mesa to a butte to a temple; G-05-324, G-05-326, and G-05-328.
5. One prototype of rock specimen mounted on graphic panel, demonstrating how specimen can be unmounted by Park staff for routine maintenance or eventual replacement, but not unmounted easily by visitors.
6. One 12-inch by 12-inch sample of the topographic relief model, A-06-101, including final colors and finishes. Sample shall be created from the Government-Furnished data. Sample shall show the model with final vertical exaggeration, and the proposed painted surface including labels and a protective coating. The NPS will specify the 12-inch by 12-inch sample area.
7. Pencil sketches, revised pencil sketches, color photographs of preliminary prop, and color photographs of revised final prop for the debris flow bas-relief, A-07-200. All sketches and photographs shall show the debris flow's organically-shaped platform that includes a simulation of sand and water, at the base of the prop.

8. Pencil sketches, revised pencil sketches, color photographs of preliminary models, and color photographs of revised final models for the two tactile column models, North Column, A-08-100, and South Column, A-09-100. The sketches and photographs shall indicate the design and location of their barriers, interpretive panels, and the adjoining building or exhibit structures.

The North Column sketches and photographs shall indicate the location of the soffit. The northeast face of the North Column shall feature a dimensionalized cut-away view of its interior showing geological features such as caves and underground water. The edge of the North Column shall display 30 actual rock samples that are touchable and that correspond to the column's stratigraphy. The shale samples shall be hardened with resin to withstand being touched. All rock samples shall be individually replaceable.

9. One 12-inch by 12-inch sample of each of the large tactile rock props, A-12-600, including metamorphic and igneous rock, and granite veining; A-13-600, including transition from one rock layer to another in an angular configuration; A-14-300, including transition from one rock layer to another; A-15-500, including Vishnu schist and slickenside's area; and A-16-500, including scallop shapes. All samples shall include final colors and finishes.
10. Pencil sketches, revised pencil sketches, preliminary color illustrations, and revised final color illustrations, all at full size, for landscape evolution depiction illustrations: G-12-210, G-12-220; G-13-210, G-13-225; G-14-210; G-15-210, G-15-220; and G-16-210, G-16-214. All illustrations shall depict the same landscape scale and point of view so that an overall continuous landscape evolution sequence is depicted.

Pencil sketches, revised pencil sketches, color photographs of preliminary models, and color photographs of revised final models of tactile landscape evolution models A-12-230, A-13-230, A-14-220, A-15-230, and A-16-218. All models shall be of the same landscape scale and point of view as the illustrations. Beginning with A-12-230, each subsequent model shall build on and include the previous one(s) so that a continuous landscape evolution sequence is depicted, with the final model depicting the Grand Canyon landscape as it appears today.

11. Color photographs of tactile fossil replicas and their attachment hardware: ripple marks fossil, A-13-304, trilobite and tracks fossils, A-14-450, and reptile tracks fossil, A-14-750.

12. Pencil sketches, revised pencil sketches, preliminary color illustrations, and revised final color illustrations of natural history animal and plant models, and their attachment hardware: juniper root/rock model, A-07-510; nautiloid model, A-14-513 no larger than one foot in length; brachiopod model, A-14-550; prehistoric dragonfly model, A-14-623, with a wingspan no larger than three feet in length; club moss model, A-14-650; and chub model, A-16-423.
13. Rough cut, final program, and revised final program for two video programs: Colorado River, E-04-401, and A Condor's View, E-05-503. Government-Furnished stock footage will be furnished to the contractor (issued as VHS dubs, Attachment J). The Contractor shall obtain any additional footage from existing sources, if required.
14. Rough cut, final program, and revised final program for animation program, Tonto Transgression, E-14-230. Government-Furnished program will be provided to the Contractor (issued on CD-ROM, Attachment G). The Contractor shall develop additional program material so that final program reflects the Grand Canyon landscape evolution depictions created for Exhibit 14.
15. Mock-up of radiometric decay interactive program, E-12-660, showing sequential program of 30 LED lights.
16. One working prototype of the craton/mobile belt interactive, E-12-511.
17. One working prototype of a back-lit paleogeographic globe, G-13-250.
18. Sample of the fabric proposed for the banners in the Sales Area with sample text and graphics on it. Sample shall show the color, type, and durability of the materials.
19. Preliminary color chart and revised final color chart depicting the stratigraphic sequence seen in the South Column model, G-09-210, with the geologic name for each layer and its corresponding United States Geological Survey (USGS) color and graphic texture.
20. Pencil sketch, revised pencil sketch, preliminary color illustration, and revised final color illustration, all at full size, for illustration depicting a horizontal stack of pancakes, with the last pancake being placed on top of the stack to convey the geologic laws of superposition and original horizontality, G-13-632.
21. One working prototype of low-tech interactive showing normal geological fault blocking, E-13-510.

22. Full color paper proofs, output at a size where all text is legible, of all digital layouts with high-resolution scanned images laid-in.
23. All final, full-size finished, unmounted digital layouts.

If individual mock-ups and prototypes are satisfactory, the COR may approve their use in the final installed exhibition.

D. **Division 4 - Exhibit Structures**

**Provide fabrication of all exhibit elements including cabinetry, panels, platforms, artifact cases, cabinets or kiosks containing computer equipment, vitrines, or other elements that constitute the basic structural elements of the exhibits.**

In addition, the contractor shall also provide the following:

1. Fabrication of an irregular-shaped, smooth contour relief map model of the area of Grand Canyon, A-06-101, that can be seen from the visitor center (not the entire Grand Canyon) and surrounding areas, as specified in the drawings and in the Government-Furnished reference material (Digital Elevation Model data provided on CD-ROM).

The model shall be a seven-sided polygon with a maximum width of 68.626 inches and length of 108.75 inches. The total area of the model shall be 34 square feet. These measurements differ from those specified on Sheet 20 of the Final Plan; the measurements are now 125 percent larger.

The model structure and finished surface shall be fabricated to withstand breakage and wear caused by heavy tactile exposure by park visitors. The Contractor shall be responsible for making sure that the materials constituting the model, paints, inks, and other finishes are compatible with each other and result in a durable final product. The Contractor shall use light-fast inks that resist fading in sunlight. A clear, thick, durable, and non-reflective coating shall be applied to the surface of the final model to protect it from touching.

2. Fabrication of the North Column, A-08-100, and South Column, A-09-100, models. Models shall depict generalized landscapes that accurately reveal typical stratigraphy and terrain.

The model structures and finished surfaces shall be fabricated to withstand breakage and wear caused by heavy tactile exposure by park visitors. The Contractor shall be responsible for making sure that the materials constituting the model, paints, inks, and other finishes are compatible with each other and result in a durable final product.

E. **Division 5 - Electrical/Electronic**

**Purchase, fabricate, assemble, install into buildings and exhibit structures, and thoroughly test all electrical, electronic, and mechanical devices; this includes lighting. Install audiovisual equipment into exhibit structures, including electrical components to provide and ensure fully operational audiovisual systems for each exhibit unit.**

In addition, the contractor shall also provide the following:

1. Lighting equipment and installation for edge-lit text and backlit transparencies for Exhibit 3, The Grand Exposure, as specified on Sheets 12 and 13 of the exhibit drawings.
2. Electronic equipment and installation for two video programs: Colorado River, E-04-401, and A Condor's View, E-05-503, as specified on Sheets 8 and 17 of the exhibit drawings.
3. Electronic equipment and installation for computer animation program: Tonto Transgression, E-14-230, as specified on Sheet 37 of the exhibit drawings.
4. Electronic equipment and installation for LED animation program, E-12-660, as specified on Sheet 33 of the exhibit drawings and on Page D-12-610 of the Preliminary Graphics Layouts, Attachment H.
5. Lighting equipment and installation for back-lit paleogeographic globes G-12-250, G-13-250, G-13-253, G-14-250, G-14-253, G-14-256, G-15-250, G-15-253, and G-16-250, as specified on Sheets 32, 34, 36, 38, 42, and 44 of the exhibit drawings.
6. Lighting equipment and installation for LED light bar in vitrine under interactive lift-up flat, E-14-452, as specified on Sheets 38 and 39 of the exhibit drawings.

7. All lighting equipment and installation for soffit lighting in Exhibits 7, 12, 13, 14, 15, and 16, as specified on Sheets 22, 31, 33, 35, 37, 41, and 43 of the exhibit drawings.
8. Provide all high and low voltage electrical cables required to power lighting and equipment for all of the exhibits.
9. Provide three lamps for each light fixtures purchased for the exhibits. One lamp shall be installed in the fixture, and the remaining lamps (two per fixture) left at the Park for spares.

The following is Not-in-Contract:

- Purchase and installation of all track lighting lamps and fixtures.

F. **Division 6 - Graphics**

**Provide fabrication of all exhibit graphics. Except as otherwise specified in individual task orders, graphic layouts will be government-furnished to the contractor in a digital format.**

In addition, the contractor shall also provide the following:

1. Color illustrations, all at full size, for illustration depicting the erosional evolution of a mesa to a butte to a temple: G-05-324, G-05-326, and G-05-328.
2. Color illustrations, all at full size, for landscape evolution depiction illustrations: G-12-210, G-12-220, G-13-210, G-13-225, G-14-210; G-15-210, G-15-220, G-16-210, and G-16-214.
3. Color chart depicting the stratigraphic sequence seen in the South Column model, with the geologic name for each layer and its corresponding USGS color and graphic texture, G-09-210.
4. Color illustration depicting a horizontally stacked set of pancakes, with the last pancake being placed on top of the stack to convey the geologic laws of superposition and original horizontality, G-13-632.
5. High-resolution scanning of all graphics that are specified as inkjet, or other digital output production methods, and graphics that shall be imported into the final digital layouts.

All digital layouts will be Government-Furnished as production-ready files with high-resolution images placed by the Government. All Preliminary Graphic Layouts will be Government-Furnished as reference. (Attachment H), and finals will be Government-Furnished at the Postaward Conference and Site Visit.

G. **Division 7 - Conservation Guidelines**

**Provide design and fabrication of artifact mounts, installation of artifacts into exhibit cases, and silica gel humidity ballast for conditioning of exhibits cases.**

In addition, the contractor shall also provide the following:

1. All artifacts and props except for those specified as Government-Furnished on the Artifacts Schedule, Attachment C.
2. Fabrication of artifact mounts, and the mounting of all specimens, replicas, models, and props.

Scientific accuracy and realistic depictions are required; the Contractor shall be responsible for obtaining all necessary reference information and materials to make all the models, props, and artwork required in this contract. The Contractor's Subject Matter Expert shall be directly involved in the development and execution of the models, props, and artwork. Government-Furnished reference material will be furnished to the Contractor for all fossil replica specimens. All actual geological specimens will be Government-Furnished. The Contractor shall be responsible for final sizing and mounting.

H. **Division 8 - Setup and Installation**

**Provide setup and installation of all exhibit elements so that they are complete, fully operational, and ready for use.**

In addition, the contractor shall also provide the following:

- Instruction to the COR and park staff in the operation of all of the audio-video equipment, the access to each type of exhibit display case, and in the care, cleaning, and maintenance of all of the exhibits.

Instruction shall include hands-on demonstration. The Contractor shall use the written instructions in the Maintenance Manual to assist in each of the lessons.

The following work is Not-in-Contract:

- Painting of existing building walls.
- Fabrication and installation of the Information Desk and the Sales Area, excluding the banners, National Park Service arrowhead, and visitor center titling.

I. **Division 9 - Project Closeout**

**Prepare and organize all exhibit production material for submittal to the COR and closeout of the project.**

In addition, the contractor shall also provide the following:

1. All Government-Furnished graphic layouts on CD-ROM shall be returned to the COR on a single CD-ROM or DVD, with all changes and corrections incorporated.
2. All high-resolution scans shall be submitted together on a single CD-ROM or DVD, separate from the one that contains the graphic layouts. Each high-resolution graphic file shall be labeled with the graphic identification number (i.e., G-01-102.)
3. As-built drawings that show the final wiring diagrams for all audiovisual systems. Include photographs that show the actual connections for all hardware.

**SECTION D**  
**PACKAGING AND MARKING**

1. **PACKAGING**

Preservation, packaging, and packing for all shipments or mailings of all required submittals shall be in accordance with good commercial practices. This shall include adequate packaging and marking to prevent deterioration and damage during shipment, handling, and storage and be adequate to ensure acceptance by common carrier and safe transportation at the most economical rates.

2. **DELIVERABLES**

All deliverables shall be shipped F.O.B. Destination, within Consignee's premises, with all shipping and transportation costs prepaid. Deliverables shall be shipped by either registered or certified mail to ensure that shipments can be traced, if lost.

The F.O.B. Point for deliverables shall be one of the following:

A. COR Deliverables:

Contracting Officer's Representative  
National Park Service  
Grand Canyon National Park  
Yavapai Observation Station  
1 Loop Road  
Grand Canyon, Arizona 86023-0129

B. Exhibit Delivery and Installation:

Grand Canyon National Park  
Yavapai Observation Station  
1 Loop Road  
Grand Canyon, Arizona 86023-0129

C. Contractor's Facility

**SECTION E**  
**INSPECTION AND ACCEPTANCE**

**REFER TO BASIC CONTRACT**

**SECTION F**  
**DELIVERIES OR PERFORMANCE**

1. **TIME FOR COMPLETION**

All work, **including Review and Approval listed in Item 2 below**, shall be completed on or before **May 7, 2007**, in accordance with the following schedule:

<b><u>DESCRIPTION</u></b>	<b><u>NOT LATER THAN</u></b>
A. Postaward Conference and Site Visit at Yavapai Observation Station, Grand Canyon National Park.	September 18 – 22, 2006
B. Second Site Visit – Revision and Development Meeting – at Yavapai Observation Station, Grand Canyon National Park, and submission of preliminary drawings, including relief model, paper copy, catalog cuts, samples, isometric drawings and color and finish sample boards.	October 24, 2006
C. Inspection of mock-ups and prototypes at the Contractor’s facility, submission of final drawings including relief model paper copy, and catalog cuts, samples, isometric drawings, color and finish sample boards, and Scotch print sample.	November 28, 2006
D. Inspection of unfinished exhibit structures, full-size graphic layouts, placement of exhibit objects, and relief map at the Contractor’s facility.	January 10, 2007
E. Inspection of the completed exhibits and all exhibit elements in their final form at the Contractor’s facility and receipt of the Preliminary Maintenance Manual.	March 2, 2007
F. Completion of on-site installation of all exhibits and submission of the Final Maintenance Manuals.	March 30, 2007
G. Completion of punch list deficiencies, delivery of the closeout package, return of all Government-Furnished reference materials, and final acceptance of the project.	May 1, 2007

2. **REVIEW AND APPROVAL**

The COR will notify the Contractor, in writing, of approval or rejection of the work in accordance with the following schedule:

	<b><u>DESCRIPTION</u></b>	<b><u>APPROVAL TIME (CALENDAR DAYS)</u></b>
A.	Submission of preliminary drawings, including relief model paper copy, catalog cuts, samples, isometric drawings and color and finish sample boards.	10 Days
B.	Submission of mock-ups and prototypes, final drawings including relief model paper copy, catalog cuts, samples, isometric drawings, color and finish sample boards, and Scotch print sample.	7 Days
C.	Inspection of unfinished exhibit structures, full-size graphic layouts, placement of exhibit objects, relief map, and at the Contractor's facility.	1 Day
D.	Inspection of the completed exhibits and all exhibit elements in their final form at the Contractor's facility and receipt of the Preliminary Maintenance Manual.	1 Day
E.	Completion of on-site installation of all exhibits and submission of the Final Maintenance Manuals.	1 Day
F.	Completion of punch list deficiencies, delivery of the closeout package, return of all Government-Furnished reference materials, and final acceptance of the project.	6 Days

Any additions or corrections shall be completed and returned to the Government within seven business days. In the event the Government delays beyond the period specified, the Contractor shall be entitled to a day-to-day extension in the final completion date.

3. **DESTINATION POINT**

The completed exhibits shall be delivered and installed at:

Grand Canyon National Park  
Yavapai Observation Station  
1 Loop Road  
Grand Canyon, Arizona 86023-0129

4. **POINT OF CONTACT FOR DELIVERY**

Ten days prior to delivery, the Contractor shall contact the individual listed below and advise of exact dates and arrangements made for delivery:

Ellen Seeley  
National Park Service  
Grand Canyon National Park  
Yavapai Observation Station  
1 Loop Road  
Grand Canyon, Arizona 86023-0129

5. **REFER TO BASIC CONTRACT FOR OTHER CLAUSES WHICH APPLY TO THIS CONTRACT.**

**SECTION G**  
**CONTRACT ADMINISTRATION DATA**

1. **CONTRACTING OFFICER'S REPRESENTATIVE**

The person named below is designated as the Contracting Officer's Representative (COR):

Ellen Seeley  
Interpretive Specialist  
Grand Canyon National Park

The COR is responsible for: (1) monitoring the Contractor's technical progress including the surveillance and assessment of performance and recommending to the Contracting Officer changes in requirements; (2) interpreting the Scope of Work; (3) performing technical evaluation as required; (4) performing technical inspections and acceptances required by this contract; and (5) assisting the Contracting Officer in the resolution of technical problems encountered during performance.

**THE CONTRACTING OFFICER IS RESPONSIBLE FOR AND HAS THE SOLE AUTHORITY FOR DIRECTING AND/OR NEGOTIATING ANY CHANGES IN THE TERMS, CONDITIONS, OR AMOUNTS CITED IN THE CONTRACT. INCREASES IN THE SCOPE OF WORK SHALL BE APPROVED BY THE CONTRACTING OFFICER.**

For guidance from the COR to the Contractor to be valid, it must: (1) be consistent with the description of the work set forth in this contract; (2) not constitute new assignment of work or change the expressed terms, conditions, or specifications incorporated into this contract; (3) not constitute a basis for an extension to the period of performance or contract delivery schedule; and (4) not constitute a basis for any increase in the total contract value.

2. **TRAVEL**

The Contractor is responsible for whatever travel is necessary in the performance of this Contract. The Contractor will be reimbursed for such travel in accordance with the current official Standard Government Travel Regulations. Only coach class for common carriers will be reimbursed. Any additional travel not authorized in the Contract must be approved, in writing, by the Contracting Officer before it is actually accomplished.

At a minimum, travel shall include:

- A. Postaward Conference and Site Visit at Yavapai Observation Station, Grand Canyon National Park, Grand Canyon, Arizona.

- B. Second Site Visit at Yavapai Observation Station, Grand Canyon National Park, Grand Canyon, Arizona.
- C. On-site installation of exhibits at Yavapai Observation Station, Grand Canyon National Park, Grand Canyon, Arizona.

General Services Administration per diem rates can be accessed via the Internet at:  
[http://www.gsa.gov/Portal/gsa/ep/contentView.do?contentId=17943&contentType=GSA\\_BASIC](http://www.gsa.gov/Portal/gsa/ep/contentView.do?contentId=17943&contentType=GSA_BASIC)

3. **GOVERNMENT-FURNISHED PROPERTY**

The Contractor shall be responsible for the security and protection of Government-Furnished property provided to the Contractor in connection with this contract. Following acceptance of all work by the Government, the Contractor shall return, to the COR, all Government-Furnished property not incorporated into the exhibit.

The following listed Government-Furnished Property for will be furnished to the Contractor at the Postaward Conference and Site Visit:

- A. Planning and Design Production Notebook, including Comprehensive Plan, Graphic Schedule, Digital Schedule, Artifact Schedule, Artifact Facsimiles, and model resource material;
- B. Graphic Layouts;
- C. Graphic source material; and
- D. Exhibit Drawings.

In addition, the Government will furnish all rock specimens required by the exhibits, and high quality video transfers of stock footage for audiovisual productions.

4. **KEY PERSONNEL**

The individual(s) named below are considered "Key Personnel" for the performance of all requirements under this contract. The lists of key personnel may not be amended during the course of the Contract without the written approval of the Contracting Officer. Prior to diverting any of the specified individual(s) to other programs, the Contractor shall notify the Contracting Officer and shall submit justification, including proposed substitution, in sufficient detail to permit evaluation of the effect on the program.

Greg Morrow  
Project Manager

5. **CONTRACTOR'S PROJECT MANAGER**

The Contractor shall designate a Project Manager who will be the Contractor's authorized representative for technical and administrative performance of all work under this contract. The Project Manager shall provide the single point of contact between the Contractor and the Government's COR under this contract. All administrative support of technical personnel required to fulfill the work stated in the contract shall be the responsibility of the Contractor.

The Project Manager shall receive and execute, on behalf of the Contractor, such technical directions as the COR may issue within the terms and conditions of the contract.

6. **CONTRACT ADMINISTRATION**

Unless otherwise stated, all correspondence concerning this contract will be directed to: National Park Service, Harpers Ferry Center, Office of Acquisition Management, P.O. Box 50, 230 Zachary Taylor Street, Harpers Ferry, West Virginia 25425-0050. Telephone inquiries shall be made to Kimberly A. Strite, Contracting Officer, at (304) 535-6485.

7. **REFER TO BASIC CONTRACT FOR OTHER CLAUSES WHICH APPLY TO THIS CONTRAC.**

**SECTION H  
SPECIAL CONTRACT REQUIREMENTS**

1. **TYPE OF CONTRACT**

The Government contemplates award of a firm-fixed-price task order.

2. **POSTAWARD CONFERENCE AND SITE VISITS**

A. **Postaward Conference and Site Visit**

Travel to Grand Canyon National Park to conduct an inspection of the visitor center site, and to inspect work in progress. Work shall include meeting with the COR and Park staff to discuss all specimens, replicas, models, props, interactives, audiovisual programs, and artwork being created by the Contractor. The Contractor's Geology Subject Matter Expert shall attend this meeting.

During the Site Visit, the Contractor shall take detailed measurements of the exhibit space to ensure proper fit of all exhibit elements. The Contractor shall also note locations of heating and ventilation ducts, doors, windows, wall switches and controls, thermostats, security system alarms and sensors, changes in floor levels, floor finishes, ceiling and building structure finishes, power sources, and other elements which could impact on the placement, installation, and operation of the finished exhibits.

Work shall include meeting with Park staff regarding the integration of the exhibits with the architecture in a way that is minimally intrusive on the historic fabric of the building.

Upon completion of the Postaward Conference and Site Visit the Contractor shall provide written documentation to the COR enumerating all issues discussed and decisions made relative to the project.

B. **Second Site Visit - Revision and Development Meeting**

Travel to the Grand Canyon National Park to present the preliminary drawings including, relief model paper copy, catalog cuts, samples, isometric drawings, and color and finish sample, and to hear Park review comments, and discuss the revision and development of all exhibits, specimens, replicas, models, props, interactives, audiovisual programs, and artwork being created by the Contractor. The Contractor's Geology Subject Matter Expert shall attend this meeting.

Work shall include a final inspection of the completed visitor center and testing to ensure that all exhibit related electrical components are operational and function properly as required to meet exhibits needs.

Upon completion of the Revision and Development Meeting, the Contractor shall provide written documentation to the COR enumerating all issues discussed and decisions made relative to the project.

**C. Mock-ups and Prototypes Meeting**

Facilitate a review meeting at the Contractor's facility to present revised mock-ups and prototypes, hear Park review comments, and discuss all revisions made to the exhibits, specimens, replicas, models, props, interactives, audiovisual programs, and artwork being created by the Contractor. The Contractor's Subject Matter Expert shall attend this meeting.

Upon completion of the Mock-ups and Prototypes Meeting, the Contractor shall provide written documentation to the COR enumerating all issues discussed and decisions made relative to the project.

**3. REFER TO THE BASIC CONTRACT FOR OTHER CLAUSES WHICH APPLY TO THIS CONTRACT.**

**SECTION I  
CONTRACT CLAUSES**

1. **BRAND NAME OR EQUAL - DEPARTMENT OF THE INTERIOR**  
(DIAR 1452.210-70) (JUL 1996)
  - A. The definition for "brand name" includes identification of products by make and model.
  - B. The Government has affixed the term "brand name or equal" to one or more requirements in this solicitation. Such description is intended to provide an example of the quality and characteristics the Government deems satisfactory to fulfill this requirement. Unless the Bidder/Offeror clearly indicates in its bid or proposal that it is offering an "equal" product, the bid/offer will be assumed to offer the brand name product referenced in this solicitation.
  - C.
    - (1) Bidders/Offerors may offer "equal" products (including products of the brand name manufacturer other than the one described by brand name) if such products are clearly identified in the bids or proposals. The evaluation of bids or proposals and the determination as to equality of the product offered will be based on information furnished or identified by the bidder/offeror in its bid or proposal. The Contracting Officer is not responsible for locating or securing information which is not identified in the bid or proposal. Each Bidder and Offeror shall furnish as a part of its bid or proposal all descriptive material (such as cuts, illustrations, drawings, or other information) necessary for the Contracting Officer to:
      - (i) Establish exactly what the Bidder/Offeror proposes to furnish.
      - (ii) Determine whether the product offered meets the salient characteristics required by the solicitation.
    - (2) If the Bidder/Offeror proposes to modify a product to make it conform to the requirements of the solicitation, the bid or proposal should contain a clear description of the proposed modification and clearly mark the descriptive material to show the proposed modification.
    - (3) Modifications proposed after bid opening to make a product conform to a brand name product referenced in the solicitation will not be considered.

2. **DESCRIPTIVE LITERATURE**  
(FAR 52.214-21) (APR 2002)

- A. "Descriptive literature," as used in this provision, means information furnished by a bidder, such as cuts, illustrations, drawings, and brochures, that shows a product's characteristics or construction or explains its operation. The term includes only that information required to evaluate the acceptability of the product and excludes other information for operating or maintaining the product.
- B. Descriptive literature is required to establish, for the purpose of evaluation and award, details of the product offered that are specified elsewhere in the solicitation and pertain to significant elements such as- (1) Design; (2) Materials; (3) Components; (4) Performance characteristics; and (5) Methods of manufacture, assembly, construction, or operation.
- C. Descriptive literature, required elsewhere in this solicitation, shall be- (1) Identified to show the item(s) of the offer to which it applies; and (2) Received by the time specified in this solicitation.
- D. If the bidder fails to submit descriptive literature on time, the Government will reject the bid, except that late descriptive literature sent by mail may be considered under the Late Submissions, Modifications, and Withdrawals of Bids provision of this solicitation.
- E. If the descriptive literature fails to show that the product offered conforms to the requirements of the solicitation, the Government will reject the bid.

3. **ORDER OF PRECEDENCE** set forth in the Basic Contract is deleted in its entirety and replaced with the following:

Any inconsistency in the contract will be resolved by giving preference in the following order:

- A. Drawings;
- B. Section C, Description/Specification/Work Statement, including National Park Service Standard Fabrication Specifications, Attachment A;
- C. Section J, List of Documents, Exhibits, and Other Attachments;
- D. Section B, Supplies or Services and Price/Costs;
- E. Section I, Contract Clauses, and;
- F. Section K, Representations and Certifications, and Other Statements of Offerors.

4. **REFER TO THE BASIC CONTRACT FOR OTHER CLAUSES WHICH APPLY TO THIS CONTRACT**

**SECTION J**  
**LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS**

1. Attachment A - National Park Service Standard Fabrication Specifications, 65 pages.
2. Attachment B - Graphic Schedule, -0- pages.
3. Attachment C - Artifact Schedule, on CD-ROM, 28 pages.
4. Attachment D - Label Schedule, -0- pages.
5. Attachment E - Lighting Schedule, -0- pages.
6. Attachment F - Audiovisual Equipment Schedule, on CD-ROM, 8 pages.
7. Attachment G - Digital Production Graphic Layout Schedules, on CD-ROM, 8 pages.
8. Attachment H - Preliminary Final Graphic Layouts, dated May 15, 2006, on CD-ROM, 56 pages.
9. Attachment I - Animation Data. This information is available via the web at: [http://igp.colorado.edu/anim\\_gcan](http://igp.colorado.edu/anim_gcan) . The animation is the second one shown under “Chapter 3.”
10. Attachment J - Three VHS Tapes entitled (1) “Rainbow of Stone, A Journey through Deep Time in the Grand Canyon, TRT: 40:00,” (2) “GRCA: “Kolb and the Canyon” – 35mm Aerial and Scenic Footage, Dub of In-house 16mm Print to VHS xfr,” and (3) “GRCA: Grand Canyon Aerial & Other Footage, 16mm WP from 35mm OCN “Kolb and the Canyon” Outs, In-house Film to Tape xfr. For Reference Only.”
11. Attachment K - Exhibit Drawings entitled “Yavapai Observation Station Exhibits, Final Plan,” dated May 26, 2006, on CD-ROM, 48 pages.
12. Attachment L - Building Drawings entitled “Yavapai Observation Station, Grand Canyon National Park,” on CD-ROM, 37 pages.