



State of Utah

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Department of Administrative Services

KIMBERLY K. HOOD
Executive Director

Division of Facilities Construction and Management

DAVID G. BUXTON
Director

ADDENDUM NO. 7

Date: April 23, 2009

| To: | Company | Contact | Fax |
|-----|---------------------------------|-------------------------|--------------|
| | Explus Inc. | Brett Beach | 703-260-0790 |
| | Kubik Maltbie Inc. | Charles M. Maltbie, Jr. | 856-234-0760 |
| | Pacific Studio | Marc Burns | 206-783-5409 |
| | Superior Exhibits & Design Inc. | Duncan R. Miller | 847-364-9386 |

From: Rick James, Project Manager, DFCM

Reference: Exhibit Fabrication and Installation – Utah Museum of Natural History
University of Utah
DFCM Project No. 02243750

Subject: **Addendum No. 7**

| | |
|---|----------------|
| Addendum Cover | 11 pages |
| Revised Project Schedule | 1 page |
| Summary Integrated Completion Schedule | 1 page |
| <u>Integrated Completion Schedule Protocols</u> | <u>3 pages</u> |
| Total | 16 pages |

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.

While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum.

7.1 SCHEDULE CHANGES: See attached revised schedule for new dates for Last Date to Submit Questions, Final Addendum Deadline, Cost Proposal/Cost Reduction Proposal submittals, and Subcontract List submittals

7.2 GENERAL ITEMS:

7.2.1 See the attached Summary Integrated Completion Schedule, dated 20 April 2009.

- 7.2.2 See the attached Integrated Completion Schedule Protocols, dated April 22, 2009. This information was prepared by Big-D Construction which is the contractor of the building and site construction and which is currently on site.
- 7.2.3 Construction Cost Estimate: The Construction Cost Estimate and the Construction Budget for the work of the Exhibit Fabrication and Installation remains as presented in the RFP \$6,247,000.

7.3 QUESTIONS/ANSWERS:

- 7.3.1 Question: Within the project specifications where the approved suppliers are outlined, how does one present a supplier to the client & designer to satisfy the condition “Or equal as approved by the Designer”?
Answer: Send an email or a fax including requests for approvals for proposed subcontractor’s which are not listed in the specification to DFCM for approval by Monday April 27, 2009. We will review the qualifications of proposed subcontractors and include approvals in the Last Addendum on the date posted in the Revised Schedule.
- 7.3.2 Question: Who would you like to meet from our team?
Answer: The selection committee would like to meet the persons that will be responsible for getting the work done, and the person who will be the lead on the site during the installation period.
- 7.3.3 Question: Will you develop an agenda for us? A list of questions?
Answer: No agenda will be developed for the interview except to say that the firms will be asked to make a presentation of about 45 minutes and leave 15 minutes for questions.
- 7.3.4 Question: Do I need to bring my own projector?
Answer: It is recommended that you bring your own projector.
- 7.3.5 Question: In reviewing the 04/07/09 package, we see the Graphic Package has been revised. Some items that appeared in the 80% package are not in the 100% package. Is the 100% Design Development the FINAL package, which should supersede all previous versions? Should graphic items that appeared in the 80% Design Development be deleted if they are not in the 100% Design Development Package?
Answer: The 100% Design is the final design. Within reason the final design will change to meet the requirements of the site and other conditions. Please discard all parts of the 80% complete documents.
- 7.3.6 Question: Please identify the color selected for the Paperstone to be used on the project. Many of the available colors have different pricing.
Answer: See Spec Section 06430 for WD-2 rail substrate spec – Paperstone, color: Obsidian.
- 7.3.7 Question: Drawing X2-PW-3.00: Detail 2 on this drawing references drawing X3-TYP-4.30 for the Smell Interactive detail. Please supply this drawing.
Answer: The drawing reference is to sheet X-TYP-3.20, which is in the Typical details section of the 100% FD Exhibit Design Drawing set.

- 7.3.8 Question: Drawing X3-LD-3.11: The drawing identifies the countertop to be sandstone, but the code number that is labeled is ST-1. When you reference it on the finish schedule it calls it as a stone composite panel. On the finish schedule there is a code ST-2 and it is titled sandstone slab and the spec is 3” thick rough slab. When you reference the drawing the thickness of the slab is called out as 2” thick. Please clarify what the stone material is and what the thickness is for each application.
Answer: ST-2 should be a 2” thick Sandstone slab and this is used for the Land Colorado Plateau countertops as shown on X3-LD-3.11
- 7.3.9 Question: Life Gallery: Who supplies the curved wall/ceiling structures that house the four diorama areas?
Answer: The curved wall structures in the Life ecosystem diorama areas are by the XC. The acoustical ceiling clouds are by the General Contractor (Big -D).
- 7.3.10 Question: Please revise the Pricing Proposal Form to include the “Now Display” exhibit elements.
Answer: Please use the Pricing Proposal Form as a template to summarize your cost estimate. More detailed cost proposals can be attached to clarify how the summary of costs has been formulated. As noted on this form it is the responsibility of the XC to include all items required to complete the entire project as defined in the Contract Documents.
- 7.3.11 Question: The specifications call out for contractors paying for utilities, use charges as well parking at a shuttle site. How do we calculate these site charges and fees?
Answer: With regard to utility costs, all utility costs will be paid by the Owner. The Exhibit Fabricator is responsible to protect and restore all finishes in areas where Exhibits are to be installed. With regard to parking, there is no parking available on the construction site. All contractor labor will be required to park off the site. The options include parking on the University of Utah campus with is approximately one mile from the construction site. The cost for parking is \$10.00 per month for an "E" pass. The nearest "E" lot is on Guardsman Way and shuttling would be required to the site. Shuttling is either by a private shuttle which would be hired by the Exhibit Fabricator or by the University Campus Shuttle which is free. The U shuttle drops people off about a block away from the Colorow/Wakara intersection. No contractors are allowed to park at Red Butte Gardens or in any of the building parking lots in University Research Park
- 7.3.12 Question: In area X2-BY-3.02, are there actual “touchable” animal models in burrows that are able to be seen by viewer, or are they just places for audio? For example: mice, owl, robin, and worm.
Answer: The burrow areas in the trees contain modeled “discovery windows” with modeled animals & inset speakers. The lower bench area has speakers behind a perforated graphic panel.
- 7.3.13 Question: Where is detail drawing for 3d model bug/plant & root in backyard area? X2-BY-1.00, X2-BY-2.10, and X2-BY-3.00.
Answer: Plants and substrates are provided by Owner (as noted on X2-BY-1.00). Roots in the crawl area are by XC and shown on X2BY3.01.

- 7.3.14 Question: Where can we find more information about the crawlspace construction methods, looks? What are the internal aesthetics in the crawl space i.e. terrariums. What are the internal aesthetics in the crawl space i.e. terrariums.
Answer: As shown on X2-BY-3.01, this is a layered resilient material with internal structure.
- 7.3.15 Question: We assume that an allowance for quantities and species of plants is to be determined at this point by the scenic fabricator as no specific botanical fossils has been called out for any of the Paleo dioramas. Is this a correct assumption?
Answer: See Spec Section 10950 Plant species for Past World dioramas are provided. Quantities to be based on drawings and size of diorama as defined in the drawings.
- 7.3.16 Question: We have an inventory of Paleo plant molds from different time periods. If we can use these molds then there may be a savings to fabricate these plant models. Is this approach acceptable?
Answer: Please provide this proposal with details on plant species and location as a cost saving option in your estimate
- 7.3.17 Question: Since the murals behind dioramas are photomurals, how will the tie in of plant models and ground form coordination be addressed between the mural and diorama?
Answer: This should be reviewed in detail for each diorama with chosen scenic fabricator
- 7.3.18 Question: The ecosystem dioramas show soil cutaways. Are these continuous on all view sides of the dioramas?
Answer: The soil cutaways in Life dioramas are seen only on the front side of the diorama.
- 7.3.19 Question: The interpretive outline calls out for taxidermy mounts to be provided by the exhibit fabricator in many examples. Please note that all non game species and migratory species have to be provided by the owner according to US Fish and Wildlife Regulations. Please clarify or restate this requirement.
Answer: UMNH will provide all required permits. XC to include taxidermy and installation
- 7.3.20 Question: Drawing X2 PW-2.01 shows a rock wall in elevation #3 as a rock wall with embedded resin fossils. What is the wall surface and substructure of the wall? Is the fabricator to supply the resin fossils?
Answer: The wall beyond is GWB on metal studs. XC to provide scenic treatment and resin fossils.
- 7.3.21 Question: The First People's area shows a reconstructed dig site. Does this area have theming on the walls and floor to resemble an actual pit? What is the floor and wall surface and the sub structure of those areas? Is there a detail showing the elevation of the pit? If we are theming the pit walls what is the height of the walls?
Answer: See Spec section 10950- Scenic, Dioramas, Models & Taxidermy for notes on approved scenic finishes and reference images of the Median Village site. See X3-FP-3.00 for spot elevations of the Median Village scenic floor treatment. Note: there are exhibit rails around this exhibit (not walls) as shown on X2-FP-2.02.

- 7.3.22 Question: Is the Land Stratigraphy wall themed rock work? If so what is the wall and floor substructure materials and details?
Answer: See 1 / X3-LD-3.12 for section at this stone clad Stratigraphy wall and Spec section 04400 for notes on rock types.
- 7.3.23 Question: X2-PW-3.00 Smell Interactives- Common question for all Smell Interactives; are the smells custom formulated? Please define and identify each of the smells. Also, are there any special requirements for the containers?
Answer: See Interpretive Outlines for notes on smells in PW & LK. LD plants smells are TBD. Custom formulation may be required when standard smells are not available. XC may provide alternates for review and approval.
- 7.3.24 Question: X2-PW-3.00 Smell Interactives- Common question for all Smell Interactives; are the smells custom formulated? Please define and identify each of the smells. Also, are there any special requirements for the containers?
Answer: See Interpretive Outlines for notes on smells in PW & LK. LD plants smells are TBD. Custom formulation may be required when standard smells are not available. XC may provide alternates for review and approval
- 7.3.25 Question: General- Have you chosen a particular push button for all interactives? Will the push buttons associated with either AV monitors or interactive computers be supplied by the AV Integrator?
Answer: Allow for a 1" diameter illuminated push button – by Happ Controls or equal
- 7.3.26 Question: X3-LK-3.12 Migration Interactive- Do the LED lights for any path light all at once, or do they step and build?
Answer: Each path should light up all at once.
- 7.3.27 Question: X3-FP-2.01 Heat Sensitive Fields- Please tell us more. Are these liquid crystal panels for leaving temporary images of palm prints?
Answer: See Interactive Spec section for approved products.
- 7.3.28 Question: General- Are there any specific design requirements for flip book construction?
Answer: Flip books hardware be piano hinge type anodized aluminum and pages to be laminated in 1/8" –3/16" scratch resistant acrylic.
- 7.3.29 Question: In Section 10960 – Interactive Exhibits- number A16 mentions Lake gel floor tiles and heat sensitive paint on GWB Surface. Can you be more specific?
Answer: See Part 2 – Products in this spec section. Groundplans, Ltd. is listed as approved product for the Lake gel floor and LCR Hallcrest & Alsa Corp. are listed as approved products for the First Peoples Heat sensitive surface.
- 7.3.30 Question: According to section 10970-LIVE SYSTEMS in the specifications booklet, Pothole Crustaceans are listed as one of the live animal systems to be displayed in The Land Observatory; however, I cannot find the description in the plans. Is this live exhibit still part of the plans? And if so, where can I find the details about this?
Answer: See X3-LD-1.00 plan call out for PotHole Live Display (LD3.E04.sx01) and 4/X3-LD-3.11 for section detail.

7.3.31 Facilities and Control, Section 01500 appears to require the Exhibit Contractor to provide and/or maintain facilities such as, material hoists, temporary elevator specifications call out for contractors paying for utilities, and debris removal, monthly elevator expense, use charges as well parking at a shuttle site. Question: Is the Exhibitor Fabricator responsible for these fees separately from the GC or is this a shared expense? How should Bidders calculate comparatively this expense?

Answer: From March 18, 2010 to July 15, 2010 the construction site will be under the control of the General Contractor, which is Big D Construction. All usage of the site until the date of July 15, 2010 must be coordinated with the General contractor which is currently on the site: Big-D Construction.

7.3.32 Question: How far away is the construction parking lot?

Answer: There is no parking available on the construction site. All contractor labor will be required to park off the site. The options include parking on the University of Utah campus with is approximately one mile from the construction site. The cost for parking is \$10.00 per month for an "E" pass. The nearest "E" lot is on Guardsman Way and shuttling would be required to the site. Shuttling is either by a private shuttle which would be hired by the exhibit fabricator or by the University Campus Shuttle which is free. The U shuttle drops people off about a block away from the Colorow/Wakara intersection. No contractors are allowed to park at Red Butte Gardens or in any of the building parking lots in University Research Park.

7.3.33 Question: Who is responsible designing and/or building the Pump Room? What is the Pump Room comprised of?

Answer: We assume the Pump/ Filter closet adjacent to the Erosion Table in Land is being referred to here (as defined on notes on X3-LD-4.00-01 and in plan X3-LD-1.00). This space is defined by a concrete landing above & concrete slab below which are by GC and has a removable graphic panel by XC at the front for access (see 2/X3-LD-2.01)

7.3.34 Question: Will the Pump Room provide water treatment adequate for use within the various Water Interactive elements?

Answer: Water treatment should be provided for the Land Stream table, Our backyard Water Area and Live Displays and as described in the Contract Documents

7.3.35 Question: Are there water treatment specifications or criteria for the Bidders to price too?

Answer: See live display and Interactive specs and drawings for notes on criteria for systems.

7.3.36 Will all Bidders be providing for a full water treated, full recirculation, treatment system as perhaps required by the institution and public safety?

Answer: Yes, provide complete systems as per local and code requirements

7.3.37 Question: In general, if the requirements listed in the specifications differ from what are shown on the drawings, which takes precedent?

Answer: See the General Conditions.

- 7.3.38 Please describe the interview room. May we bring a projector? Is there a screen in the room in which the interview will be conducted?
Answer: The interviews will be held in the State Office Building, Room Number 4112. The State Office Building is just North of the State Capitol Building in Salt Lake City, Parking is available on the East side of the East Capitol Building. The room size is 22' x 32'. Windows with blinds are along the South side of the room (32' wall) and a solid wall with light gray paint is on the North side of the room. Projections are usually done on the North wall. We have a projector that is available, but I would recommend bringing your own projector.
- 7.3.39 How many people will be attending the interview from your side?
The voting committee has four members and there will be about 5 observers
- 7.3.40 Is there wireless internet access available in the room in which the interview will be conducted?
Answer: There is a wireless network but it is not strong. A wireless internet card works best for visitors. We do have an open internet outlet connection in the room and we will provide you a wire if needed.
- 7.3.41 Page 7 of your RFP states "Cost proposals will be kept confidential and will not be disclosed to the selection committee until after the interviews and preliminary deliberations are completed". Question: Does this also apply to the subcontractor list that is required to be turned in the day after the bids are due? The proposed subcontractor list is required the day after the bids are submitted. The committee will be allowed to see the subcontractor lists before and during the interviews. If the selection committee is reviewing our subcontractor in advance of the bids being due, how will the subcontractor list be evaluated?
Answer: See the Clarifications below.
- 7.3.42 Question: Page 15 of the RFP is the cost proposal form. For the purposes of filling out the pricing sheet, should we assume we should fill out a number based on our pricing *before* value engineering, or should the number we fill in include our value engineering ideas? These numbers will be different from one another, and we just want to know which one you would like to see put on to page 15.
Answer: The cost on the Cost Proposal Form should be the cost of the total bid to do the scope of the work as defined in the design documents. If that Cost Proposal is greater than the budget then the firm is asked to submit Cost Reduction Proposals (CRP's) which will reduce the cost of the project to a number which is less than the budget.
- 7.3.43 Per Addendum #6 the Final Addendum Date is, Wednesday, 29/April/2009 with the subsequent Cost proposals and Cost Reduction Proposals due the following, Monday, 4/May/2009. Essentially this results in 2 days to assimilate answers, in some cases convey them to subcontractor/vendors, and incorporate them into our pricing proposal. Is it possible to have more time between the Last Addendum and the Bid Submittal Due Date? It would be most helpful.
Answer: See attached Revised Schedule.
- 7.3.44 Photo Murals part A defines photo murals to be C Prints. Approved products #1 is Evergreen fabric Jet Text. This is not a Lambda C-Print, but an ink jet product. Please define the requirement.
Answer: The requirement is for a digital print on fabric. Please allow for Evergreen Fabric Jet Text or approved equal

- 7.3.45 Any tiled panels are to be wrapped with the individual wrapped panels then butted together. Please define the panel widths that will be needed. **Answer: See panel schedules**
- 7.3.46 Question: What is the quantity and size of the submittal samples?
Answer: Every graphic technique will require it's own sample (from 2x2 & 4'4'). RAA will provide graphic sample files. (See also Submittal Spec Section 01330)
- 7.3.47 Question: Under production, "files will be prepared as RGB". This is very good for C-Prints (RGB lasers), but very bad for Ink jet. All solvent and UV based inkjet both roll to roll and flatbed is based on CMYK color space. It is impossible to convert the RGB to CMYK for printing and expect an exact match for Pantones, etc. All proofs to match to need to be in CMYK color space. Please confirm that this is acceptable.
Answer: Acceptable
- 7.3.48 All scans for C-Prints will be RGB, but all scans for inkjet need to be CMYK. That way the printer is not determining the UCR/GCR for the file, rather the customer already has it defined. Please confirm that this is acceptable.
Answer: Acceptable.
- 7.3.49 Question: 400 DPI at finished size is not necessary for large mural work. This is great for the small prints, but file sizes for a large mural at 400 DPI could prove to be unmanageable. I think the description would be better to describe the minimal type size necessary to be readable at the closest viewing distance. It will really lower the production cost.
Answer: Acceptable.
- 7.3.50 Question: Will the Earthquake Simulator be attended by full-time museum staff to limit potential injury? Can the activity be re-engineered to allow for sitting upon a chair or bench to further reduce potential injury? Can the platform merely "jiggle" (i.e., maximum travel of ½") rather than move like a true earthquake?
Answer: Bids should respond to the Design as shown in the Contract Documents. As noted in drawings and specs- submittals for equipment, shop drawings and prototyping of interactives will be part of the Fabrication process and should be accounted for in your Bid.
- 7.3.51 Question: Most, if not all, of the water related activities incorporate MDF bases. Are there provisions in the Bid Review process to account for other solutions to materials to fully develop the water activities for the life-cycle required by the specification? How will other solutions be competitively compared between Bids?
Answer: To clarify, Our Backyard drawings show a wood base and the spec for WD-1 calls for a clear lacquer finish as per specifications. At the Land Stream table, a paint finish is called for in drawings and the specs list a durable suede coat finish. (See Painting spec. 09920 for approved products.) Note that all substrates that could come in contact with water are to be marine grade to prevent water damage.

- 7.3.52 Question: May the Bidders suggest re-engineered solutions to the complex activities in the Bid? For example, the sand within the Erosion Table will likely become washed to the bottom of the table. Incorporating a pivot table will make the re-loading of sand into the interactive area of the table less difficult for users. How will other engineering solutions be competitively compared between Bids?
Answer: Bids should respond to the Design as shown in the Contract Documents. As noted in drawings and specs- submittals for equipment, shop drawings and prototyping of interactives will be part of the Fabrication process and should be accounted for in your Bid.
- 7.3.53 Question: Who will supply the voucher specimens for the Flip Books?
Answer: UMNH
- 7.3.54 Question: Approximately what types of materials are being encapsulated to determine the thickness of the Flip Book pages? What should the Bidders price to?
Answer: Specimen lists are being finalized based on preliminary encapsulation samples – allow for 1/4” to 3/8” thickness for pages
- 7.3.55 Question: What content is presented in the Human Interactions Flip Books (for example, Colorado Plateau is 3 books & 10 plants each)?
Answer: See panel schedule and content outlines.
- 7.3.56 Question: What are the provisions for fresh water supply lines to the aquaria units (i.e., the Photosynthesis Activity for example)?
Answer: The GC will provide 1/2” cold water line to these locations.
- 7.3.57 Question: Where would the fresh water supply come from? Will the exhibit fabricator or general contractor be accountable for providing? It is assumed fresh water supply will be separate from the base building (city service) water supply.
Answer: 1/2" city service cold water line will be provided to exhibit location by GC. XC to provide reduced pressure backflow preventor as required when the possibility of cross contamination exists (i.e: hardpipe connections between water feature and water line).
- 7.3.58 Question: Is the Exhibit Fabricator responsible for collecting/providing the live specimens to be displayed?
Answer: UMNH will provide all required permits.
- 7.3.59 Question: Will there be an animal holding area in the back-of-house? If so, where and who is responsible for setting it up?
Answer: The animal holding area is located behind the Our Backyard water wall and is not in this contract.
- 7.3.60 Question: Who will be responsible for maintaining the animals and their habitats once installed?
Answer: UMNH
- 7.3.61 Question: The tanks sizes on the plans differ from the tank sizes in the specification sheet. Which are the correct dimensions for these tanks?
Answer: Please refer to tank sizes as shown in the drawings.

7.3.62 The design for the exhibit cases calls for hinged door connection points to be very accurately drilled into the large pieces of laminated glass. We are concerned that drilling and supporting large pieces of laminated glass from these points will create stresses strains in the glass that are likely to crack from the hole outwards. We are expecting pricing from glass producers, willing to accept the job, will reflect the risk with regard to factory processes. Exhibit Case specifications call for ½” thick laminated glass (with tempered glass as an ADD/ALT).

Answer: To clarify, Casework should be bid as: 1. Laminated low iron glass with hinge hardware attached with structural silicon and 2. Tempered glass with hardware fastened mechanically through holes in the glass. XC should clearly list both cost estimates.

7.3.63 Question: Conservation Requirements, Section 2.4 – B.1 of the Case Specifications states “*Exhibit Casework is not sealed*” and in general the case specifications do not reference or specify any type of seal for the cases. Yet, close observation of the drawing details where the glass butts together seems to indicate some sort of seal is shown. Please expand on the requirement.

Answer: The cases are not sealed to control temperature and humidity since the building mechanical systems meet conservation criteria. Silicon gaskets are shown to eliminate a visible gap at vertical glass seams.

7.3.64 Question: Conservation Requirements, Section 2.4 – A.2 of the Case Specifications states “*All Exhibit Caseworks should protect their content from fire exposure for at least 30 minutes and the force from overhead sprinklers and fire department hoses.*” How is this requirement to be met with cases that are not sealed?

Answer: See above – The intent is to protect the artifacts from damage in the event of a fire but it may be difficult to define a fire exposure “rating”. The casework should be engineered to withstand impact from overhead pressures as described.

7.3.65 Question: Glass specified on drawing X-TYP-1.60 for the Table Cases is shown as “*anti-reflective, ½, low iron tempered glass*”. Please confirm the requirement for anti-reflective glass is for the Table Cases only.

Answer: Correct, anti-reflective glass has been specified for horizontal table cases only.

7.3.66 Question: Specifications reference a computer and software to control the heliostat. Is an optical tracking heliostat acceptable?

Answer: The heliostat must fulfill all requirements of the Sun Table exhibit as defined in the Contract Documents. Equipment cut sheets and / or proposed alternates should be submitted during the submittal process (See Spec Section 01330).

7.3.66 Question: Please describe the General Contractors scope of work with regard to the opening in the roof and related work on the building as it relates to the solar instrument exhibits.

Answer: The GC will provide the opening in the roof, the skylight, the skylight enclosure and install the XC provided Heliostat equipment on the roof. The XC is to provide the Heliostat equipment and associated mirrors as required for a fully functional Sun Table Exhibit. A mock up of the Sun table exhibit must be provided to confirm exact locations for all equipment. Shop drawings must locate the placement of equipment on the roof and this is to be coordinated with GC structural requirements.

7.3.67 Question: Does the natural limestone wall section (east elev. Colorado Plateau) SHT X3-LD-2.02 contain actual or faux marine fossils? If actual geological marine samples, please provide an approved quarry to extract an approved geological sample from. Given the likelihood of extracting a successful sample and therefore a full panel are prohibitively expensive, what provisions for faux marine fossils or graphics emulating marine fossils are being considered? What should the Bidders price to?

Answer: To clarify, the Colorado Plateau stratigraphy wall shown on 1/ X3-LD-2.02 is not a single slab, it is stacked Limestone and Sandstone – see X3-LD-3.12 for cross-section detail and Spec Section 04400 Stone Cladding 1.2, A, 3 for LAND Stratigraphy notes. The stone slab shown on 2/ X3-LD-2.02 for the Fossil exhibit is a single slab. See Spec Section 04400 Stone Cladding 2.1, for Limestone with marine fossil notes and for approved local stone suppliers.



STATE OF UTAH - DEPARTMENT OF ADMINISTRATIVE SERVICES
Division of Facilities Construction and Management

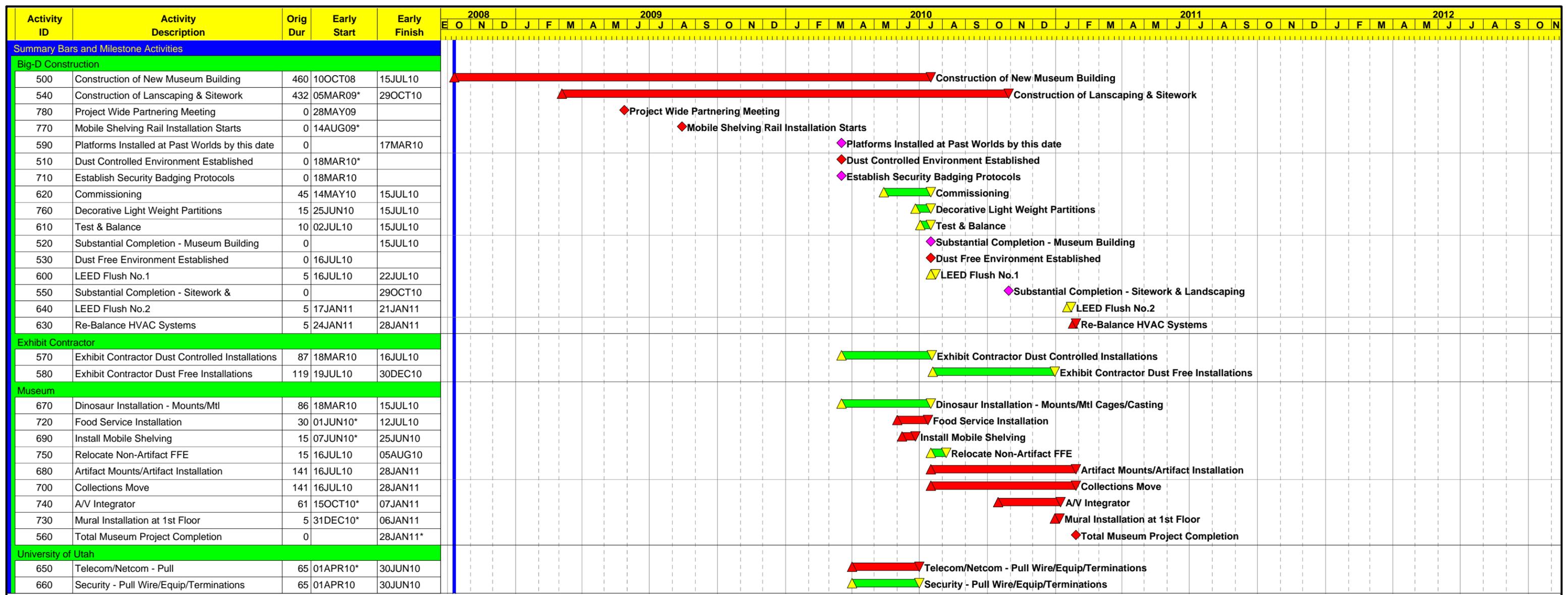
DFCM

**PROJECT SCHEDULE – REVISED
 PER ADDENDUM NO. 7 DATED APRIL 23, 2009**

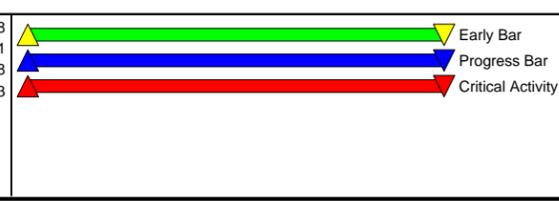
**PROJECT NAME: EXHIBIT FABRICATION AND INSTALLATION - UTAH MUSEUM OF NATURAL HISTORY
 UNIVERSITY OF UTAH – SALT LAKE CITY, UTAH
 DFCM PROJECT #: 02243750**

| Event | Day | Date | Time | Place |
|---|------------------|-----------------------|-----------------------|--|
| Request for Proposals and 80% Complete Exhibit Design Documents Available | Thursday | February 5, 2009 | 4:00 PM MST | DFCM 4110 State Office Bldg SLC, UT and the DFCM web site * |
| Non-Mandatory Pre-Proposal Audio Conference Meeting | Wednesday | February 11, 2009 | 1:00 PM MST | Call (308) 344-6400 Enter Meeting Number: 824220# See attached agenda on web site* |
| Last Day to Submit Questions prior to submittal of Statements of Qualifications | Thursday | February 26, 2009 | 4:00 PM MST | Rick James – DFCM E-mail rjames@utah.gov Fax 801-538-3267 |
| Addendum Deadline | Tuesday | March 3, 2009 | 2:00 PM MST | DFCM web site * |
| Prime Contractors turn in References, Statements of Qualifications, Management Plans (including Schedule), and Termination/Debarment Certifications | Tuesday | March 17, 2009 | 3:00 PM MDT | DFCM 4110 State Office Bldg SLC, UT |
| Short Listing by Selection Committee. 100% Exhibit Final Design Documents Available | Monday | April 6, 2009 | 3:00 PM MDT | DFCM web site * |
| Last Date to Submit Questions for Final Addendum | Monday | April 27, 2009 | 4:00 PM MDT | Rick James – DFCM E-mail rjames@utah.gov Fax 801- 538-3267 |
| Final Addendum Deadline (exception for bid delays) | Thursday | April 30, 2009 | 2:00 PM MDT | DFCM web site * |
| Prime Contractors Turn In Cost Proposals and Cost Reduction Proposals | Monday | May 11, 2009 | 12:00 NOON MDT | DFCM 4110 State Office Bldg SLC, UT |
| Subcontractor List Due | Tuesday | May 12, 2009 | 12:00 NOON MDT | DFCM 4110 State Office Bldg SLC, UT Fax 801-538-3677 |
| Interviews | Tuesday | May 19, 2009 | TBA | TBA |
| Announcement | Wednesday | May 20, 2009 | | DFCM web site * |
| Partnering Session | Thursday | May 28, 2009 | 8:00 AM MDT | TBD |
| Substantial Completion Date | Friday | December 31, 2010 | | |

* DFCM's web site address is <http://dfcm.utah.gov>.



Start Date 10OCT08
 Finish Date 28JAN11
 Data Date 10OCT08
 Run Date 20APR09 10:13



MUSS

Sheet 1 of 1

Utah Museum of Natural History
 Summary Integrated Completion Schedule

| Date | Revision | Checked | Approved |
|------|----------|---------|----------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Attachment Number 1, Addendum No. 7
Exhibit Fabrication and Installation
Utah Museum of Natural History
DFCM Project 02243750

April 22, 2009

UTAH MUSEUM OF NATURAL HISTORY

INTEGRATED COMPLETION SCHEDULE PROTOCOLS SCOPE CLARIFICATIONS

Security Measures After Dust Control-

Given the priceless nature of the artifacts and other components that will be installed in the facility, a strict ID badge protocol will need to be implemented and followed after the dust controlled milestone is achieved.

Exhibit Contractor Offices-

There will be no office space inside the building during the course of this project. It is expected that the temporary office space will be staged on site at a location designated by the Owner.

Mobile Site Offices/Storage-

Mobile site offices/storage provided by each entity may need to be relocated during the project to accommodate the final installation of the landscaping elements.

Offsite Parking-

There will be no onsite parking. Type E parking permits can be arranged by contacting University of Utah campus parking. A shuttle would need to be used to get the workers to and from the jobsite.

LEED Requirements-

All entities performing work on this project need to employ LEED protocols that will result in achieving a Gold LEED rating. This includes proper trash recycling and trash disposal, using low VOC emitting materials, employing LEED accredited professionals, achieving proper indoor air quality levels and air flushout.

Permanent Utility Expenses After GC Substantial Completion-

It is anticipated that the utility expenses after GC substantial completion will be borne by the Owner.

Protection of Existing Finishes-

Each entity performing work on this project will be required to take the necessary steps to protect finishes. Any damage will need to be repaired or replaced by the entity causing damage at no cost to the Owner. At GC substantial completion, all protection will be removed to facilitate final construction cleaning and turn over. The remaining entities performing work will need to provide needed protection.

Installation Hours-

Prior to GC substantial completion, any work that conflicts or inhibits Big-D or its subcontractors may need to be performed after hours or at alternate times as coordinated with the Big-D superintendent.

Site Safety Protocols-

All entities performing work on this project will need to comply with the Big-D TH!NK safety program. This includes Hard Hats, Safety Glasses, High Visibility Vests and leather work boots that need to be worn 100% of the time.

Weekly Onsite Coordination Meetings-

All entities working on this project will be expected to attend weekly onsite meetings. Depending on the needs of the project, there may be a need to attend 2 to 3 meetings per week to effectively coordinate the work and the keep the project on schedule.

Building Information Modeling (BIM)-

Big-D is using a BIM model to coordinate the salient aspects of the building. It is expected that the Exhibit contractor will fully participate in this process immediately after selection. This may entail submission of 3D models of their scope of work in DWG format.

Public Safety Plan-

All entities working on site need to have a plan to work around the ongoing operations of the Red Butte Gardens daily operations and the fully functional shoreline trail with the related pedestrian, pet and bicycle traffic.

Elevator Use-

All entities working on site before GC Substantial completion will need to participate in monthly elevator use costs. After substantial completion, the construction use cost of the elevator will be borne by the exhibit contractor until their substantial completion.

Final Cleaning-

Big-D will final clean the building to coincide with their substantial completion date. Other entities working in the building will need to accommodate and work around this process.

It is also expected that the exhibit contractor will final clean the spaces they use at the conclusion of their scope of work.

There may be areas that will need to be final cleaned by the Owner that become dirty from the move in process. This cleaning would need to be performed prior to the opening of the facility

Dumpsters/ Trash Removal-

In conjunction with the LEED requirements for the project after GC substantial completion, the Exhibit contractor and Owner may generate trash that will need to be disposed of during the execution of their respective scopes of work.

Coordination and Scheduling of Dock Area-

Given the amount of activity that will take place throughout the facility after GC substantial completion, the use of the dock will likely need to be scheduled hour by hour to accommodate the anticipated activity.

Use of Isolation Rooms/Temporary Cold Rooms-

It is anticipated that the Isolation rooms will be used to acclimatize various artifacts and collections. When the items are delivered, they will be placed in the isolation rooms to acclimate for approximately 24 hours. Cold rooms will also be constructed for use in this process. The location of these temporary rooms remains to be determined.

Access to New Museum Contractors-

In assembling their pricing, the short listed firms may see a need to get participation and scope coverage from Big-D (the CM/GC) and Big-D's Subcontractors. While there is no obligation go do so, the Big-D contact information is noted below:

Leon Nelson - Sr. Project Manager, Big-D Construction 801-420-6305

Open Questions That Need a Response-

- 1) All organizations providing equipment or material for the museum building need to identify the sizes of each item that will not fit through the designed openings, or that cannot be routed to the final install location because of a conflicting floor plan layout.
- 2) All organizations providing equipment or material for the museum building need to identify the weight of each item (along with the size) that exceeds 500lbs in total weight.
- 3) Confirm all dinosaurs being installed in the building can break down to fit through the designed openings and throughways.