Antelope Valley Community College District

Klassen Corporation
2021 Westwind Drive
Bakersfield, CA 93301

ADDENDUM NUMBER 2 Part 1
March 9, 2010

NOTICE TO CONTRACTORS FIGURING THIS WORK

BID DATE:	Date:	Thursday, March 18 2010
	Time:	2:00 p.m.
	Place:	**Klassen Corporation Job Trailer Onsite** 3041 West Avenue "K" Lancaster, CA 93536

You are hereby notified of the following changes in the Plans and Specifications, which shall take precedence over anything contrary therein.

*** All Bid Packages.
Bid Date is now Thursday March 18, 2010 at 2pm***

Item (1) **Refer to Bid Package 3005 – Demolition, Earthwork and Asphalt Repair**

A. **DELETE:** Fire Hydrant Demolition indicated on drawing DC-1.00.
B. **DELETE:** New Fire Hydrant work indicated on drawing C-4.00.
C. **ADD under specifically included items the following:**
   1. Saw cut block wall west of gate. The length of the cut is five (5) blocks
   2. Remove Paint booth fume stack and repair of roof at substation. Demolish old Paint Booth next to substation.
   3. Relocate air line for compressor.
   4. Chain link fencing on top of substation north wall.
   5. Demolition and cap off of existing air and gas lines.
   6. Remove Substation west gate north elevation.
   7. Replace Substation fence at north elevation.
   8. Dismantle, place on pallets and deliver to the Maintenance and Operations Facility, the two paint booths located on the Health & Science Building site. Abatement of high zinc content filters on one of the paint booths is a requirement of this package. Obtain manifests of legal disposal of hazmat materials.
   9. Removal and disposal of oil materials from underground storage tank and trough prior to removal of tank and trough at the site. Obtain legal manifests for proper disposal.
   10. Site investigation required prior to bid for above items.
C. **ADD**: Section 02310 GRADING

Item (2) **Refer to Bid Package 3021 – Utilities**

A. **ADD under specifically included items the following:**
   1. Protect all underground work/stub ups/grates/etc. for the duration of the project including traffic plates. Construction traffic will be going through the site. any damage will be the responsibility of this package.

2. For gas and water, provide and install shutoff valves to grade for building POC's in order to limit campus shutdowns.
3. Pothole all existing as-builts of all utilities around the site. Routing of piping is diagrammatic and contractors are responsible to route utilities as needed.
4. The As-built drawings of existing utilities on site are included herewith for reference.
5. Coordinate with plumbing contractor for correct invert elevations for all POC's to be located five feet outside of building point of connection.
6. Perforated French drain system in connection with storm drain system is a portion of this contract.

B. **DELETE:** Section 02320 TRENCHING, BACKFILLING and COMPACTING. This section is not a part of the contract documents.

C. **ADD:** Section 02318 EXCAVATING, BACKFILLING AND COMPACTING FOR UTILITIES

Item (3) **Refer to Bid Package 3035 – Landscape**

A. **DELETE:** Section 02320 TRENCHING, BACKFILLING and COMPACTING. This section is not a part of the contract documents.

B. **ADD:** Section 02318 EXCAVATING, BACKFILLING AND COMPACTING FOR UTILITIES

Item (4) **Refer to Bid Package 3041 – Structural Concrete**

A. **DELETE:** Section 03335 and associated scope of work listed under this section.

B. **DELETE:** Section 07116 and associated scope of work listed under this section.

C. **ADD:** Abrasive Stair Nosings per section 05500.

D. **DELETE under specifically included items the following:**
   1. Provide and install the cast in place colored concrete on the project complete at observation deck.
   2. Provide and install the Lithocrete system per the contract documents at observation deck. Coordination still required.

E. **ADD under specifically included items the following:**
   1. Periodic grading of site for construction site cleanup/access purposes as required due to construction traffic, especially after rain.
   2. Survey in all embeds and coordinate/verify correct placement with steel contractor prior to encasement.

F. **CLARIFICATION:** Excavation, formwork, reinforcement, concrete, waterproofing, and backfill of the cast-in-place acid neutralization tank is a portion of this contract. Coordinate with all trade for their requirements.

G. **DELETE:** Pre-manufactured tank for grease interceptor.

H. **ADD:** Compression fill material/expansion material around all structural steel block outs as required or needed as shown in detail 1/ S6.08 and all similar conditions.

I. **CLARIFICATION:** Steel embeds will be supplied by the structural steel contractor.

J. **CLARIFICATION:** Reference details 6 & 7 on sheet 7.04 for similar conditions of expansion joint assemblies to be provided and installed by this package.

K. **CLARIFICATION:** Scope item 13 calls for work at landscaping areas. This is only for equipment pads. Scope item 13 calls for concrete fill at window sills. This would only apply if it is called out in the contract documents.

Item (5) **Refer to Bid Package 3042 – Site Concrete**

A. **DELETE:** Section 02751 and associated scope of work listed under this section. This is not a specification section of the contract documents.

B. **ADD under specifically included items the following:**
   1. Removable Bollards.
   2. Striping.

C. **CLARIFICATION:** Section 07900 Joint Sealers should be 07920 Joint Sealers

Item (6) **ADD Bid Package 3043 – Colored Concrete Paving (Lithocrete)**

A. Add attached bid form.

Item (7) **Refer To Bid Package 3071 – Masonry:**

A. **CLARIFICATION:** Section 07900 Joint Sealers should be 07920 Joint Sealers

Item (8) **Refer To Bid Package 3072 – GFRC Panels:**

A. **CLARIFICATION:** Metal Flashing/ brow/ trim/sill/ or covers associated with the top or bottom of the GFRC panels or windows systems shall be provided and installed by bid package 3133. It is the GFRC or Window contractor to provide and install all caulking to these metals after installation of their prospective material. Package 3133 shall caulk to other materials such as aluminum wall panels. Reference details 4F and 4G on sheet 3.03, 2D, 2E, 2F, 3D, on sheet 3.06 and 1B & 1C per sheet 3.07. These types of sheet metal products/locations will be performed by package 3133.

B. **CLARIFICATION:** Bid scope item on GFRC connections per bid forms take precedence. GFRC Contractor is required to provide all information on attachments to steel contractor prior to fabrication.

Item (9) **Refer To Bid Package 3075 – Structural Steel and Miscellaneous Steel Fabrication:**

A. **REVISE:** Additive Alternate # 6 per section 01230 of the contract specifications: Add projector platform and railing in Planetarium – Railing only is the scope of work of this alternate. Railing shall be field painted by painting contractor.

B. **DELETE:** Section 05410 and associated scope of work listed under this section.

C. **ADD under specifically included items the following:**

1. Metal railing (painted).
2. Survey in all embeds and coordinate/verify correct placement with concrete contractor prior to encasement.
3. Railing in lecture hall is painted steel railing provided and installed by this package.

D. **ADD under specifically excluded items the following:**

1. Stair Nosings
2. Perforated Metal Panels (not framework)
3. Expansion/Seismic Joint Assemblies
4. Greenhouse
5. Preformed Metal Column Covers

E. **CLARIFICATIONS:**

1. Include Item # 5 shall read: Provide and install Elevator Guide Rail Supports.
2. Provide and Install framing system for the perforated metal panels at stair # 4.

F: **CLARIFICATION**: Bid scope item on GFRC connections per bid forms take precedence. GFRC Contractor is required to provide all information on attachments to steel contractor prior to fabrication.

G: **CLARIFICATION**: L clip angle for exterior metal studs are a portion of this contract. Coordinate with Metal Stud contractor for proper location.

H: **ADD:** Provide and install 10 gauge bent plate per detail 13/4.08.

I: **DELETE:** 10 gauge bent plate per detail 13/4.08.

J: **CLARIFICATION**: Supply only plates for exterior wall studs per details 7 & 8 on sheet S8.01 and similar conditions. Coordinate correct amount/size/holes/slots with metal stud contractor.

K: **EXCLUDE:** Compressible fill material per detail 1/S6.08 and similar conditions.

L: **CLARIFICATION**: Supply and install C-Channel per detail 7A/3.03 and similar conditions.

M: **CLARIFICATION**: Provide and install HSS, plates, curved plates per details 9 & 10

on sheet S8.01. Coordinate with finishes for curvature.

N: **CLARIFICATION**: Attachments, bolts, shims, brackets associated with the metal covers typical per sheet 4.09 shall be provided and installed by package 3133.

O: **EXCLUDE:** All Stainless steel railing.

P: **CLARIFICATION**: Steel embeds will be supplied by the structural steel contractor.

Q: **CLARIFICATION**: Section 05026 Welded Stud Connectors should 05065 Welded Stud Connectors

Item (10) **Refer To Bid Package 3095 – Wood, Plastics and Food Service:**

A. **DELETE**: Sections 08310 and associated scope of work listed under this section.

B. **DELETE:** Sections 11400 and associated scope of work listed under this section.

C. **DELETE:** Sections 11450 and associated scope of work listed under this section.

D: **DELETE:** Additive Alternate #9.

E. **ADD under specifically included items the following:**

1. Additive Alternate # 10 per section 01230 of the contract specifications: Change Black # 06 Epoxy Lab countertops to Blue # 09.
2. Wall mounted bench seating and display cases.
3. Section 11601 and associated scope of work listed under this section.
4. Section 11604 and associated scope of work listed under this section.
7. Provide contaminant removal Laboratory fume hoods.
8. Prepare and submit complete shop drawings with calculations for review by the Health Department.
9. Coordinate fume hoods intake and exhaust control system with BAS. The proper interface of the fume hoods and BAS is of high importance.
10. Coordinate with HVAC, Plumbing, Electrical and Fire Management System work contractors for proper connection and interface for a 100% complete system.
11. Protection of work after installation.
12. Provide necessary equipment and means to heat/cool/condition space as required/necessary/needed to install work and maintain schedule.
13. Woven Wire Mesh and Stainless Steel Mesh per section 05500.

Item (11) **Refer To Bid Package 3131 – Roofing Water Proofing**

A. **ADD:** Section 07600 METAL FLASHINGS AND SHEET METAL WORK. Provide and install all sheet metal flashing/trim associated and necessary for the roofing system.

Item (12) **Refer To Bid Package 3133 – Standing Seam Roofing and Aluminum Wall Panels:**

A. **ADD:** Perforated Metal Panels per section 05500. Coordinate with Structural Steel Contractor for structural Framing.

B. **ADD:** Provide and install 10 gauge bent plate per detail 13/4.08 and similar conditions for aluminum panels.

C. **CLARIFICATION:** Metal Flashing/ brow/ trim/sill/ or covers associated with the top or bottom of the GFRC panels or windows systems shall be provided and installed by bid package 3133. It is the GFRC or Window contractor to provide and install all caulking to these metals after installation of their prospective material. Package 3133 shall caulk to other materials such as aluminum wall panels. Reference details 4F and 4G on sheet 3.03, 2D, 2E, 2F, 3D, on sheet 3.06 and 1B & 1C per sheet 3.07. These types of sheet metal products/locations will be performed by package 3133.

D. **CLARIFICATION:** Attachments, bolts, shims, brackets associated with the metal covers typical per sheet 4.09 shall be provided and installed by package 3133.

Item (13) **Refer to Bid Package 3171 – Doors, Frames and Hardware:**

A. **DELETE:** License requirement D-24

B. **ADD:** License requirement C-28

C. **ADD under specifically excluded items the following:**
   1. Low Voltage wiring.

D. **CLARIFICATION:** Alternate shown on bid form for changes to card readers should read Alternate # 8 and not # 6.

Item (14) **Refer to Bid Package 3195 – Aluminum Storefront Entrances and Glass and Glazing**

A. **CLARIFICATION:** The glass and aluminum framing is straight and segmented at each vertical to form the curves.

B. **CLARIFICATION:** Metal Flashing/ brow/ trim/sill/ or covers associated with the top or bottom of the GFRC panels or windows systems shall be provided and installed by bid package 3133. It is the GFRC or Window contractor to provide and install all caulking to these metals after installation of their prospective material. Package 3133 shall caulk to other materials such as aluminum wall panels. Reference details 4F and 4G on sheet 3.03, 2D, 2E, 2F, 3D, on sheet 3.06 and 1B & 1C per sheet 3.07. These types of sheet metal products/locations will be performed by package 3133.

Item (15) **Refer to Bid Package 3221 – Building Insulation:**

A. **ADD:** Section 09820 – ACOUSTICAL INSULATION and SEALANTS complete.

B. **EXCLUDE:** Insulation for standing seam roofing product.

C. **ADD:** Fire Insulation systems and attachments per section 07225 complete including smoke sealants.

D. **EXCLUDE:** Fire-safing.

E. **CLARIFICATION:** Insulation inside doors to be provided by the door contractor.

Item (16) **Refer to Bid Package 3231 – Metal Studs, Drywall, Plaster Systems, Acoustics and Sound:**

A. **ADD under specifically included items the following:**
   1. Exterior wall 8" metal studs.
   2. Contractor shall install access control panels furnished under Bid Package 3361.
   3. Protection of work after installation.
   4. Provide necessary equipment and means to heat/cool/condition space as required/necessary/needed to install work and maintain schedule.
   5. Add Section 05410 and associated scope of work listed under this section.
   6. Provide 160 hours of allowance for patching.
   7. Provide 10% of additional ceiling tiles for replacement of damaged tiles. Contractor is required to have site superintendent sign off that each rooms tiles after install are not damaged.

B. **ADD:** Add – Section 09910 – ELASTOMERIC PLASTER FINISH complete.

C. **EXCLUDE:** Section 09820 – Acoustical Insulation and Sealants.

D. **CLARIFICATION:** Section 07884 on the bid form is actually section 07842.

E. **EXCLUDE:** Section 10191- Cubical Curtains.

F. **EXCLUDE:** Fire Insulations per section 07225. Fire Safing is still a portion of this contract.

G. **CLARIFICATION:** GFRC Panels are a pre-fabricated unit. Framing with regard to these pre-fabricated units is not in this scope of work.

H. **EXCLUDE:** Insulation and clips for standing seam roofing system.

I. **CLARIFICATION:** All exterior metal stud framing, exterior wall board, building paper will be performed by this package. Aluminum Wall panel contractor will provide attachments to framing/wall board.

J. **EXCLUDE:** 10 gauge bent plate per detail 13/4.08.

K. **CLARIFICATION:** Only install/weld plates for exterior wall studs per details 7 & 8 on sheet S8.01 and similar conditions. Coordinate correct amount/size/holes/slots with steel contractor who will provide these plates.

L. **CLARIFICATION:** Section 07884 Penetration Fire Stop System should be 07842 Penetration Fire Stop Systems.

Item (17) **Refer to Bid Package 3241 – Finish Flooring, Tile, Epoxy Terrazzo, Precast Terrazzo Units, Resinous Flooring:**

A. **ADD under specifically included items the following:**
   1. Protection of work after installation.

B. Provide necessary equipment and means to heat/cool/condition space as required/necessary/needed to install work and maintain schedule.

B. **ADD:** Section 07181 MECHANICAL ROOM TRAFFIC COATING complete.

Item (18) **ADD Bid Package 3249 – Food Service and Residential Equipment**

A. Add attached bid form.

Item (19) **Refer to Bid Package 3255 – Painting:**

A. **Add under specifically included items the following:**
   1. Protection of work after installation
   2. Provide necessary equipment and means to heat/cool/condition space as required/necessary/needed to install work and maintain schedule.

Item (20) **Refer to Bid Package 3271 – Specialties**

A. **Add under specifically included items the following:**
   1. Protection of work after installation
   2. Provide necessary equipment and means to heat/cool/condition space as required/necessary/needed to install work and maintain schedule.

B. **ADD:** Section 10191- CUBICAL CURTAINS including framing, connections, tracks, and wires.

Item (21) **Refer To Bid Package 3328 – Planetarium and Lecture Hall Seating:**

A. **ADD:** Additive Alternate # 6 per section 01230 of the contract specifications: Add Planetarium Seating

Item (22) **Refer to Bid Package 3332 – Planetarium Projection Dome:**

A. **DELETE:** Dome Seating Assembly

B. **ADD:** Projection Dome Assembly

Item (23) **Refer to Bid Package 3334 – Greenhouse:**

A. **CLARIFICATION:** Section 13340 Green House should be 13125 PREFABRICATED GREENHOUSE

Item (24) **Refer to Bid Packages 3341- Plumbing and 3361 – HVAC, HVAC Controls, Sheet Metal, and Laboratory Hoods.**

A. **CLARIFICATION:** The entire four pipe system will be provided, installed and coordinated by Bid Package 3361- HVAC. Provide and install the boiler and four pipe system complete per the contract documents including but not limited to boiler, piping, insulation, connections, equipment, pumps, piping to AHU's, air separators, expansion tanks, chemical feeders as shown in the contract documents. Coordinate with Program manager for point of connection located on the outside perimeter of the Building. Provide excavation, compaction, backfill, and spoil removal requirements. This work shall also include the demolitions and re-work at the existing boiler room at the APL building.

Item (25) **Refer to Bid Package 3341 – Plumbing:**

A. **DELETE:** Specifically included item #6.

B. **ADD:** Pre-fabricated enclosure for grease interceptor.

C. **EXCLUDE:** Cast-in-place concrete enclosure for neutralization tank. Coordination still required.

D. **ADD under specifically included items the following:**

1. As-Built underground utilities and provide to the concrete contractor including vertical and horizontal controls. Layout with chalk all utilities prior to excavation for concrete.

Item (26) **Refer To Bid Package 3361 – HVAC, HVAC Controls, Sheet Metal and Laboratory Fume Hoods:**

A. **DELETE:** Section 11661.

B. **DELETE:** Specifically Included Item # 7 from the scope of work in this package.

C. **DELETE:** Specifically included Item #25 from the scope of work in this package.

D. **DELETE:** Additive Alternate # 9 per section 01030 of the contract specifications: Add two kitchens to Nutrition/Food lab (Four (4) total when completed). This work is included in the base contract.

E. **ADD under specifically included items the following:**

1. Coordinate required duct work associated with ventilation equipment and interface with the Building Automation System (BAS) and Laboratory Airflow Controls System.

F. C-20 and B License will not satisfy all requirements.

G. **CLARIFICATION:** Reference bid packages 3131 and 3133 for their general sheet metal scope of work. This work will not be performed by the HVAC contractor.

H. **CLARIFICATION:** Section 16722 Communications should be 16750 COMMUNICATIONS CABLING. Scope is for patching of EMS system to campus backbone system at the building IDF's and BDF.

Item (27) **Refer to Bid Package 3367 – Vertical Transportation**

A. **DELETE:** Section 14420

B. **ADD:** Section 14240

C. **Clarification:** Sections 07842, 08310, and 13851 are for coordination only.

Item (28) **Refer to Bid Package 3375 – Electrical, Audio Visual including Equipment and Fire Alarm Systems:**

A: **ADD under specifically included items the following:**

1. Clock system.
2. Access control power supply and conduits including low and line voltage wiring.
3. Connections to AHU'S, boiler units and exhaust fans, kitchen equipment 120 and 200 volt UPS units.
4. Seismic restraints and bracing.
5. Systems testing.

B. **EXCLUDE:** Section 16050 – Basic Electrical Material and Methods. This section is not a portion of the contract documents.

Item (29) **ALL Bid Packages:**

A. **ADD:** Attached Bidding Baseline Schedule.

B. **ADD:** Within 72 hours after the bid date, the apparent low bidder for all packages shall fully disclose the entire estimate for scope review and to establish Schedule of Values. This disclosure is for this project only and will not be shared with other trades to maintain the contractor's competitive unit pricing, manpower, sub quotes and productivity

B: **ADD:** Daily cleanup of work/floors/site is a requirement. If a contractor continually fails to perform this work the project manager will state in writing that any days beyond the date of the letter in which daily cleanup is not performed the contractor will be back charged $150 per occurrence

C. **ADD:** Detailed daily reports are required each day that a contractor is onsite. Contractor must turn in the report by 9:00 a.m. the next morning and email a copy to the project manager by end of week. If a contractor fails to perform this operation, the project manager will issue a letter stating every day missed beyond the date of the letter will

constitute a $100 back charge

D. **ADD:** All contractors are required to submit labor rate breakdowns for every trade designation per the established prevailing wages. These will be reviewed/revised by the owner contracted labor compliance agency for accuracy. These breakdowns must be submitted within two weeks of award of contract

E. **ADD:** Onsite coordination/verification and coordination meetings are a requirement of all trades. Shop drawings do not constitute coordination. Each contractor must provide a list of all necessary coordination items within three weeks of award of contract so the project manager can input all items in the schedule. Failure of two contractors to fully coordinate an item will constitute both trade splitting and cost implications

F **ADD:** Weekly contractor meetings will be held at the project manager's onsite office. All trades are required to attend these meetings when performing work or another trade is performing work that correlates to its work. This includes attending meetings when onsite coordination is needed. Failure to meetings when needed will constitute a $500 meeting missed back charge to the contractor. Any onsite cost/delays caused by lack of attendance to this meeting is not accounted for in the $500 back charge.

G. **ADD:** Any substitution requests must be submitted to the project manager prior to award of contract

I. **ADD:** Prior to award of contract prime contractor must provide all pertinent information As required by the project manager of the contractors scheduled project team for approval. Contractor's team must demonstrate that they have properly managed and built jobs of similar size and type. References for owners, subs and CM/GC who have worked with team members must be provided. Any substitution of project team must be approved by the project manager prior to implementation

J. **ADD:** Billing schedule of values shall have a closeout/punch list line item as stated in the contract general conditions. This line item shall be 5% of the total contract price. All closeout documents must be submitted and a completed punch list must be made in order to be paid for this line item

K. **ADD:** Contractors are required to submit closeout documents in the time frame requested by the project manager. Failure to complete closeout documentation will result in a back charge for increased administrative time required.

K. **Reference all bid packages under consent of bidders acceptance of bid documents:**

1. **DELETE:** The bidder has carefully examined the plans and specifications for this project, prepared and furnished by Klassen Corporation, and acknowledges their sufficiency and completeness to prepare his bid.
2. **ADD:** The bidder has carefully examined the plans and specifications for this project, prepared by TBP Architecture and issued by Klassen Corporation, and acknowledges their sufficiency and completeness to prepare his bid

L. **CLARIFICATION**: Inspector's trailer will be provided by Klassen Corporation

M. **ADD:** Attached Combined Bid Package Bid Form. Please reference the Notice to Contractor's for requirements. Please note that a separate bid must be submitted for each package and that each contractor is allowed one combined bid. Each submission must be accompanied by a Bid Bond. The requirement of a B license noted in the Notice to Contractor's is not a requirement of submitting a combined bid.

N. **CLARIFICATION:** Refer to attached Pre-Bid RFI's 1-50. Excluding 31 and 37.

O. **ADD: Attached plans and specs by TBP Architecture.**

END OF ADDENDUM

3-9-10

Sam A. Kamand Program Manager, Klassen Corporation