



**PROGRESS MEETING #19
APRIL 29, 2004**

DEATH VALLEY NATIONAL PARK
COW CREEK MAINTENANCE FACILITIES, PHASE II
PROJ NO.: DEVA-500
CONTRACT NO.: 1443C8000030904
CONTRACTOR: JR CARDENAS CONSTRUCTION INC.
ADDRESS: 11580 "I" AVENUE
HESPERIA, CALIFORNIA 92345
ORIGINAL CONTRACT AMOUNT: \$1,755,058.00
NUMBER OF CONTRACT MODIFICATIONS: 1
REVISED CONTRACT AMOUNT: \$1,755,058.00
ESTIMATED PERCENT COMPLETE TO DATE: 62%
CONTRACT COMPLETION DATE: August 2, 2004
REVISED COMPLETION DATE: NA
ESTIMATED COMPLETION DATE: June 17, 2004

ATTENDANCE:

Alyssa M. Demos	PBS&J – A/E Project Supervisor
Wayne Badder	NPS – DEVA
Mike Cardenas	JRCCI – Superintendent
David Ballard	NPS – DSC

DISTRIBUTION:

All Attendees
Jerry Nelson, PBS&J
Jerome Cardenas, JRCCI
Jimmy Clair, JRCCI
Bob Johnston, NPS – DSC
Sally McMahon, NPS – DSC

Weekly progress meeting commenced at 7:00 am, PST:

Approval of Minutes of Previous Meeting:

- No comments were made regarding the minutes taken at the progress meeting held on Wednesday, April 21st, 2004.

Submittal Schedule and Status:

- To date, 67 of the 83 (81%) required submittals have been submitted.
- Pending (3%):
 - 07600 Flashing and Sheet Metal
 - 17161 Indoor Unshielded Twisted Pair Horizontal Cabling: 4 Pair
- New Submittals that are Approved (35%) / Approved with Notations (55%):
 - None
- Submittals that are Disapproved-Resubmit (6, 7%):
 - 02821 Ornamental Gates – Shop Drawings
 - 05500 Metal Fabrications
 - 07610 Sheet Metal Roofing – Shop Drawings and Mfg. Literature
 - 15240 Vibration Isolation and Seismic Restraints
 - 15733 Direct/Indirect Evaporative Coolers
 - PBS&J has requested that Flack + Kurtz provide a signed transmittal sheet approving the MasterCool unit at CC-118.
 - 16462 Power Line Conditioners
 - Wayne Badder has requested that the power line conditioner not be installed in CC-316. JRCCI then requested that this be put into writing for the project files.
- Pending Re-Submittals (1, 17% of the 6 Disapproved-Resubmit Items):
 - 15733 Direct/Indirect Evaporative Coolers
- Pending Supplemental Submittals: (5)

- 15733 Direct/Indirect Evaporative Coolers – Alternate Honeywell Thermostat
- 15800 Ductwork Shop Drawings (CC-118)
- 15800 Ductwork Shop Drawings (CC-316) – 2 Submittals
- 17156 Outdoor Copper Twisted Pair Backbone Cabling
- Mike Cardenas, JRCCI, and Alyssa Demos, PBS&J, began reviewing the Submittal Log to identify the remaining submittals needed to finish Phase II on Tuesday, April 13th, 2004, but was unable to complete the review. Mike and Alyssa will get together early next week, to continue reviewing the status of the submittal log.

Off-Site Fabrication and Delivery Schedule:

- Week of April 26th: Aluminum window frames for CC-316.
- Week of May 3rd: Sheet metal roofing; louvered vents for CC-316.
- Week of May 10th: Gutters and downspouts; overhead sectional doors.

Request for Information (RFI) and Issues:

- Outstanding RFIs:
 - There are no outstanding RFIs at this time.
- Fuel Island Upgrades:
 - Since the weather in Death Valley is increasing each day, a price for the new UST needs to be negotiated as soon as possible in an effort to restart the progress on the fuel island upgrades moving forward before the tasks have to be postponed until the fall due to hot temperatures.

Modifications:

- RFP #1 – Structural, Architectural, Mechanical, and Electrical Revisions at CC-118 and CC-316, SK1 through SK53, and RFP #2 – Delete Boulder Bench, Detail 4, Sheet 10, Sub-Sheet L3, will be included in Modification No. 2 for Phase II.
 - PBS&J will be submitting the paperwork for Modification No. 2, via FedEx, to the DSC on Friday, April 30th.
- RFP #3 – Installation of FuelMaster® Fuel Management System, and RFP #4 – Installation of New 20,000 Gallon Double-Wall Fiberglass Underground Fuel Storage Tank; Removal of Existing 10,000 Gallon Underground Gas and 10,000 Gallon Underground Diesel Storage Tanks; Additional Fuel Island Upgrades to Meet State Water Resources Control Board and California Air Resources Board Enhanced Vapor Recovery Standards; and Installation of Two 3-foot Diameter by 6-foot Deep Corrugated Metal Pipes to be used as Foundations for a Future Shade Structure Over the Fuel Island, will be included in Modification No. 3 for Phase II.
 - PBS&J will begin drafting the paperwork for Modification No. 3 as soon as prices have been agreed upon.
- Outstanding RFPs:
 - RFP #3 – Installation of Government-Furnished FuelMaster® Fuel Management System (Tuesday, March 2, 2004)
 - Preliminary figures for RFP #3 were received by PBS&J on Wednesday, April 7th, 2004. PBS&J still needs a detailed cost breakdown for the sub-contractors' prices.
 - RFP #4 - Installation of New 20,000 Gallon Double-Wall Fiberglass Underground Fuel Storage Tank; Removal of Existing 10,000 Gallon Underground Gas and 10,000 Gallon Underground Diesel Storage Tanks; Additional Fuel Island Upgrades to Meet State Water Resources Control Board and California Air Resources Board Enhanced Vapor Recovery Standards; and Installation of Two 3-foot Diameter by 6-foot Deep Corrugated Metal Pipes to be used as Foundations for a Future Shade Structure Over the Fuel Island (Wednesday, April 14, 2004)
 - Preliminary figures and detailed breakdowns for RFP #4 were sent from JRCCI to PBS&J on Monday, April 19, 2004. A conference call between PBS&J, the DSC, and JRCCI, was held on Thursday, April 22nd, 2004, at 7:30 am PST, to discuss the proposal. JRCCI has requested that Tanks Specialists of California review the comments discussed during this conference call and is currently waiting for a revised proposal.

Work in Progress and Projected:

- CC-118:
 - Taped and applied mud to joints in gypsum wallboard along ceiling and center wall – Level 5.
 - Dry-sacked cast-in-place concrete beam above overhead garage doors.

- Painted ceiling and center wall.
- CC-316:
 - Continued installing HVAC ductwork.
 - Continued interior electrical rough-in.
 - Pre-wire fire alarm and telephone receptacles.
 - Insulated ceiling and interior walls.
 - Sheared wall.
 - Installed aluminum window and door frames.
 - The operable aluminum windows will not be available for delivery until mid-June; therefore, temporary fixed glass will be installed in the meantime.
 - Began installing gypsum wallboard along ceiling and exterior walls.
 - Devore Insulators insulated the interior restroom walls to provide additional noise reduction.
 - Installed veeder route control box.
 - Began taping and applying mud to joints in gypsum wallboard along ceiling and interior walls.
- Sitework:
 - Finished sub-grading paved areas.
 - Tested sub-grade compaction in paved areas.
 - Began spreading aggregate base for paved areas.
- Sub-soil conditions in paving areas:
 - Refer to the Field Memos dated April 26th and 27th for site observations noted by PBS&J regarding the sub-grade conditions in the areas of the Cow Creek Maintenance yard that are to be paved.
 - Krazan & Associate's representative was at the site on Wednesday, April 28th, 2004, to continue testing the compaction of the sub-grade between CC-348 and CC-57 and the compaction of the aggregate base spread in the lower portion of the site.
 - A section of soil approximately 30'x50' (approx.) in area between CC-348 and CC-57 was over-excavated 3' on Tuesday, April 27th, and left open overnight to dry out. The area was then filled in approximately 1' of gravel to "bridge" the poorer sub-soils and then with soil from Badwater in 1' lifts. Krazan & Associates testing the compaction of each lift and the results met the 95% of maximum density.
 - Krazan & Associates performed several other compaction tests along the ramp, future parking area North of CC-57, just outside of the replaced soil area, and in the South entrance of the maintenance yard. Overall, the results appear positive in most areas, with the exception of the future parking area North of CC-57. PBS&J requested that Krazan & Associates prepare samples to be lab tested for curve numbers to compare the compaction test results to. Gossard Construction will not be returning to the site until Wednesday or Thursday of next week, so if Wayne Badder decides to remove and replace additional soil due to undesirable test results, then his crew should have ample time to do so.
 - Krazan & Associate's representative also stated during his site visit that the Government-supplied aggregate base is actually classified as a coarse/silty/sand.
 - Wayne Badder expressed his confidence in the material as a road base.

Schedule Update:

- April 29th – May 14th, 2004:
 - CC-118:
 - Acid etch cast-in-place concrete beam above overhead garage doors.
 - Install evaporative cooler.
 - Paint ceiling, center wall, and exterior steel doors.
 - Install sheet metal roofing.
 - Install gutter and downspout.
 - Install overhead sectional doors.
 - Begin finish electrical.
 - CC-316:
 - Finish installing HVAC ductwork.
 - Install heat pump.
 - Install glass in aluminum frames.

- Finish installing gypsum wallboard along ceiling and interior walls.
- Install louvered vents.
- Paint and install windows.
- Finish taping joints and texturing ceiling and interior walls.
- Install sheet metal roofing.
- Install interior doors.
- Interior finish work.
- Construct exterior awnings.
- Sitework:
 - Finish spreading aggregate base for paved areas.
 - Test aggregate base compaction for paved areas.
 - Prepare aggregate base for paving.

Status of Project Record Drawings and O&M's:

- Up to date.

Other Business Relating to Work: NA

- None.

Weekly progress meeting concluded at 7: 45 am, PST.

Respectfully Submitted,

s/Alyssa M. Demos

PBS&J

Alyssa M. Demos, A/E Project Supervisor