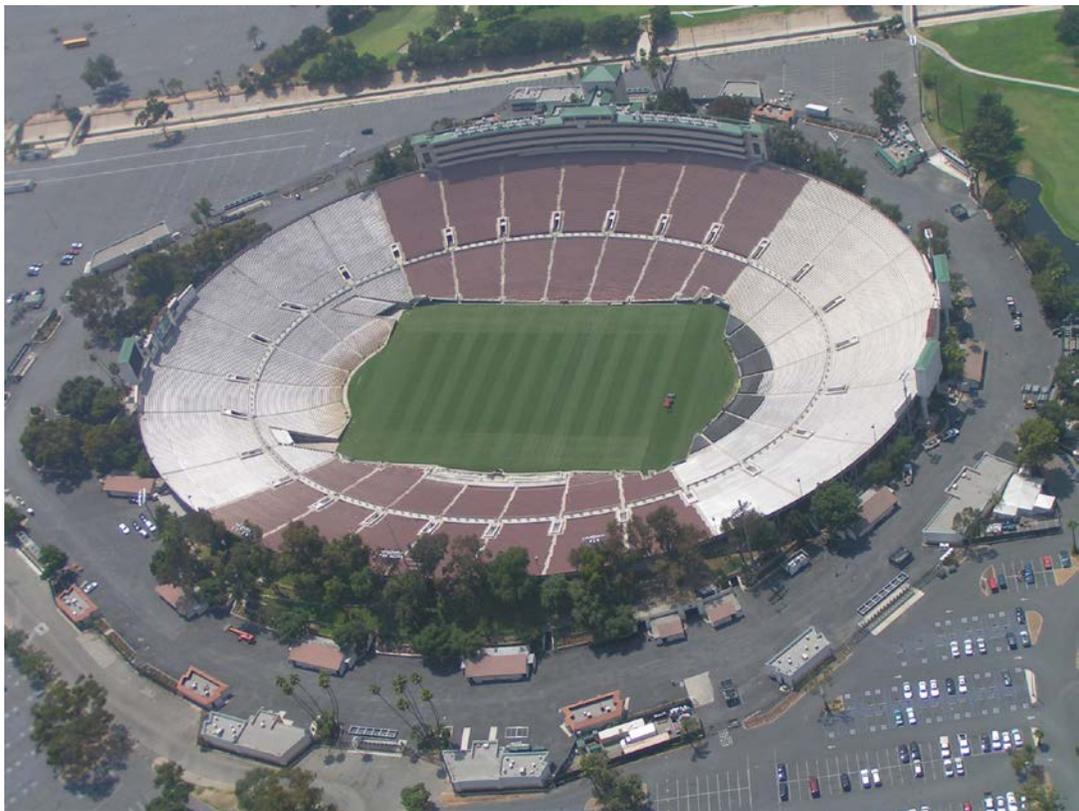


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# Rose Bowl Stadium RENOVATION & IMPROVEMENT PROJECT

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**FEBRUARY 2012**

**STATUS REPORT**

**PARSONS**



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## EXECUTIVE SUMMARY

The month of February 2012 saw another successful flea market on February 12, 2012. Semi-permanent perimeter fencing permitted the erection of structural steel and North end tunnel work to continue through Saturday – the day before the Flea Market. The remaining concourse areas available to the Flea Market were cleaned in preparation for the event.

RB-10 continued with their newly assigned work activities of forming for the Level C elevated concrete decks at the North Press Box. RB-11B (Structural Steel) continued erecting structural steel. RB-11E (Precast Seating Trays) delivered and erected the initial precast at Level D South. RB-17 made progress on tunnel widening. RB-18 continued with North Bowl demolition and made notable progress on cast-in-place concrete work. RB-18 also commenced excavation for foundations associated with three perimeter electrical enclosures. RB-19 continued planning and making submittals for electrical equipment.

Clark Construction continued with coordination and planning for the Press Box Completion (RB-12). This contractor is expected to commence construction activities in late March 2012 – mechanical, electrical and plumbing rough-in – and thereafter begin full-scale mobilization to the site in April 2012.

The Owner's Representative continued to support local participation (both local hiring and local procurement) through Pasadena First Buy Local (PFBL). Additionally, Parsons commenced the review of the Bowl / Concourse (BC) Phase 3 drawings as well as quantity take-off for the BC3 estimate to be provided in mid-March 2012.

Pasadena First Buy Local (PFBL), functioning as the Local Outreach Coordinator, focused on RB-12 (Press Box Completion) following award in support of local participation (local hiring and local subcontracting). PFBL also continued to reach out to RB-17, RB-18 and RB-19 prime contractors on local hiring and local procurement.



## LOCAL OUTREACH

### Progress to Date

A total of **82 Pasadena residents** have worked on the project. Certified wages of **\$336,655** have been paid to these workers. Contractors have reported **\$3,019,161** in local subcontracting. The RBOC reports **\$3,831,799** in local project expenditures.

### Pasadena First Buy Local

During February 2012 Pasadena First Buy Local (PFBL) facilitated the following tasks:

- City staff acknowledged the achievements of two contractors which exceeded the 15% local hiring goal. RB-10 achieved over 21% local hiring; and an RB-10 subcontractor achieved over 23% local hiring. Certificates were prepared and signed by the Director of Finance.
- On February 1, 2012, City staff facilitated a meeting with Planet Bids and discussed future planned outreach efforts.
- City staff prepared and arranged for a meeting with the General Manager's Local Hiring Advisory Group. The meeting was cancelled for the month of February due to scheduling conflicts.
- On February 6, 2012, City staff prepared and distributed a bi-weekly report containing a full written narrative of all outreach efforts facilitated on the project to the General Manager's Local Hiring Advisory Group.
- On February 14, 2012, City staff participated in a meeting with the Owners Representative, the Project Manager, and RB-19 to discuss their Local Hiring Strategy and Workforce Utilization Forms. As a follow up to the post bid interviews, the contractor was reminded to request Pasadena residents for their non-core positions indicated in their Workforce Utilization Forms.



- On February 15, 2012, City staff briefed the Flintridge Center on previous and upcoming outreach efforts. Additionally, staff provided Flintridge with a list of Pasadena residents (including names and hours only) hired on the Rose Bowl project to assist them with their reporting.
- City staff prepared and distributed Late Certified Payroll reports to each prime and subcontractor that was more than seven days late in submitting payroll.
- City staff provided ongoing assistance to RB-12, RB-17, RB-18 and RB-19, and to each of their subcontractors to setup users in *B2Gnow* and *LCPtracker*.
- City staff facilitated follow up with the Laborers Union, the Operating Engineers, and the Electrical Union regarding contractor's requests for Pasadena residents.
- On February 16, 2012, City staff briefed potential contractors regarding bidding on future Rose Bowl projects. City staff discussed the bidding process, how contractors are notified of bid opportunities and Pasadena's Local Participation Strategy.
- On February 17, 2012, City staff prepared and distributed a report to the General Manager's Local Hiring Advisory Group. The report contained a statistical breakdown of local hiring results.
- City staff provided RB-12 with local hiring referrals to prepare them for the most effective start relative to local hiring. In addition, staff also provided a list Pasadena businesses and Pasadena residents that were members of union trades.
- City staff provided RB-17 with referrals to prepare them for the most effective start relative to the local hiring. Staff provided an updated list of Pasadena residents available for referral and hire onto the project. In addition to providing a list of all Pasadena residents registered for construction job referrals, staff also provided a list of Pasadena residents that were members of union trades.



- City staff provided RB-19 with referrals to prepare them for the most effective start relative to the local hiring. Staff provided an updated list of Pasadena residents available for referral and hire onto the project. In addition to providing a list of all Pasadena residents registered for construction job referrals, staff also provided a list of Pasadena residents that were members of union trades.
- City staff provided RB-18 with referrals to prepare them for the most effective start relative to the local hiring. Staff provided an updated list of Pasadena residents available for referral and hire onto the project. In addition to providing a list of all Pasadena residents registered for construction job referrals, staff also provided a list of Pasadena residents that were members of union trades.
- City staff has facilitated intake and responses to over 630 people (Since December-2010) requesting to be part of the City's local hiring database. Responses included residency check, information to prepare them for local hiring referrals, and responses to multiple follow up walk-ins and phone calls.
- City staff conducted weekly meetings (2/7, 2/14, 2/21, and 2/28) with the Project Manager, and the prime contractors. Generally, staff assisted the contractors and the Project Manager in facilitating the Local Participation Plan including local hiring, as well as local subcontracting and procurement.
- On February 28, 2012, City staff participated in a third meeting with the Owners Representative, the Project Manager, and RB-12 as well as their subcontractors to discuss their Local Hiring Strategy and their Workforce Utilization Forms.
- City staff continued to coordinate with the Owner's Representative (2/7, 2/14, 2/21, and 2/28) to plan for the General Manager's Local Hiring Advisory Group meeting.



## PROJECT STATUS

### Design Team

During February 2012 work continued on the Press Box as well as on the North tunnel expansion, North bowl repairs and the electrical infrastructure.

An important activity this month is the placement of the concrete elevated slab at Level C of the North Press Box. RB-10 proceeded with forming activities, installation of reinforcement and anchor bolts for structural steel during the month. The concrete is scheduled for placement on February 29, 2012 and is expected to reach sufficient strength for steel erection to start the week of March 5, 2012.

The A/E team continued to support construction efforts and to provide responses to RFI's as well as review submittals. The addition of an on-site architect has made a significant contribution to the project administration reflected in expedited submittals and requests for information (RFI's). Additionally, the balance of the A/E team participates in daily telephone conferences to set priorities for responding to RFI's and returning submittals. This increased focus has produced significant reduction in turnaround times.

The A/E team delivered the "progress" plans and specifications on schedule January 27, 2012 and they were provided to Parsons' estimators on February 3, 2012 after preliminary review by both BBM and Parsons. During February 2012 Parsons' estimators performed quantity take-off and began assembling the estimate. The estimate is scheduled to be turned over to the RBOC in mid-March 2012.

### PM / Construction Manager

Bernards|Barton Malow (BBM) continued to orchestrate and guide the project. BBM was also instrumental in assuring the facility was cleaned up and ready for the monthly Flea Market.



BBM continues to monitor and oversee the day-to-day activities of the contractors on the Rose Bowl, update the construction schedule as well as maintain and monitor the budget for the project.

Also, during February 2012, both BBM and Parsons reviewed the “progress” plans and specifications for constructability as well as value engineering opportunities. The design review and value engineering comments will be forwarded to the A/E team for review and response in the coming weeks.

#### Owner’s Advocate / Owner’s Representative

Parsons has taken the lead on estimating the “progress” set of documents. The RBOC decided that a single estimate would be done for the balance of the Rose Bowl Renovation Program. As a result there will not be a need for a reconciliation of two estimates although Bernards will be provided a copy of Parsons’ estimate for their information and comment.

Concurrent with the Parsons’ estimate a comprehensive constructability review will be performed by both Parsons and BBM. The goal of this review is to refine the designs to be the most cost effective and biddable as well as identify any additional value engineering (potential cost reductions) opportunities.

Following these exercises, the RBOC will be provided with a summary list of project components with detailed costs assigned to each. The RBOC will then be able to meet with project stakeholders and thereafter provide direction to the project team on procuring the balance of the work.

Note that there is work not yet procured which is required to be installed – this includes the drainage improvements at the South end of the stadium, referred to as the SUSUMP, the restrooms adjacent to the Press Box which were removed to facilitate construction and Press Box furniture, fixtures and equipment (FF&E).



## Local Hiring

Parsons and Clarence J. Broussard & Associates, Inc. (CBA) continue to mentor and support PFBL to maximize hiring of Pasadena residents to work on the project. To that end, the Parsons' Team, in collaboration with PFBL and BBM, continue to work with the prime contractors and subcontractors on the project to identify opportunities for local hiring as well as encourage procurement from Pasadena-based businesses.

During February 2012 the local hiring team (PFBL, CBA and Parsons) focused on Clark Construction and the prime contractors on the project. The team meets with the construction team on a weekly basis at the Owner / Architect / Contractor (OAC) Meetings to discuss plans for reaching the goal of 15% for local participation. This includes reviewing upcoming labor needs of the individual contractors and subcontractors as well as suggesting ways to increase local procurement. The team's objective is to maximize the quantity of Pasadena residents working on the project and to expand local material and equipment purchases from Pasadena businesses. Our collaborative efforts will intensify as the project gears up for a full-scale mobilization in April 2012.

## Prime Contractors

Press Box Selective Demolition (RB-02), is being performed by Miller Environmental, Inc. During the month of February this contractor performed selective demolition of the Central existing Press Box. This selective demolition will permit the new structural steel to connect to the existing building to provide a seamless finished structure when complete. This selective demolition has uncovered additional lead contamination and a few as built conditions which differ from those anticipated.

Foundations (RB-10) are being performed by PCL Construction Services, Inc. During the period for this report (February 2012) PCL focused on the Level C concrete slab. PCL completed forming, reinforcement installation, setting of anchor bolts for structural steel and scheduled placement of the concrete on February 29, 2012. Following this PCL will remove formwork and re-shore the underside of the concrete deck until it fully cures.



Press Box Structural Steel (RB-11B) is being fabricated and erected by W & W Steel. During the period for this report W&W Steel's erection subcontractor, Bragg Steel, continued erection of structural steel at the South Press Box. Bragg Steel mobilized a larger track-mounted crane this month to use for the erection of structural steel and the precast concrete stadium risers.

Press Box Elevators and Escalators (RB-11C) is being performed by KONE Incorporated. This contractor has started fabrication activities. Installation of elevators and escalators is scheduled to commence in 2012 to support the single phase schedule for Press Box completion.

Press Box Fixed Seating (RB-11D) is being provided and installed by Irwin Seating. This contractor is expected to install seats in coordination with the Press Box construction. Submittals for these products have been finalized and fabrication has commenced.

Press Box Precast Concrete Stadium Risers (RB-11E) are being fabricated by Willis Construction. This contractor continued with fabrication of precast elements during February 2012 and began delivery of precast elements on February 27, 2012. The first precast elements – for Level D South – were erected on February 27, 2012.

Widening of 4 North Tunnels (RB-17) is being performed by Malcolm Drilling. During February 2012 this contractor continued with soil stabilization and selective demolition activities associated with tunnel widening. This contractor is stabilizing the soils in an approximate radius of 20 feet around the sides and roofs of four tunnels. Once the earth is stabilized the sides and roof of the tunnels will be demolished in alternating sections, excavated to the desired width, reinforced, shot-crete applied and allowed to cure. Following this the adjacent section in each tunnel will follow a similar procedure until all four tunnels (#10, #11, #12, and #13) are widened to the desired new width.



KAR Construction, Inc. is working on the North Bowl/Stadium concrete repair and new intermediate aisles (RB-18). During February 2012 this contractor continued selective demolition in the North Bowl and concrete repairs. This contractor completed excavation for the new North Bowl retaining wall, placement of foundations and formed, reinforced and placed the concrete for the vertical concrete elements. Other work underway by this contractor includes placing the concrete steps for the new aisles, repairing selective areas of the existing seating trays and placing new topping over the seating trays. Additionally, this contractor was awarded the general construction (excavation, concrete, masonry, etc.) associated with three electrical enclosures and commenced excavation on these project elements during February 2012.

During February 2012 Conti Electric, Inc. prepared submittals for review and approval. This contractor is also coordinating closely with the electrical subcontractor on the Press Box – Dynalectric – because their respective contract elements will form one complete electrical system when installed.

#### General Contractor

During February 2012 Clark Construction (RB-12) continued the mechanical and electrical utility cut and cap in the Press Box to permit demolition to proceed. This contractor also began the very detailed process of developing 3-D drawings of MEP within the Press Box with all of their utility subcontractors. This process is scheduled to be complete in March 2012. As floors are signed off / coordination is accepted, utility rough-in activities will begin. Some utility rough-in is expected to begin in late March 2012 with full-scale mobilization expected in April 2012.



## CURRENT PROGRESS

Activities were as follows:

### RB – 02

- Demolition of the remaining central section of the Press Box continued.
- Lead abatement of discovered / uncovered Press Box components continues.

### RB – 10

- Forming for the Level C elevated concrete deck commenced and was finished.
- Off site fabrication of reinforcing steel continued.
- Anchor bolts were set for structural steel.
- Concrete was placed for the Level C elevated deck.

### RB – 11

- Steel connection fabrication and connection to existing structure continued.
- Structural steel detail fabrication drawing development and shop drawing submittal continued.
- Structural steel erection continued.
- Delivery of anchor bolts (RB-11B) completed.
- Escalator and elevator fabrication continued.
- Precast stadium riser casting continued.
- Mobilization of *crawler* crane for precast stadium riser erection occurred.
- Delivery and erection of precast stadium risers commenced.
- Fixed seating fabrication commenced.

### RB – 12

- Continued MEP utility cut and cap at the Press Box.
- Commenced MEP coordination for new Press Box interior utilities.



**RB – 17**

- Contractor continued submittals.
- Completed selective demolition of arroyo stone retaining walls.
- Continued soil permeation grouting and installation of soil nails. This activity was completed for 2 of 4 tunnels.
- Commenced demolition of interior tunnel walls.

**RB – 18**

- Contractor continued submittals.
- Completed selective demolition at the field level.
- Commenced concrete repairs of seating trays.
- Commenced installation of new concrete topping on seating trays.
- Completed excavation for new field wall.
- Placed reinforcement and concrete for field wall foundations and vertical field wall elements.
- Commenced sacking of concrete wall for waterproofing application.
- Commenced application of waterproofing.

**RB – 19**

- Contractor continued submittals.
- Commenced excavation for underground utilities.

**RB – 20**

- Contractor de-mobilized.



## PROGRESS PHOTOGRAPHS

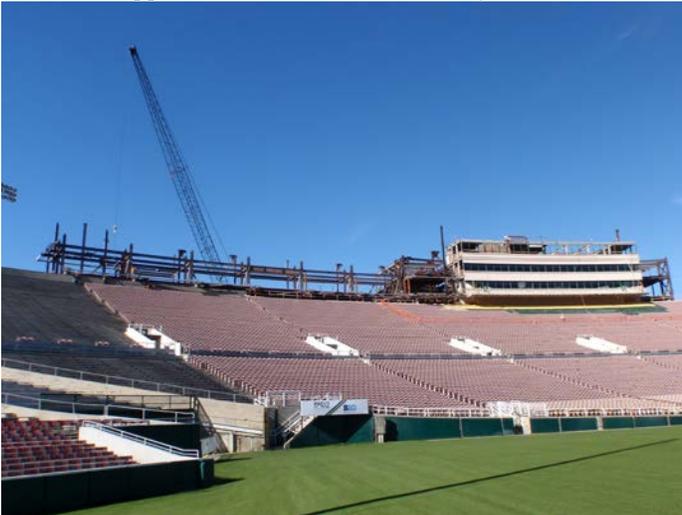
### Press Box



Press Box Upper Level Demolition, February 1, 2012



Press Box Upper Level Demolition, February 23, 2012



Press Box Field View, February 9, 2012



Press Box Field View, February 20, 2012



## North & Central Press Box



Tunnel 15 Area Progress, February 6, 2012



Tunnel 15 Area Progress, February 20, 2012



Tunnel 18 Area Progress, February 1, 2012



Tunnel 18 Area Progress, February 23, 2012



### South & Central Press Box



Crawler Crane for Precast Erection, February 23, 2012



1<sup>st</sup> Precast Seating Element Erected, February 27, 2012



Tunnel 19 Area Progress, February 1, 2012



Tunnel 19 Area Progress, February 23, 2012



### South Press Box



South Press Box Steel Progress, February 1, 2012



South Press Box Steel Progress, February 23, 2012



Tunnel 19 and 20 Area Progress, February 1, 2012



Tunnel 19 and 20 Area Progress, February 24, 2012



Tunnel 22 Area Progress, February 9 2012



Tunnel 22 Area Progress, February 24 2012



### North Tunnel Widening



Tunnel 10 Progress, February 1, 2012



Tunnel 10 Progress, February 23, 2012



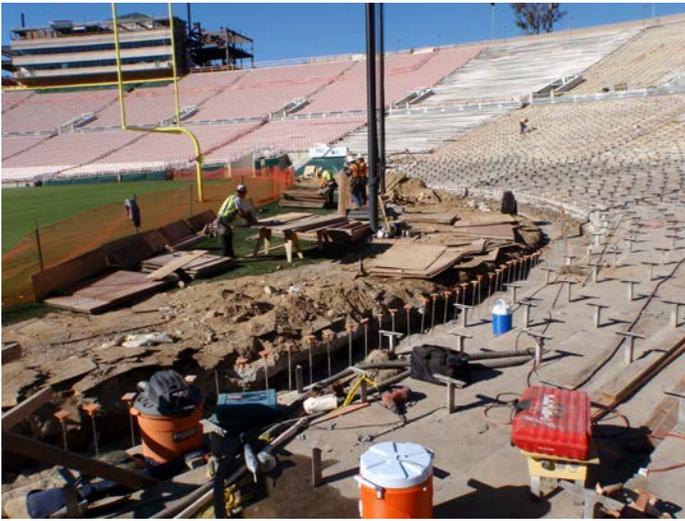
Tunnel 13 Progress, February 1, 2012



Tunnel 13 Progress, February 20, 2012



## North Bowl Activities



North Bowl Field Wall Progress, February 9, 2012



North Bowl Field Wall Progress, February 24, 2012



Tunnel 13 at Bowl Area Progress, February 1, 2012



Tunnel 13 at Bowl Area Progress, February 24, 2012



## PROGRAM SCHEDULE

### OVERVIEW

The overall program is planned for completion prior to the 100th Rose Bowl Game on January 1, 2014. There will be one more phase of significant construction which will commence following the Rose Bowl Game in 2013 and ending in advance of the first UCLA home game. During the UCLA football home game schedule through to the Rose Bowl Game, construction activities will be coordinated with tenants to minimize impacts to the fan experience.

The Project Manager, BBM, is managing the overall schedule as well as the compliance of the prime contractors with the schedule requirements. As of the end of February 2012 BBM reported that the project was making good progress recovering the five working days behind schedule which were reported last month. The demolition and structural steel trades have been placed on extended hours to make up this time.

### Construction Summary

Currently the project is expected to recover the five working days behind schedule and is expending efforts to meet the pre-set milestone construction dates in order to achieve the 1,000 seat milestone for the first UCLA home game in September 2012 as well as the final completion date of December 31, 2013. This is being accomplished in two ways:

1. The demolition at the North and South Press Box Wings was performed on two shifts.
2. The structural steel erection hours and days have been extended to 10-hour days Monday through Friday with an 8-hour day on Saturday.



Items of concern which are being closely monitored are as follows:

- Overall project budget with a focus on bringing the program back to within the original budget of \$152 million.
- Transitioning work of RB-11A to other contractors.
- Recovering the schedule slippage previously reported.

*The Project Schedule Update will be provided at the RBOC Board Meeting on March 1, 2012.*



## **COST STATUS – Project Estimate Summary**

- **Project Estimate Summary**

*The Project Estimate Summary will be provided at the RBOC Board Meeting on March 1, 2012.*