

## **BID FORM – ROOFING AND METAL PANELS BID PACKAGE 08A**

### **BIDDER**

Bidder's Firm Name: \_\_\_\_\_

Address: \_\_\_\_\_

Mailing Address

City

State

Zip

Street Address

City

State

Zip

Bidder's Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Email: \_\_\_\_\_

California Contractor's State License Board No: \_\_\_\_\_ Class Type: \_\_\_\_\_

### **1. BID**

**1.1** Bidders shall include in their bid the cost of providing all labor, material, equipment, supervision, services, taxes, insurance, licenses, fees, overhead and profit, etc. necessary or incidentally required to complete the subcontract work including, but not limited to, the attached scope of work and clarifications and in accordance with the contract documents and specifications included with this bid package.

**1.2** It is understood that this Bid shall remain in effect, and may not be withdrawn, for a period of ninety (90) days from the date that bids are due to be received.

### **2. BID DETAIL**

#### **BRADLEY WEST CONCOURSE AND CORE**

#### **North and South Concourse Total**

\$ \_\_\_\_\_

Composite Metal Wall Panels \$ \_\_\_\_\_ SF

Sheet Metal Roofing \$ \_\_\_\_\_ SF

Expansion Joints \$ \_\_\_\_\_ LF

~~Safety Restraint System~~ \$ \_\_\_\_\_

Concourse Field Mock-Ups \$ \_\_\_\_\_

#### **Core Total**

\$ \_\_\_\_\_

Composite Metal Wall Panels \$ \_\_\_\_\_ SF

Sheet Metal Roofing \$ \_\_\_\_\_ SF

Expansion Joints \$ \_\_\_\_\_ LF

~~Safety Restraint System~~ \$ \_\_\_\_\_

Core Field Mock-Ups \$ \_\_\_\_\_

**Payment and Performance Bond** \$ \_\_\_\_\_

**Warrantees from Substantial Completion to  
Final Completion December 2013** \$ \_\_\_\_\_

**Allowance – Safety and Quality Control Reviews** \$ **50,000.00** \_\_\_\_\_

**Total Price** \$ \_\_\_\_\_

ADD Alternate #1: Provide monthly rate to extend  
Warranties past Final Completion December 2013 \$ \_\_\_\_\_

**3. ALTERNATE BID ITEMS – ADD/DEDUCT ALTERNATES**

3.1 Bidders are requested to provide alternate bid pricing in accordance with the Contract Documents. Submit add, deduct or no change adjustments to the Base Bid Price (complete including overhead, insurance and profit).

**4. SCHEDULE ACKNOWLEDGEMENT**

4.1 Bidders are instructed to include all necessary overtime and/or shift work to accommodate the attached project schedule.

4.2 Bidder acknowledges he/she has reviewed the contractor's proposed project schedule and is able to complete the subcontract work in accordance with schedule requirements.

**5. INSURANCE AND BOND ACKNOWLEDGEMENT**

5.1 Bidder has reviewed the Instructions to Bidders and the sample Subcontract.

5.2 Bidder will be required to obtain a payment and performance bond. Bidder certifies that he is able, to provide a payment and performance bond for this project and that cost is included.

5.3 ~~Bidder has reviewed the Insurance Requirements for Los Angeles World Airports, Bid Package Section 5, Exhibit D, and has included the cost of the specified insurance for this project.~~

5.4 Bidder includes \$5 million dollars in Professional Liability insurance ~~if required.~~

**6. CONTRACT FORMS**

6.1 If awarded the subcontract for this scope of work, bidder agrees to execute Walsh Austin's Subcontract Agreement or Purchase Order without modifications.

6.2 Bidder has provided the required Subcontract Bid Bond equal to 10% of the total amount of the Bid Price.

6.3 Bid Bond is valid for a period of ninety (90) days from the date that bids are due.

**7. MBE/WBE PARTICIPATION**

WAJV strongly encourages MBE/WBE participation in the project. **The minimum established goal for this bid package is 13%.**

**7.1** Percentage of Total Base Bid Price that the bidder will contractually commit to utilizing certified M/WBE business in the performance of the work. \_\_\_\_\_ %

**Note: Good Faith Documentation is not required if the percentage of M/WBE commitment is equal to or higher than the minimum goal. If the percentage is less than the minimum goal, bidder must submit Good Faith Effort Documentation.**

**7.2** The percentage of M/WBE commitment above is less than the minimum goal identified by WAJV. Therefore, in accordance with the Bid Package Documents, bidder has provided all required Good Faith Documentation with the bid submission.

**8. OTHER SUBCONTRACTS**

**8.1** Provide a list of any intended use of sub tier contractors with a description of their scope. Include roofing and panel manufacturers/fabricators, system designer/manufacturer and sealant manufacturer.

- a.) \_\_\_\_\_
- b.) \_\_\_\_\_
- c.) \_\_\_\_\_
- d.) \_\_\_\_\_

**9. ADDENDA ACKNOWLEDGEMENT**

Bidder acknowledges receipt and inclusion of the following Addenda:

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

## 10. SIGNATURE

By signing this Bid Package, you are legally authorized to commit all resources of the company and are committing to the terms and conditions stated herein. Your signature commits your acceptance and compliance with all Sections, Exhibits and Addenda to this Bid Package.

On \_\_\_\_\_, 2010, Bidder's duly authorized officer approved and submitted this bid.

Bidder's Firm Name: \_\_\_\_\_

By: (Signature) \_\_\_\_\_

(Typed Name) \_\_\_\_\_

As its: (Position/Title) \_\_\_\_\_

## **11. SCOPE OF WORK – ROOFING AND METAL PANELS**

### **Precedence:**

It is understood the *Work* to be performed under this Agreement including the terms and conditions thereof, is as described in Exhibit A, Terms and Conditions together with the following Exhibit B, Scope of Work, which are intended to complement same. However, in the event of any inconsistency, Exhibit A shall govern.

### **Scope of Work:**

Items not shown on contract drawings or indicated in other contract documents but reasonably inferable from the contract documents or necessary to the integrity and proper functioning of the Subcontract Work are included in the Subcontract Work. The Subcontractor having fully inspected the site and all the relevant documents, and having formed his own independent evaluation of them, not relying on any representation by or for the CMAR agrees to furnish all labor, materials, tools, taxes, equipment and supervision to complete the *work* as further described below, including but not limited to:

Complete all **Sheet Metal Roofing, Composite Metal Panels, ~~Safety Restraint System~~ and Expansion Joints** Work in accordance with the Technical Specifications for both the Bradley West Concourse and the Bradley West Core and in conformity with the contract, drawings and other documents listed in Subcontract Exhibit C, dated January 21, 2010 and February 11, 2010, attached hereto as applicable to this scope of work and specifically Specification Sections:

003141 – Cladding Wind Load Study  
017419 – Construction Waste Management and Disposal  
018113 – Sustainable Design Requirements  
051200 – Structural Steel Framing  
051243 – Structural Steel Framing for Curtain Wall  
054000 – Cold-Formed Metal Framing  
061053 – Miscellaneous Rough Carpentry  
061600 – Sheathing  
072100 – Thermal Insulation  
072726 – Fluid Applied Membrane Air Barriers  
074243 – Composite Wall Panels  
076100 – Sheet Metal Roofing  
076200 – Sheet Metal Flashing and Trim  
077129 – Manufactured Roof Expansion Joints  
077200 – Roof Accessories  
078446 – Fire Resistive Joint Systems  
079200 – Joint Sealants  
079500 – Expansion Control  
079523 – Exterior Expansion Control  
~~112423 – Safety Restraint Systems~~  
221423 – Storm Drainage Piping Specialties

1. Subcontractor shall furnish and install a complete standing seam sheet metal roofing system for both the Bradley West Concourses and the Bradley West Core that includes but is not limited to, on-site roll-formed metal roof panels, cleats, clips, anchors and fasteners, blocking, gutters, sheet metal flashing and drainage components integral with sheet metal roofing, trim substrate board, underlayment, insulation, zee girts, and accessories shall comply with requirements indicated. Sheet metal roofing shall remain watertight.
2. Subcontractor to provide all metal roof panels to be machine curved in full lengths to cover entire roof surface and no endlaps. All flashings at metal roof to be curved, in lieu of segmented, in color to match metal roof.

### **Bid Package 08A – Addendum 03**

3. Subcontractor acknowledges metal deck tolerances will not be as stringent as roofing fabrication and erection tolerances. Subcontractor shall include survey of deck prior to installation of sheathing and account for tolerance differences by shimming z-girts or other means and methods to achieve roofing tolerances.
4. Subcontractor to provide bearing plates at all clips to prevent dimpling the substrate and to provide a properly secured roof. Subcontractor includes all necessary patching after attaching clips.
5. Subcontractor includes flashings and counterflashings as required at all roof penetrations for both the Bradley West Concourses and Bradley West Core. Penetrations shall be sealed and flashed in an approved manner.
6. Subcontractor includes field water testing at areas to be determined by CMAR, including, but not limited to, gutter, roof edge to roof eave, metal panel joints, curtain wall to metal panel soffit and expansion joints. Subcontractor shall conduct water testing in the field on the permanent roofing and metal panel installation so as not to impede the construction schedule as specified. Testing to be performed with an independent agency as described in the project specifications and coordinated with the project specifications and project schedule. Test results to be provided for each area in accordance with the project specifications. Subcontractor includes costs in this proposal for field testing as well as payment to the third party agency.
7. Subcontractor shall furnish and install all roofing accessories ~~including but not limited to roof hatches, walkway pads and~~ as it relates to stainless steel gutters.
8. Subcontractor to furnish and install downspout/column covers as shown in details on concourse drawings sheet A7203 and A7204. Downspout/column covers at the Core to be of similar construction. ~~Subcontractor includes labor cost to remove and re-install curtain wall mullions at downspout locations to install column covers.~~
9. Subcontractor to furnish and install downspout covers with seismic connections ~~to the roof drain leaders.~~ Reference details on concourse drawings sheets A7203, A7204 and A7315. ~~Any exposed roof downspouts shall be included in Subcontractor work and match appearance of adjacent metal panel finish.~~ Roof drain leaders and roof drains to be by others.
10. Subcontractor shall furnish and install all stainless steel flashing, flashing pans, reglets and sealants as it pertains to own scope of work.
11. ~~Subcontractor to furnish and install the safety restraint system. The roofing system shall include provisions to accept the safety restraint rail system. Subcontractor includes the monorail system, track and required accessories as shown on the concourse drawings detail 10/A7412.~~
12. Subcontractor shall furnish and install all sealants as required within the roofing systems, metal flashings, trim, metal panel systems, and between the Subcontract Work and adjacent work. The exterior bead of caulk will be installed in a custom color approved by the Architect and as coordinated with CMAR.
13. Subcontractor shall furnish and install all painted aluminum parapet caps at the Concourse piers and at the Core curtain wall parapets.
14. Subcontractor shall furnish and install a metal-faced composite wall panel assembly for both the Bradley West Concourses and Bradley West Core comprised of , metal-faced composite wall panels, soffit panels, attachment system components, miscellaneous metal framing, membrane air barriers and accessories necessary for a complete weathertight wall system. Metal stud back-up for composite panels to be provided by others.
15. Subcontractor shall furnish and install all wall panel accessories required for a complete metal-faced composite wall panel assembly for both the Bradley West Concourses and Bradley West Core including trim, copings, fascia, sills, corner units, clips, flashings, sealants, gaskets, fillers, closure strips, and similar items. Materials and finish shall match the metal-faced composite metal panels.
16. Subcontractor shall furnish and install all exterior expansion joint systems both vertical and horizontal at the roof, curtain wall and masonry and as required for a complete exterior expansion control system. Subcontractor includes joint details shown on concourse drawings sheets A7500, A7501 and A7502 including the seismic joints, flexible bellows, OSHA compliant walkway system, aluminum covers, secondary moisture barriers, soffit weep vents and all transitions. Subcontractor also includes joint details shown on the core drawings sheets A7201 and A7313 as well as the OSHA walkable surface and guardrail noted on the core drawings details 3 and 5 on A6202.
17. Exposed fasteners are to be limited and avoided as often as possible.

18. Subcontractor shall provide specified flashing and trim as required to seal against weather and to provide finished appearance. Locations include but are not limited to, bases, drips, sills, jambs, corners, endwalls, framed openings, rakes, fascia, parapet caps, soffits, reveals, and fillers. Finish flashing and trim with same finish system as adjacent metal-faced composite wall panels.
19. Subcontractor shall furnish and install all metal composite panels and metal panel infill around the exterior door openings as shown on the elevations and per concourse drawings details 13, 14, 15, 16/A7210 and core drawing details 9 and 10/A7210. Work shall be coordinated with curtain wall subcontractor.
20. Subcontractor shall furnish and install both the interior and exterior metal panel systems at the Concourse curtainwall to pier transition walls. Reference concourse drawing details 1 and 9 on A7313.
21. Aluminum-faced composite wall panels are to be finished with a three-coat metallic fluoropolymer unless otherwise noted.
22. All fabricators, including but not limited to metal and steel shall be Los Angeles City certified.
23. Subcontractor shall provide a metal roofing mock up that includes but is not limited to metal roofing, gutters, flashing pans, eaves, fascia, soffits and flashing as described in the specifications. Two mock-ups shall be provided, the first for the Concourses and the second for the Core.
24. Subcontractor shall provide a metal composite panel mock-up that includes but is not limited to wall panels, soffit and fascia as described in the project specifications. Two mock-ups shall be provided, the first for the Concourses and the second for the Core.
25. Subcontractor to provide proper interface between the Subcontract Work and any walls, curtain wall systems, glazing, concrete, panels, louvers, roofing and/or waterproofing systems.
26. Subcontractor shall provide all specified warranties as it pertains to the scope of work for the metal panel system and sheet metal roofing.
27. Subcontractor shall furnish and install an OSHA approved fall protection system along the roof at the gutter locations on a temporary basis. Subcontractor shall maintain the system while own Work is in progress.
28. Subcontractor to issue fully coordinated shop drawings and calculations with all slopes, crickets and plumbing drains noted. Sheet Metal Roofing and Composite Panel drawings and calculations to be signed and sealed by a California licensed structural engineer. Subcontractor to include all requisite permits for the Subcontract work and meet all LADBS deferred permit requirements. Two separate sets of shop drawings and calculations should be submitted, the first for the Concourse and the second for the Core.
29. Subcontractor includes the costs associated with the third party review as described in the project specifications.
30. Subcontractor shall require the manufacturer to send a non-sales representative to inspect installation of own Work on-site periodically or at milestones as necessary and provide written report to CMAR after each site visit.
31. Subcontractor includes manufacturer to review all shop drawings and provide written notification that all details meet or exceed manufacturer's requirements. All modifications required to meet the manufacturer's requirements and to assure an effective warranty shall be incorporated into the project at no additional cost.
32. Subcontractor shall provide a full-time, on-site, quality control representative that is not employed by the Subcontractor and has no other responsibilities. The representative shall be certified by the manufacturers. The quality control representative shall submit daily reports of installation.
33. Subcontractor shall provide one construction clean of all installations upon Substantial Completion of the Subcontract Work as directed by CMAR. Subcontractor includes removal of all factory labels, shipping stickers and any other labels or protection from all installations at time of area turnover.
34. Subcontractor includes all required scaffolding, working platforms, and other temporary works (including required permits) necessary for completion of his work.
35. Subcontractor acknowledges that work is being performed at an active airport. Multiple mobilizations and/or off-hour work, multiple crews, overtime, night, weekend, or a combination thereof, may be required to maintain operations for this project including off-hour and/or evening deliveries.
36. Subcontractor includes cost of their own personnel to visit all fabrication shops, relating to the sheet metal roofing and composite metal panels, as often as necessary to confirm job productivity is in

- compliance with the project schedule. Subcontractor to report status of fabrication to CMAR upon their return. Owner and CMAR may elect to join subcontractor on shop visits at their own expense.
37. Subcontractor shall begin fabrication upon notification from CMAR that submittals have been approved. Subcontractor is responsible for notifying the CMAR of all delivery dates once submittals have been approved.
  38. All necessary storage and transportation of material, trucking, etc. is the sole cost of the Subcontractor.
  39. Receiving, distribution, and safe storage of composite metal panel and/or roofing assemblies and parts are the Subcontractors responsibility.
  40. Prior to beginning a new “task”, subcontractor must complete a “pre-erection survey” of existing conditions. Upon beginning all *work*, sub-contractor shall notify CMAR of any *work* in place that is not per CD’s or is constructed incorrectly before beginning *work* in that area. Beginning *work* in an area is passive acceptance of the *work* in place and thus is the subcontractors responsibility.
  41. Subcontractor shall protect all existing work that is in place surrounding the Subcontract Work area including all work below. Work shall be protected until installation and acceptance by CMAR. Subcontractor shall provide a 4 foot working platform at the clerestory, at both the North and South Concourse and the Core, that is to be installed, maintained and removed as Work progresses.
  42. The Subcontractor shall check and coordinate its Work with all Contract Drawings, Specifications, dimensions, shop drawings of other trades, and as-built conditions. Where discrepancies occur, the Subcontractor shall be responsible to immediately notify CMAR in writing of the discrepancy and request a clarification. Where notification of a discrepancy has not been made, the Subcontractor shall be responsible for the required correction. All costs incurred due to any incorrect installation shall be the responsibility of the Subcontractor.
  43. Subcontractor to provide proof of the following installer qualifications:
    - A. An experienced installer to perform work of this package who has specialized in installing sheet metal roofing similar to that required for this Project. The CMAR must be satisfied that the sheet metal roofing installer meets the below listed requirements to be submitted with the bid.
    - B. The Sheet Metal Roofing installer must have written approval of the specified Sheet Metal Roofing manufacturer that the installer has completed all necessary training required by manufacturer. Manufacturer and installer must submit with bid a letter that certifies acceptance of 1.8 Warranty / A. Special Project Weather-tightness Warranty.
    - C. Evidence of successfully completing at least three (3) standing seam sheet metal projects, one (1) of which must be a curved roof similar in size and scope to this project.
    - D. Evidence of previous on-site roll forming operation and on-site machine curving operation.
    - E. List three (3) projects completed and/or in progress with name, location, size, manufacturer, product and maximum sheet length along with radius of curve. These projects must be comprised of jobsite roll formed standing seam. Include name and telephone number of Owner and Architect.
    - F. The superintendent assigned to project has to be a qualified superintendent, certified by the manufacturer, to be considered as possibly assigned to this project. Include a list of previous Sheet Metal Roofing projects, including size, manufacturer and product. Provide resume of proposed assigned superintendent at time of award.
  44. Safety and Quality Control review. Subcontractor is to include, in their proposal, an allowance to provide safety and quality control reviews by separate professional services. This allowance will provide for the selection of a firm(s) to analyze, study, report on roofing scope of work or other related professional services at the sole discretion and direction of the CMAR. This allowance is separate from the costs associated with Items 29, 30 and 32 in the scope of work.

**Clarifications:**

1. The Project Warranty period is one (1) year and shall commence upon final completion of the entire Project. Refer to project specifications for required warranties on specific systems. All warranties start at final completion of the Project.



2. Project is registered for LEED Silver Certification. Subcontractor is responsible to comply with LEED requirements as defined in the project specifications, Prime Contract and LAWA Sustainable Airport Planning, Design & Construction Guidelines.
3. Subcontractor includes all permits and fees associated with their work. Subcontractor shall utilize materials that have associated Los Angeles Research Reports Numbers (LARR #'s).
4. All labor and material pricing shall be good through duration of Project.
5. Subcontractor shall scribe daily reports to CMAR by the following day.
6. Subcontractor is responsible for delivery, unloading and hoisting of its own materials and equipment. Subcontractor is to notify and schedule deliveries with CMAR at least 24 hours in advance.
7. Subcontractor is responsible for ordering all material in advance, warehousing, and delivering per the construction schedule. Subcontractor to include traffic control for Subcontract material deliveries.
8. Subcontractor is responsible for final jobsite cleanup of all subcontractor materials, refuse, equipment and temporary services.
9. Subcontractor is responsible for layout of Subcontractor's work from control lines and benchmark elevations provided by CMAR.
10. Subcontractor is responsible for all necessary manpower to maintain the project schedule, including multiple mobilizations, shift work and night deliveries if required.
11. Subcontractor is responsible for provided drinking water for their own personnel.
12. Additional contract drawings, specifications, addenda, bulletins beyond the bid set provided at Subcontractor's expense.
13. Subcontractor to submit all close out documents in strict adherence with the contract documents including but not limited to, as-built drawings, operation and maintenance manuals, certifications, reports, and warranties.
14. Subcontractor is responsible for coordination with the work of other trades including mandatory attendance at all job and coordination meetings.
15. Subcontractor is responsible for all labor and material escalations.
16. Subcontractor is responsible for Payment and Performance Bond.
17. Subcontractor to include all applicable taxes.
18. Subcontractor is responsible to comply with the following requirements: LEED, material submittals, quality control/assurance program and testing procedures, safety program, SWPPP and MBE/WBE participation. See exhibits for aforementioned requirements.
19. Subcontractor to issue submittals to WAJV by: (30) thirty calendar days after Notice to Award.
20. Subcontractor to include cost for any required personnel trailers and storage trailers.
21. Subcontractor to include task lighting as required to perform their subcontract work.
22. This project is subject to a Project Labor Agreement (PLA) which is included as Exhibit K in the Subcontract Agreement. In reference to Article 14, Page 23, Section 2 of the PLA, Subcontractor to include travel time cost each way to and from the designated parking area to the job site.

**EXCLUSIONS:**

1. Subcontractor shall exclude all painted break metal shown to be glazed in the curtain wall. Reference Concourse details 1, 3, 9/A7313.