ADDENDUM NO. B

January 7, 2019

PRE-BID DOCUMENTS

FOR

SCHOOL OF MEDICINE CLINICAL SKILLS AND SIMULATION SUITE PROJECT NO. 958091 CONTRACT NO. 958091-CMAR-2019-67





The following changes, additions, or deletions shall be made to the following documents as indicated for this Project; and all other terms and conditions shall remain the same.

1. <u>RFP Cover</u>

Replace the RFP cover with the one issued in this Addendum, inadvertently left off Addendum A.

2. <u>CM TABLE OF CONTENTS</u>

Replace the CM Table of Contents with the one issued in this Addendum.

3. BEST VALUE EVALUATION

Add the Best Value Evaluation.

END OF ADDENDUM



REQUEST FOR PROPOSALS

December 19, 2018

SCHOOL OF MEDICINE CLINICAL SKILLS AND SIMULATION SUITE

PROJECT NO. 958091

ADDRESS SUBMITTALS TO:



Architects & Engineers 1223 University Avenue, Suite 240 Riverside, CA 92507 ATTN: Betty Osuna, Contracts Administrator betty.osuna@ucr.edu Best Value Evaluation Questionnaires:

2:00 PM on January 29, 2019 January 11, 2019



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Executive Design Professional Agreement for CM At-Risk Delivery Advertisement for CM/Contractor Pregualification Level 2 Interview Requirements Supplemental Oral Presentation Questions **Best Value Questionnaire Best Value Evaluation** Level 2 Scoring; Best Value Evaluation Certification Advertisement for Bids Announcement to Level 2 Pregualified Bidders Project Directory Instructions to Bidders Supplementary Instructions to Bidders Information Available to Bidders Bid Form Bid Bond – Version A Agreement **General Conditions Table of Contents General Conditions** Supplementary Conditions Exhibits **Exhibits Table of Contents** Certificate of Insurance Payment Bond Performance Bond Application for Payment Selection of Retention Options Escrow Agreement for Deposit of Securities Submittal Schedule **Cost Proposal** Field Order Change Order/Contract Amendment Conditional Waiver and Release on Progress Payment Unconditional Waiver and Release on Progress Payment The Regents of the University of California Master Builders Risk Program **Bid Package Certification** Notice of Intent Key Personnel Schedule Scope of Work CM/Contractor Provided General Conditions to Subcontractors Letter of Bid Package Review **Bid Protest Procedures Project Schedule** Self-Certification - CM/Contractor/Subcontractor CM/Contractor Expanded List of Subcontractors Report of Subcontractor Information Final Distribution of Contract Dollars Value Engineering Process Certificate of Substantial Completion CM/Contractor Claim Certification Subcontractor Claim Certification



Conditional Waiver and Release Upon Final Payment Unconditional Waiver and Release Upon Final Payment

Division 1 Specifications

Evaluator Name & Title:

Date:

CMAR (CONTRACTOR)

(Name, Address, City, State Zip Code)

DO NOT RELEASE OUTSIDE UNIVERSITY

LEVEL 2 SCORING EVALUATION

CMAR CONTRACTOR MUST HAVE:	PASS	FAIL	COMMENTS:
Current and active "B" Contractor License			
Signed Declaration by the sole proprietor, general partner or corporate officer, or original notarized power of attorney or corporate resolution is attached			

1. FINANCIAL CONDITION – MAXIMUM POINTS 100

	<u>2017</u>	<u>2016</u>	2015	Verified
Current Assets:				
Current Liabilities:				
Total Revenue:				
Net Income:				
Total Debt:				
Total Assets:				
Total Net Worth:				
Total Points:				

2. RELEVANT EXPERIENCE – INCLUDE 2 PROJECTS OF SIMILAR SCOPE	. SCALE & CON	IPLEXITY - To ⁻	TAL POSSIBLE POI	NTS (150)
2. Relevant Experience	Project No. 1	Project No.2		Point Range Available
CRITERIA			FINAL EVALUATION (Meets Criteria)	
Completed or substantially completed within the past 10 years	U YES U NO	I YES I NO	YES NO (2 Projects)	0-5 Points
Project was a minimum of \$5 million in construction cost	U YES U NO	□ YES □ NO	YES NO (2 Projects)	0-10 Points
Project meets the following criteria:	 □ Demolition □ Mock-Exam Rooms □ Standardized Patient □ Staging Areas □ Multiple □ Simulation □ Rms □ Wet and Dry Instructional □ Spaces □ Control Rms with A/V □ Support Space □ Total Area: 12,924 GSF of Building Area □ YES □ NO 	☐ Total Area: 12,924 GSF o Building Area		0-30 Points
A. Bidder shall provide the following information for each project (all documents shall be double- sided, and each side shall count as one				
 page): i. <u>General project Information:</u> Submitted project information shall be no more than one page per project. a. Project name: b. Location: c. Name of Owner and current contact information: d. Contract completion date: e. Actual completion date: f. Total construction duration in calendar days: g. Project delivery method: h. GSF: i. Construction cost - contract amount: j. Construction cost - final amount: k. Change order rate - % (if over 5%, provide explanation): l. Project Management personnel (including Project Executive, Project Manager, Preconstruction Manager and Project Superintendent): 	U YES U NO	U YES U NO	YES NO (2 Projects)	0-10 Points
ii. <u>Type and scope of project:</u> Indicate the type of project using descriptive words such as renovation, new construction, Site Utilities, Indoor Dining, Kitchen Renovation, Meeting Rooms, Restrooms, Theater, and Demolition, etc. Describe in detail all aspects of the construction work scope, including but not necessarily limited to underground civil infrastructure, HVAC, electrical, plumbing, steam, fire protection, etc.	U YES U NO	U YES U NO	YES NO (2 Projects)	0-15 Points
iii. <u>Description of project similarities</u>: Compare similarities in construction with proposed UCR's SCHOOL OF MEDICINE CLINICAL SKILLS AND SIMULATION SUITE.	□ YES □ NO	U YES U NO	YES NO (2 Projects)	0-20 Points
iv. <u>Specific challenges:</u> Describe any specific challenges that had to be overcome during the design and construction process and how they were resolved. Based on those challenges, describe how your approach to managing design and construction-related activities will differ for UCR's SCHOOL OF MEDICINE CLINICAL SKILLS AND SIMULATION SUITE.	U YES U NO	U YES U NO	☐ YES ☐ NO (2 Projects)	0-20 Points
v. <u>Management Responsibilities:</u> Describe the firm's role in managing the CM at Risk subcontractors and the process used to coordinate between the Architect, Contractor and the subcontractors, and how the implementation affected the production, cost, quality, and schedule of the project.	U YES U NO	U YES U NO	YES NO (2 Projects)	0-10 Points

vi. <u>Building System Complexities:</u> Describe the complexity of the building systems similar to the proposed SCHOOL OF MEDICINE CLINICAL SKILLS AND SIMULATION SUITE , e.g., complex exterior walls and MEP systems. If your firm considers the building systems complex, describe the systems.	U YES U NO	U YES U NO	☐ YES ☐ NO (2 Projects)	0-10 Points
vii. <u>Standardization and Modularity:</u> Describe the firm's role in managing the construction supply chain in order to reduce project lead time through the standardization of products and/or modularization of products and components. More specifically, explain how the CM at Risk team eliminated unwanted variations while maximizing value.	□ YES □ NO	I YES I NO	☐ YES ☐ NO (2 Projects)	0-10 Points
viii. <u>Off-site fabrication:</u> Describe whether or not the firm implemented off-site fabrication on relevant projects. Explain the decision making system implemented to proceed with off-site fabrication or its alternative(s). Include the lessons learned from proceeding with the decision.	U YES U NO	U YES U NO	☐ YES ☐ NO (2 Projects)	0-10 Points
 Scoring Committee: B. Projects will be scored on how closely they meet the following criteria: i. Project(s) that fully meet the criteria delineated in Item 2 (Relevant Experience) will be scored favorably. ii. Complexity of the work with an emphasis on Medical Clinic and/or Teaching/Research laboratory will be scored favorably. 				
 iii. Projects that have included the successful development of CM at Risk packages, management of CM at Risk subcontractors, and coordination with the Design Professional and the University's Separate Consultants will be evaluated and scored favorably. iv. Projects with management personnel and the core team proposed under Item 3 (Management Competency) section will be evaluated favorably. v. Projects that were completed at University of California, Riverside 				
 vi. Projects that were completed at Oniversity of California, Riverside with proposed personnel under Item 3 will be scored favorably. vi. Projects that were successfully completed under critical constraints (e.g., urban setting, accelerated schedule, multiple stakeholders, etc.) will be scored favorably. vii. Projects that were successfully completed while facing specific challenges that were overcome due to the experience and expertise of project management and implementation of techniques to increase collaboration and 				
address issues will be scored favorably. TOTAL PROJECT POINTS: (Total Possible Points – 150)		 To	tal Score:	

3. N	Ianagement Competency Total Possible Points (400)	
		Points Range Available
	agement and Staffing Plan – plan that clearly shows on-the-job time commitments during the pre- struction and construction periods and for the period from substantial completion to final acceptance.	0-50 Points
Proj	ect Team Organization -	
	The chart should identify by name and title all of the proposed key personnel of each team component. Bidders proposing multiple members of the management personnel that have previous experience working at UCR and with each other on relevant projects submitted in Section 2 above will score favorably.	0-50 Points
	ffing plans that do not meet the minimum requirements will deem the CM Contractor's mittal as non-responsive.)	
Man	aging Design and Preconstruction Services:	
i.	Provide a short narrative that describes how you will manage Design and Preconstruction Services, with the application of the Plan, Do, Check, Adjust (PDCA) Cycle. Summarize your use of the "Plan" portion of the cycle during the Design and Preconstruction phase and how that planning and lessons evolve in to learning pathways which shape the "Do, Check and Adjust" aspect of the cycle.	
ii.	Describe how you will incorporate the use of set based design combined with 4-D and 5-D analysis to allow for better decision making and more efficient constructability reviews.	
iii.	Outline how you will address the need to collocate with the project team in the interim period before the Big Room is constructed.	
iv.	Provide a preliminary site logistics plan outlining initial thoughts on use of the site for such items as site deliveries, laydown space, hoisting, parking, coordination with other projects in the area, etc.	0-30 Points
v.	Provide a preliminary summary of what you feel the main challenges and risks are with project and initial thoughts on how to mitigate those risks.	
Tarç	get Value Design/Set Based Design	
i.	Outline your approach to support decision making on this project, and what decision documents will be utilized to analyze design and construction options.	0-40 Points
ii.	Provide a summary of your approach to creating and implementing a Target Value Design and Construction Framework based on the information within bidding documents.	
iii.	Provide a summary and associated tools you plan to utilize to understand the total cost of ownership and life cycle costs, and how they will be applied to the project.	
Man	aging Contract Schedule	
i.	Describe how your firm will develop the baseline schedule for this project and keep it updated. Based on the PDCA Cycle, outline how the planning in the Design and Pre- Construction Phase of the contract will utilize tools to inform in the development of the schedule and how those planning efforts will feed into the execution of a final construction schedule for the "Do Check and an Adjust" portion of the cycle.	
ii.	Provide a Preliminary contract schedule outlining timeframes for inclusion of proposed trade partners in order to accelerate participation of a complete team as soon as possible. Include proposed timelines for phasing of Deferred Approvals Packages, and organization of trade subcontractor's scope into Bid Packages to accelerate construction timeframes.	0-60 Points
iii.	Describe how you will implement an overall program to include scheduling processes and other related weekly work plan tools to track Percent Complete in the Design and Construction phases. Describe your firm's mitigation measures when there are potential issues with schedule as well as lack of participation and/or false information.	
Man	aging and Coordination with Trade Partners	
i.	Provide a short narrative that describes how you will manage trade partners in a phased design and construction process to facilitate applications of lessons learned to improvements in project design and construction processes.	
ii.	Provide a draft of Subcontractors and trade partners Bid Packages for immediate execution post- award. Include draft Best Value Questionnaires for each Bid Package. Discuss why these	

	recommendations are important to the successful execution of this project and the factors which define the minimum amount of time required to execute these packages. (Best Value Questionnaire Sample -http://www.ucop.edu/construction- services/_files/facman/contracts/BV.1_Questionnaire.docx)(?)	
iii.	Outline how you intend to organize Deferred Approvals Packages, and organize trade subcontractor's scope into Bid Packages to increase efficiency, support collaboration and leverage the experience of specific trade subcontractors.	
iv.	Describe how you intend to structure the Pre Construction and Construction Phase of the contract utilizing tools in the contract to coordinated Trade Partners and identify conflicts during the Planning portion of the PDCA cycle.	
v.	Summarize how you will leverage integration of the Contractors in the Pre-Construction phase will lead to opportunities for advanced production management and the efficiencies that would result from processes such as offsite fabrication, modularity, etc. in the Construction phase.	0-50 Points
Man	agement Competency Evaluation:	
	Management and Staffing Plan will be reviewed and scored based on the following criteria and any d items specified above.	
i.	The firm's understanding, readiness and commitment to properly manage the SCHOOL OF MEDICINE CLINICAL SKILLS AND SIMULATION SUITE project in accordance with the requirements of the Contract.	
ii.	The firm's demonstrated experience and readiness in managing preconstruction and design services, subcontractors, contract schedules, construction costs and quality assurance programs to achieve Project Objectives.	
iii.	The firm's demonstrated experience and readiness in implementing tools in project delivery in accordance with the requirements of the Contract.	
iv.	The strength, experience, and work history of the personnel that will be assigned to the team and time commitment to this project. Firms that propose management personnel with prior experience where members of the management personnel that have previous experience working at UCR and with each other, as well as being consistent with the relevant projects submitted in Section 2 above, will be scored favorably.	

3. Management Competency Continued

CMAR (CONTRACTOR) KEY PERSONNEL EXPERIENCE

Key Personnel Title	Experience Points Max	Relevant Education 5 points	Project Management Training/Tools 3 points	Certificates/ Licenses 2 points	Total Points	Percent of Total
 PROJECT EXECUTIVE Provide specific information regarding experience with supporting the utilization of the CM at Risk delivery required in the UCR Agreement. Prior work experience at UCR preferred 	10	☐ BA/BS ☐ Other ☐ None				Passing Rate ≥60%
 PROJECT MANAGER Provide specific information regarding experience with managing projects that utilized the CM at Risk delivery required in the UCR Agreement. Provide information on experience in the Development of Built in Quality Programs and Plans. Prior work experience at UCR preferred 	10	☐ BA/BS ☐ Other ☐ None				Passing Rate ≥60%
 PRE-CONSTRUCTION MANAGER Provide specific information regarding experience with managing projects that utilized CM at Risk delivery required in the UCR Agreement. Include experience in support of the assembly of bid packages within the project budget. Provide information on experience in the Development of Built In Quality Programs and Plans 	10	☐ BA/BS ☐ Other ☐ None				Passing Rate ≥60%
 ESTIMATOR Provide specific information regarding experience with managing projects that utilized the CM at Risk delivery required in the UCR Agreement, and to support the assembly of cost estimates within the project budget. 	10	☐ BA/BS ☐ Other ☐ None				Passing Rate ≥60%

Key Personnel Title	Experience Points Max	Relevant Education 5 points	Project Management Training/Tools 3 points	Certificates/ Licenses 2 points	Total Points	Percent of Total
 Provide specific information regarding experience with projects that utilized the CM at Risk delivery required in the UCR Agreement and the use of systems to develop and track the project schedule. Provide – if any – information regarding experience with schedule optimization. 	10	☐ BA/BS ☐ Other ☐ None				Passing Rate ≥60%
 MEP/BIM COORDINATOR Provide specific information regarding experience with managing projects that utilized the CM at Risk delivery required in the UCR Agreement, supporting the analysis and coordination of the appropriate building systems. Also, information about experience with collaborating with manufacturers to manage off- site fabrication will be scored favorably. Provide specific information regarding experience structuring Project Information Systems and managing projects that utilized BIM for design and engineering, clash detection, analysis of construction phasing and coordination, integration of cost modeling and use of outside tools such as Virtual Design and Construction (VDC), Total Station Layout, BIM 360 or other software, Laser Scanning, etc. 	10	☐ BA/BS ☐ Other ☐ None				Passing Rate ≥60%
 Provide specific information regarding experience managing projects that utilized the CM at Risk delivery required in the UCR Agreement, and, in particular, use of visual management tools to track progress and coordinate work. Provide information regarding experience with use of outside tools such as Virtual Design and Construction (VDC), Total Station Layout, BIM 360 or other software, Laser Scanning, or other technological tools to help plan and manage work in the field. 	10	☐ BA/BS ☐ Other ☐ None				Passing Rate ≥60%

Key Personnel Title	Experience Points Max	Relevant Education 5 points	Project Management Training/Tools 3 points	Certificates/ Licenses 2 points	Total Points	Percent of Total
 PROJECT ENGINEER(S) Provide specific information regarding experience managing projects that utilized the CM at Risk delivery required in the UCR Agreement, and, in particular, use of visual management tools to track progress and coordinate work. Provide information regarding experience with use of outside tools such as Virtual Design and Construction (VDC), Total Station Layout, BIM 360 or other software, Laser Scanning, or other technological tools to help plan and manage work in the field. 	10	☐ BA/BS ☐ Other ☐ None				Passing Rate ≥60%
 SAFETY COORDINATOR Provide specific information regarding experience with projects that utilized the CM at Risk delivery to assist in the early identification of potential hazards and mitigation of safety incidents. The Safety coordinator should hold a certification issued by the Board of Certified Safety Professionals (CSP, OHST, CHST or STSC) and be responsible for application of sophisticated and proactive training plans while maintaining a safety program based on proactive management principles. 	10	☐ BA/BS ☐ Other ☐ None				Passing Rate ≥ 50%

PROJECT TEAM PROPOSED	Points Max		Points	TOTAL POINTS
 PROJECT TEAM PROPOSED References submitted where members of the management personnel that have previous experience working at UCR and with each other as well as being consistent with the relevant projects submitted. a. Have personally completed two or more projects where Pull Planning was the primary process used for creating and updating the project schedule. b. Personally completed one or more Medical Clinic and/or Teaching/Research laboratory projects. c. Personally completed one or Medical Clinic and/or Teaching/Research laboratory Projects at UCR Campus. 	20	□ YES □ NO □ YES □ NO □ YES □ NO		
 RELATIONSHIP WITH UCR Describe how your team will work with the University's project team. Describe how your team will work with University stakeholders. 	5	☐ YES ☐ NO ☐ YES ☐ NO		
 RELATIONSHIP WITH UCR DESIGN PROFESSIONALS/PARTNERS References submitted where members of the management personnel that have previous experience working at UCR and with each other as well as being consistent with the relevant projects submitted. 	5	🗌 YES 🗌 NO		
Deficiency Justification. Provide explanation if scores fall below the minimum passing rate.				

	MANAGEMENT COMPENTENCY (Total Possible Points – 400)		Total Points
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CMAR (Contractor):

Evaluator:

4. LABOR COMPLIANCE (Total Possible Points - 100)	YES	NO	Total Points	Point Range Available
Contact Information provided of the apprenticeship program				0 - 50 Points
Violation of any provision of California apprenticeship laws or regulations, or laws pertaining to use of apprentices on public works.				'0 - (30) Points
Required to pay back wages or penalties for failure to comply with State's prevailing wage laws within the last five years.				'0 - (20) Points
5. SAFETY RECORD (TOTAL POSSIBLE POINTS – 100)	YES	NO	Total Points	Point Range Available
Written Injury and Illness Prevention Program (IIPP) complies with California Code of Regulations, Title 8, Section 1509 and 3203)				0 - 10 Points
A Written Safety Program that meets CAL/OSHA requirements. Copy of the safety program attached.				0 - 10 Points
Personnel permanently assigned and dedicated to safety.				0 - 10 Points
Accidents which resulted in a construction fatality within the last five (5) years.				'0 - (25) Points
EMR injury rating (attached) < 0.7 avg. = 20 Points,				0 - 20 Points
.7 – 1.0 avg. = 10 Points 1.0 – 1.1 avg. = 5 Points '> 1.1 avg. = 0 Points	<u>'2018</u>	<u>'2017</u>		2016

CMAR (Contractor):

Evaluator:

FINAL EVALUATION SCORING

CMAR CONTRACTOR MEETS ALL PASS/FAIL REQUIREMENTS:	
CMAR BEST VALUE EVALUATION SCORES	
	Points:
Financial Condition (Total Possible Points - 100)	
Relevant Experience Points (Total Possible Points - 150)	
Management Competency (Total Possible Points - 400)	
Labor Compliance (Total Possible Points – 100)	
Safety Record (Total Possible Points – 100)	
Interview & Oral Presentation (Total Possible Points – 150)	
TOTAL POINTS: (Total Possible Points- 1,000)	

**Note: CMAR <u>not</u> meeting all the Pass/Fail criteria will not have their project references checked and thus may not be scored on project experience, personnel experience, or financial qualifications in the above table.