

Exhibit A.2

SISKIYOU COUNTY AB900 (PHASE II) PROJECT

AMENDMENT #2 PRE-CONSTRUCTION/DESIGN MANAGEMENT SERVICES VANIR WORK PLAN PROPOSAL (Revised 1/25/2019)

DESIGN-BID-BUILD ACTIVITIES AND TASKS			
(i) PROJECT ESTABLISHMENT		Not Included. Phase Completed.	
(ii) DUE DILIGENCE		Not Included. County is Performing this Work.	
PRE-CONSTRUCTION/DESIGN MANAGEMENT SERVICES			
(1) PROJECT/PROGRAM ALIGNMENT			
Develop a space program / jail concept that matches the State contribution and budget for the A/E selection process.			
<ul style="list-style-type: none"> • Prepare preliminary space program, and budget for the Architect/ Engineer Selection. • Prepare preliminary "test fit" design concept to include as the basis of design for the Architect/ Engineer Selection. • Prepare a cost matrix Account for anomalies in the economy and bidding climate. Include market factors, escalation, allowances, and alternates to secure a project. 			
Vanir Assignment	Hours	Billing Rate	Total Cost
PD	40	\$180	\$7,200
PM	24	\$165	\$3,960
Architect	56	\$175	\$9,800
Engineer (BIM Technician)	40	\$150	\$6,000
Estimating	32	See #5	\$0
Scheduling	0	\$155	\$0
Total Staffing Costs			\$26,960
Expenses			\$1,800
Total for Activity 1			\$28,760
(2) ARCHITECT/ENGINEER SELECTION PROCESS		Deleted per 1/17/19 Conference Call. Included as Optional Service Below.	
(3) PROJECT SET-UP			
Activities that occur during the first 60 days that will be critical to the success of the project, including planning and team-building.			
<ul style="list-style-type: none"> • Develop a Project Management Plan (PMP) for the A/E and County. • Establish a Core Team, including County Representatives, Vanir staff, and Consultants. 			

DESIGN-BID-BUILD ACTIVITIES AND TASKS			
<ul style="list-style-type: none"> Develop an Information Management System. i.e., reporting, emailing, electronic records vault, Skype/Go-to-Meeting protocol, distribution, logs, etc. 			
<ul style="list-style-type: none"> Prepare a master schedule for the entire project, consistent with BSCC timeline. 			
Vanir Workload & Costs	Hours	Billing Rate	Total Cost
PD	8	\$180	\$1,440
PM	48	\$165	\$7,920
Architect	4	\$175	\$700
Engineer (BIM technician)	0	\$150	\$0
Estimating	0	See #5	\$0
Scheduling	16	\$155	\$2,480
Total Staffing Costs	76		\$12,540
Expenses			\$400
Total for Activity 3			\$12,940
(4) DESIGN SERVICES MANAGEMENT			
<p>During the pre-construction design phase, Vanir will work closely with the A/E Team to initiate project tracking and control methods to ensure that the project is designed in compliance with the County needs, defined program requirements, BSCC and OSFM requirements, and design criteria, including adherence to established budget and schedule requirements.</p>			
<ul style="list-style-type: none"> Design document review and support during design phase Attend meetings as scheduled (kick-off, planning, design review, OSFM, etc.). Project strategy, issue resolution. Schedule management. Coordinate, review and advise County of all tasks required by the A/E Team. Assist County with required BSCC submittals (4 submittals) <i>See Activity 8.</i> Assist County with required OSFM submittals and meetings (4 submittals) <i>See Activity 8.</i> 			
Vanir Assignment	Hours	Billing Rate	Total Cost
PD	24	\$180	\$4,320
PM	130	\$165	\$21,450
Architect	24	\$175	\$4,200
Engineer (BIM Technician)	16	\$150	\$2,400
Estimating	180	See #5	\$0
Scheduling	12	\$155	\$1,860
Total Staffing Costs	386		\$34,230
Expenses			\$400
Total for Activity 4			\$34,630
(5) COST MANAGEMENT/ESTIMATING			
<p>Throughout the design process, Vanir will work to validate the A/E Team's cost estimates to ensure that the estimates are accurate, and that the project is on-budget and consistent with current costs and market trends. Vanir will also ensure that the 3-Page estimates submittals are developed consistent with CDCR/BSCC requirements.</p>			
<ul style="list-style-type: none"> Preliminary Plans/Schematic Design (SD) Estimate Validation. 			

DESIGN-BID-BUILD ACTIVITIES AND TASKS			
<ul style="list-style-type: none"> • Preliminary Plans/Design Development (DD) Estimate Validation. 			
<ul style="list-style-type: none"> • 50% Construction Documents (CD) Estimate Validation. 			
<ul style="list-style-type: none"> • 100% Construction Documents (CD) Estimate Validation. 			
<ul style="list-style-type: none"> • 3-Page Estimate Revisions (SD, DD & 50%CD and 100%CD). 			
Vanir Assignment	Hours	Billing Rate	Total Cost
PD	8	\$180	\$1,440
PM	36	\$165	\$5,940
Architect	0	\$175	\$0
Engineer (BIM technician)	0	\$150	\$0
Estimating	212	\$160	\$33,920
Scheduling	0	\$155	\$0
Total Staffing Costs	256		\$41,300
Expenses			\$0
Total for Activity 5			\$41,300
(6) CONSTRUCTABILITY PLAN REVIEW			
<p>Vanir will provide technical review of the project design and construction drawings to provide the County with inputs on cost reduction strategies as the project progresses through design. The reviews are intended to reduce errors, ambiguities, omission and conflicts prior to bid. The reviews result in contractors using lower bid contingencies, reduced changes orders, and fewer schedule impacts which are keys to claims avoidance.</p>			
<ul style="list-style-type: none"> • Design Development (100% DD) Constructability Review. 			
<ul style="list-style-type: none"> • 95% Construction Documents Constructability Review. 			
Vanir Assignment	Hours	Billing Rate	Total Cost
PD	8	\$180	\$1,440
PM	32	\$165	\$5,280
Architect	8	\$175	\$1,400
DD Constructability Plan Reviewer	100	\$150	\$15,000
CD Constructability Plan Reviewer	200	\$150	\$30,000
Estimating	0	See #5	\$0
Scheduling	0	\$155	\$0
Total Staffing Costs	348		\$53,120
Expenses			\$200
Total for Activity 6			\$53,320
(7) PREPARE BID DOCUMENTS			
<p>Assist the County in the development of the required Bid/Construction Documents.</p>			
<ul style="list-style-type: none"> • Work with County to develop Division 00 - general conditions. 			
<ul style="list-style-type: none"> • Work with County & A/E to develop Division 01 - general requirements specifications. 			
<ul style="list-style-type: none"> • Work with County to develop pre-qualification strategy for contractors 			
<ul style="list-style-type: none"> • Work with County to develop unit price, allowances, contingencies and bid alternate strategies. 			

DESIGN-BID-BUILD ACTIVITIES AND TASKS			
<ul style="list-style-type: none"> • Work with County to establish project phasing, and laydown and staging areas. 			
<ul style="list-style-type: none"> • Work with County to develop bid form and requirements. 			
<ul style="list-style-type: none"> • Also Refer to Activity 8 for BSCC/OSFM Coordination Assistance. 			
Vanir Assignment	Hours	Billing Rate	Total Cost
PD	16	\$180	\$2,880
PM	40	\$165	\$6,600
Architect	32	\$175	\$5,600
Engineer (BIM technician)	32	\$150	\$4,800
Estimating	0	See #5	\$0
Scheduling	0	\$155	\$0
Total Staffing Costs	120		\$19,880
Expenses			\$0
Total for Activity 7			\$19,880
(8) BSCC/OSFM APPROVALS			
Assist the County and A/E team, as needed, with coordination with the BSCC for Authorization to Bid, Local Building Permit, and the OSFM.			
Vanir Assignment	Hours	Billing Rate	Total Cost
PD	16	\$180	\$2,880
PM	60	\$165	\$9,900
Architect	0	\$175	\$0
Engineer (BIM technician)	0	\$150	\$0
Estimating	0	See #5	\$0
Scheduling	0	\$155	\$0
Total Staffing Costs	76		\$12,780
Expenses			\$50
Total for Activity 8			\$12,830
(9) PROCUREMENT/BIDDING SUPPORT			
Assist the County in the in the procurement of the Contractor			
<ul style="list-style-type: none"> • Project Marketing (sub/contractors, material suppliers, trade groups, union halls, etc.). 			
<ul style="list-style-type: none"> • Prepare advertising and issue, via phone, email, publications and mail. 			
<ul style="list-style-type: none"> • Pre-construction Conference. 			
<ul style="list-style-type: none"> • Manage RFI and addenda with the A/E Team 			
<ul style="list-style-type: none"> • Prepare tabulation of bidders, review bids and prepare analysis. 			
<ul style="list-style-type: none"> • Insurance, Bond, Designation of Subcontractors Conformation. 			
<ul style="list-style-type: none"> • Prepare Notification of Award. 			
Vanir Assignment	Hours	Billing Rate	Total Cost
PD	8	\$180	\$1,440
PM	40	\$165	\$6,600
Architect	8	\$175	\$1,400
Engineer (BIM technician)	0	\$150	\$0

DESIGN-BID-BUILD ACTIVITIES AND TASKS			
Estimating	0	See #5	\$0
Scheduling	0	\$155	\$0
Total Staffing Costs	56		\$9,440
Expenses			\$1,600
Total for Activity 9			\$11,040
TOTAL PRE-CONSTRUCTION/DESIGN MANAGEMENT			\$214,700

OPTIONAL PRE-CONSTRUCTION/DESIGN MANAGEMENT SERVICES			
(2) ARCHITECT/ENGINEER SELECTION PROCESS			
Develop, prepare and manage the Request for Proposal (RFP) process to hire the Architect/Engineering (A/E) Team.			
<ul style="list-style-type: none"> • Prepare the RFP Criteria. • Prepare advertising and issue. Market project, via phone, email, publications and mail. • Prepare selection scoring process and forms. • Participate as needed with the County during A/E interviews and selection. • Assist the County with final evaluating and scoring the A/E team proposals. • Review and comment County's construct for A/E services with selected A/E team. • Issue notice to proceed form for A/E to begin. 			
Vanir Assignment	Hours	Billing Rate	Total Cost
PD	24	\$180	\$4,320
PM	48	\$165	\$7,920
Architect	20	\$175	\$3,500
Engineer (BIM technician)	8	\$150	\$1,200
Estimating	0	See #5	\$0
Scheduling	0	\$155	\$0
Total Staffing Costs	100		\$16,940
Expenses			\$1,600
Total for Activity 2 (Optional Service)			\$18,540
TOTAL PRE-CONSTRUCTION/DESIGN MANAGEMENT Including Optional Service (Activity 2 above)			\$233,240