County of Monte	erey - Chamber Systems
Labor Plan	Updated 8/4/22

												Sub					
	6			Design				-:	Project	6   504	Shop	Shop	Spinitar				
Milestone 1	Start 9/1/21	End	Task Tentative Award	Eng	Eng	CAD	PRG	Field Eng	Mgt	Sub PM	Tech	Tech	Delivery	Tech 1	Tech 2	Tech 3	County
1	9/1/21																X
	0 /7 /24	0/20/24	Design Review and Updates														X
_	9/7/21	9/29/21	Prepare open issues document	8	42												
2	9/29/21	9/29/21	Customer Preliminary System Design Review @site	12 8	12												Х
	9/30/21	10/6/21	Prepare Report on initial review	40													
	9/30/21	2/13/22	Design Updates per Customer Requests	2													
_	10/21/21	10/21/21	Online review of 9/29 Meeting report														X
3	10/29/22	11/29/22	Project On Hold for Protest	12													X
	12/10/21	12/10/21	Site Review for Millwork & Workflow Review														
	12/14/21	12/15/21	Prepare Report with design mods from interviews	8													Х
	12/15/21	12/16/21	Prepare Infrastructure RFQ	8													
	1/3/22	1/3/22	Site Review with Electrical to get Lighting load data	8													Х
	2/14/22	3/9/22	Updated Scope & System Description	16													<b>——</b>
4	3/9/22		Updated Proposal (March)														Х
			Site Meeting to add Monterey Rm as backup, Sea														l
	3/29/22	3/29/22	Cave, and Schilling Updates (non-backup)	8													<b></b>
	3/29/22	4/22/22	System Design - Monterey, Sea Cave, Schilling	8													ļ
5	4/28/22	5/4/22	Updated Proposal (May 4)														Х
5a	7/6/22	7/8/22	Updated Proposal (July 7)														Х
	Aug		Network Design	2			2										
	Aug		Network Design Review with CoM	1			1										Х
6	Aug		County Order Network Switches														Х
7	Aug		Customer Request Board Approval for Equipment Purc	hase													Х
8	9/13/22		Approval to Proceed (Board Approval)														Х
	9/14/22	10/1/22	Execute/Process Contract														Х
	Sept		Internal Review & Kickoff	2	2		2		2	2							
9	Oct		Release Critical Equipment Orders & Track						8								i
10	Oct		Project Kickoff and Site Visits														
			Customer Project Kickoff (Management Plan,														
			Coordination, Meetings, review open ssues and														l
	Oct		schedule action items)	1	1		1		1								х
	Oct		Site Review Planning & Discussion	1	1		1		1	1							X
	Oct		Final System Design Review @ all three sites	4	4		4		4	4							X
	Oct		Alisal - Chamber, DS, OFlow, Mont. Rm, Sea Cave	2	2		2		2	2							X
	Oct		Moffit - Headend Rack Plan inc Transition	1	1		1		1	1							X
	Oct		Schilling - Lobby DS, Cayenne	1	1		1		1	1							X
	Oct		Infrastructure Planning Meeting (@site)		1												X
	Oct	<del> </del>	Front Wall Cabinetry & Electrical Sequencing	1	1					1		-					X
	Oct	<del>                                     </del>	Dais Cabinet & Electrical Sequencing	0.5	0.5												X
	Oct			0.5	0.5												X
	Oct		Lighting Control Electrical Sequencing	0.5	0.5				-	-							X
			Broadcast Lighting Electrical Sequencing		_												
	Oct		Review & Plan Chamber Audience, Mon, DS Electrical	0.5	0.5				<del></del>	-		-					Х
	Oct		Develop QC Plan						4	-							
			System Engineering														
	Oct		Digital Signage content & criteria discussion	2													Х
11	Oct		Finalize Equipment List, Release, Track	2	2				16								
	Oct		Headend Eng & Rack Plan inc Transition		8				2								ı

												Sub					
				Design	Project				Project		Shop	Shop	Spinitar				
Milestone	Start	End	Task	Eng	Eng	CAD	PRG	Field Eng		Sub PM		Tech	Delivery	Tech 1	Tech 2	Tech 3	County
	Oct		Monterey Rm System Eng - CAD Prep		8												
	Oct		Sea Cave Rm System Eng - CAD Prep		8												
	Oct		Portable System Eng (inc Case Spec & Layouts)		16												
	Oct		Kiosk Design inc discussion w/customer		1												Х
	Oct		Kiosk Design Review		1				1								Х
	Oct		Prep Instance ID Chart		4												
	Oct		Finalize under-Dais details		8												
	Oct		Chamber Front Wall Engineering		4												
	Oct		Press Plate (Custom Engraving Layout)		1												
	Oct		Lighting System Engineering		8												
	Oct		Rack Layouts - Prod, HE	_	16				_								
	Oct	Nov	Chamber - Equipment Plans & Detail - CAD Prep	2	32				2								
	Oct	Nov	Cable Pull Lists	2	16				2								
	Oct	Nov	Materials Mtg & Final Materials List for Order		8				8	2							
	Oct	Nov	Preliminary Control System Planning	4	4		4										
	Oct	Nov	Programming Specifications - Monterey Rm		4												
	Oct Oct	Nov Nov	Programming Specifications - Sea Cave Programming Specifications - Chamber	8	16		8			-		-					
				4	16		10										
	Oct	Nov	Algorithm Specifications GUI Development - Start Initial Proposed Layouts -	4			10			-		-		-			
	Oct	Nov	Monterey, Sea Cave				24										
	Ott	7407	Crestron GUI Review & Updates - Monterey Rm, Sea				24										
12	Oct	Nov	Cave				16										х
	Nov	Dec	Crestron Programming - Monterey				40										Α
	Nov	Dec	Crestron Programming - Sea Cave				16										
			GUI Development - Start Initial Proposed Layouts -														
	Nov	Dec	Chamber, Production, Broadcast	4	4		80										
	Oct	Dec	Weekly Status Calls	24	24		24		24	8							Х
	Nov	Nov	CAD Sheet Numbering Plan	1					1								
			CAD Construction Drawings - Monterey, Sea Cave,														
	Nov		Portable			80											
	Nov		Drawing Review - Monterey, Sea Cave, Portable	4	4	8	4		4								
			Preliminary Engineering & Chamber GUI Review														
13	Dec		w/Customer (Online)	2	2		2		2								Х
			Customer Review - Proposed final Production														
14	Dec		Workflow inc Production GUI Review	1	1		1		2								Х
	Dec		Crestron GUI updates - Chamber, HE, DS				16										
15	Dec		Final Customer GUI Review Presentation	2	2		2		2								X
<u> </u>	Dec		IP Chart - Monterey, Sea Cave, Portable	1	4		2			-		-		-			X
	Dec		IP Chart - Chamber, HE, Lighting	1	4	104	1										Х
	Dec		CAD Construction Drawings - Chamber, HE, DS		8	104 8	4		4								Х
16	Dec	Dec	Drawing Review - Markup, Update - Chamber, HE, DS,  CAD Complete		8	ŏ	4		4								Х
10	Dec	Jan	Config & Training Manuals (Prelim)		80			40	16								
	Dec	Jan	Crestron Programming - Headend		80		40	40	10								
	Dec	Jan	Develop Commissioning Plan - Headend System		8		+0		1	1							
	Dec	Jan	Develop Headend Cutover Plan		4				1								
	Dec	Jan	Chamber DSP Layout & DSP GUI		4			40									
	Jan	Feb	Crestron Programming - Chamber/Production				200	-~									
	Jan	Feb	Develop Commissioning Plan - Production System		8				1								
	Jan	Feb	Develop Commissioning Plan - Chamber AV System		8				1								
	Jan	Feb	Develop Commissioning Plan - Chamber Lighting System	1	4				1								
17	Jan	Feb	Customer Training Plan Review Conference		2		2		2								Х
	Jan	Feb	Cable Pull Lists - Finalize inc/ Wire #s		4												
			Design & Eng TOTAL HOURS	220	371	200	511	80	117	21	0	0	0	0	0	0	
		•										•					

												Sub					
				Design	Project				Project		Shop	Shop	Spinitar				
Milestone	Start	End	Task	Eng	Eng	CAD	PRG	Field Eng	Mgt	Sub PM	Tech	Tech	Delivery	Tech 1	Tech 2	Tech 3	County
	Oct	Nov	Materials Order		8				8								
	Oct	Dec	Customer Rack/Install Coordination Conferences	8	8				8	8							
			RACK BUILD														
	Dec	Dec	Headend Equipment Received						2								
	Dec	Dec	Mount & Interconnect all equipment in Shop Rack		8	16			12			32					
	Dec	Dec	Configure and Test headend Systems (Concord)	8	24		16	8	2		8						
18	Dec	Dec	Prepare Equipment & Rack for Transport						4	4		7					
	Dec	Dec	Portable Equipment Received						4								
	Dec	Dec	Mount & Interconnect all Portable Racks in Shop		4				2	2		24					
	Dec	Dec	Configure and Test Portable Systems (Concord)	6	8				2								
19	Dec	Dec	Prepare Portable Equipment & Racks for Transport						2			8					Ī
	Dec	Dec	Sea Cave & Chamber Lighting														
	Dec	Dec	Address (DMX) All Lighting Fixtures (Concord)					8	2								
	Dec	Jan	Monterey Rm Equipment Received						4								
	Dec	Jan	Mount & Interconnect Rack Equip in Shop		4				4			24					Ī
	Dec	Jan	Configure and Test Systems (Concord)	6	8				2								
20	Dec	Jan	Prepare Equipment & Rack for Transport						2			8					
	Jan	Jan	Production Racks Equip Received														
	Jan	Jan	Mount & Interconnect all Rack equipment in Shop		8	12	11		8		8	96					
	Feb	Feb	Configure and Test Production Systems (Concord)		20			80	4			16					
21	Feb	Feb	Factory Acceptance Tests	24	20			36	4			8					Х
	Feb	Feb	Prepare Equipment & Rack for Transport						4	4		8					

												Sub					
					Project				Project		Shop	Shop	Spinitar				
Milestone	Start	End	Task	Eng	Eng	CAD	PRG	Field Eng	Mgt	Sub PM	Tech	Tech	Delivery	Tech 1	Tech 2	Tech 3	County
			SITE INSTALL														
			Digital Signage, Kiosk, Distribution Systems														
	Jan	Jan	DS Equipment Received						6								
	Jan	Jan	Start of Digital Signage Install - Int Mtg	1	1				1					1			
	Jan	Jan	JE11 - Digital Signage Electrical														
	Jan	Jan	Site Install		16					4				24	24		
	Jan	Jan	FWI - Remote Setup														
22	Jan	Jan	Commission/Test	8	16				1								Х
			Monterey Rm Install						4	3							l
	Jan	Jan	JE14 - Monterey Rm Electrical						1								i
	Jan	Jan	Deliver Rack & All Equipment to Monterey Rm										8				
	-		Cable Pull - (1) 85" Display, (2) Mics, 1 MXWC AP (1)														
	Jan	Jan	Cam (1) Plate											4	4		l
	Jan	Jan	Rack Terminations											14	·		
		1	Field Term - (1) 85" Display, (2) Mics, 1 MXWC AP (1)											T			
	Jan	Jan	Cam (1) Plate												8		l
	Jan	Jan	2-man Install - (1) 85" Display											2	4		
	3411	3011	2 man motali (2) es Bispia)														
	Jan	Jan	1-man Install - (2) Mics, 1 MXWC AP (1) Cam (1) Plate							6					4		l
	Jan	Jan	Cleanup & Loadout							-					4		
	Jan	Jan	Commission/Test		4			14						8	4		
	Jan	Jan	Testing with Customer		2			2						•			Х
	Jan	Jan	Punch List Work		6			6									
23	Jan	Jan	Final Customer Review		2			2									Х
23																	
	Jan	Jan	Headend Install														
	Dec		Site Visit for Phase 1 Planning	8	8				8								Х
	Dec		Start of Headend Install - Int Mtg	1	1				1			1					
	Jan		CableCast Install Support														
24	Jan	Jan	Headend Install/Cutover	12	12			16						32	32		Х
			Sea Cave Rm Install						4	8							l
	Jan	Jan	JE13 - Sea Cave Rm Electrical						1								
	Jan	Jan	Deliver all Equipment & Furn to Sea Cave Rm										8	2	2		
	Jan	Jan	Cable Pull - (1) 55" Display, (1) TP ,(1) Plate (1) DMX											4	4		
	Jan	Jan	Install RMC4 Master in IDF											2			
	Jan	Jan	Field Term - (1) 55" Display, (1) TP ,(1) Plate (1) DMX												2		l
	Jan	Jan	1-man Install - Lighting Support Structure, TP, Plate											8	8		
	Jan	Jan	Hang Lights & Pantographs, daisy chain DMX512											4			
	Jan	Jan	Setup Furniture												4		
	Jan	Jan	Cleanup & Loadout												2		
	Jan	Jan	Commission/Test		4			4						4			
	Jan	Jan	Testing with Customer		4			4		2							Х
	Jan	Jan	Punch List Work		2			2							2		
25	Jan	Jan	Final Customer Review		2			2							_		Х
		1	Portable System Site Testing		<u> </u>			<u> </u>									
	Jan	Jan	Start of Portable System Test - Int Mtg	2	2				1	1				2			
	Jan	Jan	Site Setup - For Remote Site Use	<del>                                     </del>	4				1	1				8	8		
26	Jan	Jan	On-Site Training		4			1						-	9		Х
	Jan	Jan	Site repack		4									8	8		^
	Juli	Juli	Jones reputer		- 4			1	L	ļ			1				

				Design	Project				Project		Shop	Sub Shop	Spinitar				
Milestone	Start	End	Task	Eng	Eng	CAD	PRG	Field Eng		Sub PM	Tech	Tech		Tech 1	Tech 2	Tech 3	County
27	February	April	CHAMBER SHUTDOWN														
	rebruary	April	Start of Infrastructure														
	Jan	Jan	Customer & Subcontractor Coordination						8								Х
	Feb	Feb	Chamber Equip & Cable De-install		12										16	16	X
	Feb	Feb	Production Rm De-install		12									24	8	8	X
	Feb	Feb	JE1 - Chamber Front Wall Cabinetry & Electrical						1								
	Feb	Feb	JE2 - Under Dais Cabinetry & Electrical						1								
	Feb	Feb	JE3 - Dais Backsplash Cabinetry & Electrical						1								
	Feb	Feb	JE4 - Clear Clerk & Light Control Conduits						1								
	Feb	Feb	JE5 - Clerk Station Cabinetry & Electrical						1								
	Feb	Feb	JE6 - Lighting Control Electrical						1								
	Feb	Feb	JE7 - Broadcast Lighting Pipe & Electrical						1								
	Feb	Feb	JE8 - Ceiling Monitor Electrical	-					1								
	Feb	Feb	JE9 - Press Plate						1								
	Feb	Feb Feb	JE10 - Audience Electrical				<del>                                     </del>	-	1	<del>                                     </del>		<u> </u>	1	1			
	Feb	Feb	JE12 - Rack Electrical						1								
28	Feb	Feb	Infrastructure Complete						1								
20	reu	reb	·						4								Х
	Jan		Start of Chamber & Production AV Install	1	1				1					1			X
20		A 4 = = = f	Start of Chamber AV Install - Int Mtg  Deinstall	8	1				1					16	1.0	1.0	
29	March	March		_						8					16	16	
	March	March	Cable Pull	8						8				24	24	24	
	March	March	Equipment & Rack Delivery						2				8	8	8	8	
	March	March	Rack Terminations		8				8	8				137			
	March	March	Video Wall Install - Spinitar		4		8		8						8	8	
	March	March	Video Wall Install - Samsung														
	March	March	Clg - Spkrs, Shades, 85", Brdcst Lites		8				8						40	40	
	March	March	Floor - Dais, Staff, Lect, Press		8					8					80	80	
	March	March	Console Assembly, Cable, Equip install & Term		8					8				40	24	24	
	March	March	Cleanup & Loadout												16	16	
	April	April	Commission/Test	16	16			88						16			
	April	April	Config & Training Manuals (Updates)	4	16		8		8								
30	April	April	Testing with Customer	8	8			8									Х
	April	April	Punch List Work		16			16	2	4				8			
	April	April	Final Customer Review		8			8	8								
31	April	April	Broadcast Test with Customer	4	4			4									Х
			End Physical Install														
	April	April	On-Site Training	4	40			48	8								
	April	April	Training Manual Updates Review Conference	1	1		1		1					-			Х
32	May	May	Site Support for first 4 Meetings	8	52			96	24								Х
33	May	May	Closeout														
	May	·	Prepare Final Documentation	4	4	40	4		8								
	May		Documentation (Docs Department - Taxable)														
	May	May	Sign-Off														Х
	.,																
			TOTAL HOURS	370	811	268	559	532	335	108	16	232	24	401	360	240	