



Project: County of Mendocino - Jail Expansion (SB 844)
Title: Design Development Estimate
Date: April 1, 2019 & revised on June 4, 2019

Building Area = 20,740 sf

CSI	Description	Building	Cost/sf	Site	Total Base	Future Camera	VE	Sewer Grinder	Solar	Total w/ Alts	Delta (DD - SD)
2	Existing Conditions	\$2,159	\$0.10	\$217,820	\$219,979	\$0	\$0	\$0	\$0	\$219,979	\$20,699
3	Concrete	\$751,863	\$36.25	\$0	\$751,863	\$0	\$0	\$0	\$0	\$751,863	-\$19,799
4	Masonry	\$1,886,019	\$90.94	\$0	\$1,886,019	\$0	\$0	\$0	\$0	\$1,886,019	-\$220,358
5	Metals	\$1,031,900	\$49.75	\$0	\$1,031,900	\$0	\$0	\$0	\$0	\$1,031,900	-\$129,813
6	Wood, Plastics & Composites	\$194,741	\$9.39	\$0	\$194,741	\$0	\$0	\$0	\$0	\$194,741	\$5,715
7	Thermal & Moisture Protection	\$470,383	\$22.68	\$0	\$470,383	\$0	\$0	\$0	\$0	\$470,383	\$58,316
8	Openings	\$1,078,868	\$52.02	\$0	\$1,078,868	\$0	\$0	\$0	\$0	\$1,078,868	\$182,341
9	Finishes	\$1,141,294	\$55.03	\$0	\$1,141,294	\$0	\$5,050	\$0	\$0	\$1,146,344	\$291,197
10	Specialties	\$68,412	\$3.30	\$0	\$68,412	\$0	\$0	\$0	\$0	\$68,412	\$7,002
11	Equipment	\$283,704	\$13.68	\$0	\$283,704	\$0	\$0	\$0	\$0	\$283,704	\$52,698
12	Furnishings	\$12,999	\$0.63	\$71,079	\$84,077	\$0	\$0	\$0	\$661,550	\$745,627	\$13,657
13	Special Construction - VE	-\$411,740	-\$19.85	-\$75,000	-\$486,740	\$0	\$142,660	\$0	\$0	-\$344,080	-\$344,080
14	Conveying Systems	\$0	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21	Fire Suppression	\$163,186	\$7.87	\$0	\$163,186	\$0	\$0	\$0	\$0	\$163,186	\$1,906
22	Plumbing	\$858,995	\$41.42	\$0	\$858,995	\$0	\$0	\$0	\$0	\$858,995	-\$5,285
23	HVAC	\$963,352	\$46.45	\$0	\$963,352	\$0	\$0	\$0	\$0	\$963,352	\$59,499
26	Electrical	\$1,050,605	\$50.66	\$416,006	\$1,466,612	\$0	\$0	\$0	\$462,498	\$1,929,109	\$195,679
27	Communications	\$467,716	\$22.55	\$83,177	\$550,893	\$0	\$0	\$0	\$0	\$550,893	\$212,940
28	Electronic Safety and Security	\$1,925,506	\$92.84	\$133,848	\$2,059,354	\$31,434	\$0	\$0	\$0	\$2,090,788	\$537,513
31	Earthwork	\$0	\$0.00	\$396,590	\$396,590	\$0	\$0	\$0	\$0	\$396,590	-\$357,878
32	Exterior Improvements	\$0	\$0.00	\$463,165	\$463,165	\$0	\$0	\$0	\$0	\$463,165	-\$152,278
33	Utilities	\$0	\$0.00	\$279,080	\$279,080	\$0	\$0	\$0	\$0	\$279,080	-\$159,490
	Subtotal	\$11,939,963	\$575.70	\$1,985,765	\$13,925,729	\$31,434	\$147,710	\$0	\$1,124,048	\$15,228,921	\$250,180
	General Conditions 10.00%	\$1,193,996	\$58.00	\$198,577	\$1,392,573	\$3,143	\$14,771	\$0	\$112,405	\$1,522,892	\$20,962
	General Contractor Markup 5.00%	\$656,698	\$32.00	\$109,217	\$765,915	\$1,729	\$8,124	\$0	\$61,823	\$837,591	\$11,530
	General Contractor Bond & Insurance 2.50%	\$344,766	\$17.00	\$57,339	\$402,105	\$908	\$4,265	\$0	\$32,457	\$439,735	\$6,053
	Design / Estimate Contingency 6.00%	\$848,125	\$41.00	\$141,054	\$989,179	\$2,233	\$10,492	\$0	\$79,844	\$1,081,748	-\$696,349
	Phasing 0.00%	\$0	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Working Within Secured Perimeter 0.00%	\$0	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Market / Geographical Factor 3.00%	\$449,506	\$22.00	\$74,759	\$524,265	\$1,183	\$5,561	\$0	\$42,317	\$573,326	-\$13,446
	Construction Cost -- April 2019	\$15,433,054	\$745.70	\$2,566,711	\$17,999,766	\$40,630	\$190,923	\$0	\$1,452,894	\$19,684,213	-\$421,070
	Escalation to October 2021 12.85%	\$1,983,456	\$95.63	\$329,874	\$2,313,330	\$5,222	\$24,537	\$0	\$186,726	\$2,529,815	-\$678,692
	30 Months - 22 Months to NTP + 8 Months to the MPOC										
	Subtotal Construction Cost	\$17,416,510	\$839.75	\$2,896,585	\$20,313,096	\$45,852	\$215,460	\$0	\$1,639,620	\$22,214,028	-\$1,099,762
	Add for cost impact of 2018 fire 2.00%	\$348,330	\$16.80	\$57,932	\$406,262	\$917	\$4,309	\$0	\$32,792	\$444,281	-\$22,807
	Total Construction Cost	\$17,764,841	\$856.55	\$2,954,517	\$20,719,358	\$46,769	\$219,769	\$0	\$1,672,412	\$22,658,308	-\$1,122,568



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TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
02 41 00	DEMOLITION															
02 41 00	Demo & Cut-out at (E) jail	1	LS	16.000	clab	\$65.70	100.00	500.00	0.00	\$2,159.28	\$2,159	\$2,159	\$0	\$0	\$0	\$0
02 41 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
02 41 00																
02 41 00	DEMOLITION	20,740	GSF							\$0.10	\$2,159	\$2,159	\$0	\$0	\$0	\$0
02 80 00	FACILITY REMEDIATION	20,740	GSF							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
02 08 20	ASBESTOS ABATEMENT	20,740	GSF							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
31 20 00	STRUCTURAL EARTHWORK															
31 20 00	See site					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
31 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
31 20 00																
31 20 00	STRUCTURAL EARTHWORK	20,740	GSF							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
33 46 00	FOUNDATION DRAINAGE SYSTEMS	20,740	GSF							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	FOUNDATION CONCRETE															
03 30 00	Continuous Footings, Building					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	Complete including excavation, concrete, rebar and edge protection	484	CY	1.800	c14	\$77.42	245.00	25.00	0.00	\$511.21	\$247,603	\$247,603	\$0	\$0	\$0	\$0
03 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	Continuous Footings, solid 14' wall					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	Complete including excavation, concrete, rebar and edge protection -	162	CY	1.800	c14	\$77.42	245.00	25.00	0.00	\$511.21	\$82,645	\$82,645	\$0	\$0	\$0	\$0
03 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	Spread Footings, Building					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	Complete including excavation, concrete, rebar and edge protection	104	CY	2.000	c14	\$77.42	265.00	25.00	0.00	\$556.20	\$57,678	\$57,678	\$0	\$0	\$0	\$0
03 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	Spread Footings, catwalk & tunnel to bldg 1					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	Complete including excavation, concrete, rebar and edge protection at 10' O	87	CY	2.000	c14	\$77.42	265.00	25.00	0.00	\$556.20	\$48,482	\$48,482	\$0	\$0	\$0	\$0
03 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00																
03 30 00	FOUNDATION CONCRETE	20,740	GSF							\$21.04	\$436,408	\$436,408	\$0	\$0	\$0	\$0
03 30 00	SLAB ON GRADE CONCRETE															
03 30 00	Main Level					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	5" SOG w/ Rebar	18,495	sf	0.031	c14	\$77.42	3.83	0.50	0.00	\$8.41	\$155,501	\$155,501	\$0	\$0	\$0	\$0
03 30 00	4" SOG w/ Rebar	1,415	SF	0.000	c14	\$77.42	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	Add for thickened edge, curbs & expansion joint	19,910	sf	0.002	c14	\$77.42	0.40	0.05	0.00	\$0.69	\$13,773	\$13,773	\$0	\$0	\$0	\$0
03 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	Under catwalk and Tunnel to bldg 1					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	6" Concrete over 6" base per G2 of C2	2,935	SF	0.029	c14	\$77.42	3.64	0.50	0.00	\$8.02	\$23,530	\$23,530	\$0	\$0	\$0	\$0
03 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	Rec Yards & Solid fence area					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	4" SOG w/ Rebar	3,550	SF	0.028	c14	\$77.42	3.45	0.50	0.00	\$7.63	\$27,072	\$27,072	\$0	\$0	\$0	\$0
03 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00																
03 30 00	SLAB ON GRADE CONCRETE	24,980	FLSF							\$10.60	\$219,876	\$219,876	\$0	\$0	\$0	\$0
03 30 00	MISC. CONCRETE															
03 30 00	Mezz stair footing	4	LS			\$0.00	0.00	0.00	2,000.00	\$2,020.00	\$8,080	\$8,080	\$0	\$0	\$0	\$0
03 30 00	Catwalk stair footing + concrete under stair	1	LS			\$0.00	0.00	0.00	3,000.00	\$3,030.00	\$3,030	\$3,030	\$0	\$0	\$0	\$0
03 30 00	Allowance for Misc. concrete	20,740	GSF			\$0.00	0.00	0.00	1.50	\$1.52	\$31,421	\$31,421	\$0	\$0	\$0	\$0
03 30 00	4" concrete at lower bunks	864	SF			\$0.00	0.00	0.00	20.00	\$20.20	\$17,453	\$17,453	\$0	\$0	\$0	\$0
03 30 00	Misc. concrete work at (E) jail	1	LS			\$0.00	0.00	0.00	7,500.00	\$7,575.00	\$7,575	\$7,575	\$0	\$0	\$0	\$0
03 30 00																
03 30 00	MISC. CONCRETE	20,740	GSF							\$3.26	\$67,559	\$67,559	\$0	\$0	\$0	\$0
03 30 00	TOPPING CONCRETE - FLOORS															
03 30 00	Tier level Floors & balcony + Tier Lid	5,720	SF			\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	3" concrete over metal deck w #3 at 16"	5,720	SF			\$0.00	0.00	0.00	4.85	\$4.90	\$28,019	\$28,019	\$0	\$0	\$0	\$0
03 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0



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03 30 00																
03 30 00	TOPPING CONCRETE - FLOORS		SF							\$1.35	\$28,019	\$28,019	\$0	\$0	\$0	\$0
03 30 00	TOPPING CONCRETE - ROOFS															
03 30 00	4" concrete fill w/rebar at tier roof - N/A	0	SF			\$0.00	0.00	0.00	5.25	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	2" concrete fill w/rebar at roof	0	SF			\$0.00	0.00	0.00	3.85	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 30 00	TOPPING CONCRETE - ROOFS		SF			\$0.00				\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
03 40 00	ELEVATED CONCRETE SLABS AND BEAMS		SF			\$0.00				\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	MASONRY - EXT. WALLS															
04 20 00	Building	31,476	SF			\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	Insulated CMU - 12", main level	0	SF	0.260	d8	\$73.04	18.50	2.50	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	Insulated CMU - 12", tier	0	SF	0.273	d8	\$73.04	18.50	2.50	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	Insulated CMU - 12" per rvt	0	SF	0.267	d8	\$73.04	18.50	2.50	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	CMU - 10" at rec yard	0	SF	0.200	d8	\$73.04	14.00	2.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	CMU - 10" per rvt	0	SF	0.200	d8	\$73.04	14.00	2.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	Add for 24" pilasters - 20 ea	650	LF	0.270	d8	\$73.04	18.75	3.00	0.00	\$52.91	\$34,389	\$34,389	\$0	\$0	\$0	\$0
04 20 00	CMU - 8" at solid wall area	0	SF	0.180	d8	\$73.04	12.50	2.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	CMU - 8" exposed & furred - per rvt	0	SF	0.180	d8	\$73.04	12.50	2.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	Add for 16" pilasters - 10 ea	168	LF	0.225	d8	\$73.04	15.63	2.50	0.00	\$44.09	\$7,407	\$7,407	\$0	\$0	\$0	\$0
04 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	Add premium for Split Face CMU - assumed at 25% of wall area	0	SF	0.020	d8	\$73.04	1.25	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	2" padding panels, 2.1G	0	SF	0.080	d8	\$73.04	5.88	1.25	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	2" Veneer	617	SF	0.080	d8	\$73.04	5.88	1.25	0.00	\$16.48	\$10,165	\$10,165	\$0	\$0	\$0	\$0
04 20 00	CMU - 6" glazed type 2.1 per rvt	1,008	SF	0.161	d8	\$73.04	13.25	1.75	0.00	\$33.95	\$34,218	\$34,218	\$0	\$0	\$0	\$0
04 20 00	CMU - 6" glazed type 3.1 per rvt	612	SF	0.177	d8	\$73.04	13.25	1.75	0.00	\$35.57	\$21,768	\$21,768	\$0	\$0	\$0	\$0
04 20 00	CMU - 6" partial height per rvt	406	SF	0.016	d8	\$73.04	11.75	1.75	0.00	\$17.57	\$7,126	\$7,126	\$0	\$0	\$0	\$0
04 20 00	CMU - 8" basic type 1.2D & furred (in div 9) - per rvt	1,274	SF	0.180	d8	\$73.04	12.50	1.75	0.00	\$34.98	\$44,573	\$44,573	\$0	\$0	\$0	\$0
04 20 00	CMU - 8" basic type 1.2 - per rvt	521	SF	0.180	d8	\$73.04	12.50	1.75	0.00	\$34.98	\$18,215	\$18,215	\$0	\$0	\$0	\$0
04 20 00	CMU - 8" basic type 1.2 - per rvt	2,580	SF	0.180	d8	\$73.04	12.50	1.75	0.00	\$34.98	\$90,236	\$90,236	\$0	\$0	\$0	\$0
04 20 00	CMU - 8" basic type 2.2 - per rvt	342	SF	0.180	d8	\$73.04	12.50	1.75	0.00	\$34.98	\$11,962	\$11,962	\$0	\$0	\$0	\$0
04 20 00	CMU - 8" basic type 3.2 - per rvt	2,064	SF	0.198	d8	\$73.04	12.50	1.75	0.00	\$36.79	\$75,934	\$75,934	\$0	\$0	\$0	\$0
04 20 00	CMU - 8" type EIFS - per rvt	120	SF	0.180	d8	\$73.04	12.50	1.75	0.00	\$34.98	\$4,197	\$4,197	\$0	\$0	\$0	\$0
04 20 00	CMU - 10" type EIFS - per rvt	7,316	SF	0.200	d8	\$73.04	14.00	2.00	0.00	\$39.06	\$285,766	\$285,766	\$0	\$0	\$0	\$0
04 20 00	CMU - 10" type 1.3 - per rvt	14,492	SF	0.200	d8	\$73.04	14.00	2.00	0.00	\$39.06	\$566,049	\$566,049	\$0	\$0	\$0	\$0
04 20 00	CMU - 12" type 1.4 - per rvt	124	SF	0.260	d8	\$73.04	18.50	2.50	0.00	\$51.01	\$6,305	\$6,305	\$0	\$0	\$0	\$0
04 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	MASONRY - EXT. WALLS	31,476	WLSF			\$58.74				\$1,218,309	\$1,218,309	\$0	\$0	\$0	\$0	\$0
04 20 00	MASONRY - INT. WALLS															
04 20 00	Building	21,820	SF			\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	CMU - 12"	0	SF	0.220	d8	\$73.04	15.25	2.50	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	CMU - 8"	0	SF	0.180	d8	\$73.04	13.50	2.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	CMU - 8" per rvt	0	SF	0.180	d8	\$73.04	13.50	2.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	CMU - 6"	0	SF	0.140	d8	\$73.04	11.75	1.50	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	CMU - 6" per rvt	0	SF	0.140	d8	\$73.04	11.75	1.50	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	CMU - 6" at concrete bunk beds - 48 cells	432	SF	0.175	d8	\$73.04	11.75	1.50	0.00	\$33.29	\$14,381	\$14,381	\$0	\$0	\$0	\$0
04 20 00	CMU - 10" per rvt	0	SF	0.175	d8	\$73.04	11.75	1.50	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	CMU - 6" type 2.1 per rvt	19,415	SF	0.140	d8	\$73.04	11.75	1.50	0.00	\$29.76	\$577,826	\$577,826	\$0	\$0	\$0	\$0
04 20 00	CMU - 6" type 2 P per rvt	192	SF	0.168	d8	\$73.04	12.93	1.50	0.00	\$33.97	\$6,523	\$6,523	\$0	\$0	\$0	\$0
04 20 00	CMU - 6" type 3.1 per rvt	2,027	SF	0.154	d8	\$73.04	11.75	1.50	0.00	\$31.17	\$63,182	\$63,182	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
04 20 00	CMU - 6" type 4.1 per rvt	186	SF	0.154	d8	\$73.04	11.75	1.50	0.00	\$31.17	\$5,798	\$5,798	\$0	\$0	\$0	\$0
04 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	Rec Yards	0	SF			\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00	See exterior walls	0	SF	0.220	d8	\$73.04	15.25	2.50	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
04 20 00																
04 20 00	MASONRY - INT. WALLS	21,820	WLSF							\$32.19	\$667,710	\$667,710	\$0	\$0	\$0	\$0
05 12 00	STRUCTURAL STEEL - NON GRADE FLOORS															
05 12 00	Tier floor & lid structural steel	5,720	LBS	0.005	e2	\$98.83	1.10	0.05	0.00	\$1.97	\$11,280	\$11,280	\$0	\$0	\$0	\$0
05 12 00	Ledger angles for metal deck	6,720	LBS	0.004	e2	\$98.83	1.15	0.00	0.00	\$1.90	\$12,794	\$12,794	\$0	\$0	\$0	\$0
05 12 00	Brace Frames	8,950	LBS	0.004	e2	\$98.83	1.15	0.00	0.00	\$1.90	\$17,039	\$17,039	\$0	\$0	\$0	\$0
05 12 00																
05 12 00	STRUCTURAL STEEL - NON GRADE FLOORS	12,440	LBS							\$1.98	\$41,113	\$41,113	\$0	\$0	\$0	\$0
05 12 00	STRUCTURAL STEEL - ROOF															
05 12 00	Roof WF beams & connections	128,828	LBS	0.005	e2	\$98.83	1.10	0.05	0.00	\$1.97	\$254,049	\$254,049	\$0	\$0	\$0	\$0
05 12 00	Catwalk & Tunnel columns & connections	68	EA	2.500	e2	\$98.83	241.50	50.00	0.00	\$685.25	\$46,597	\$46,597	\$0	\$0	\$0	\$0
05 12 00	Recyard structural steel	8,118	LBS	0.005	e2	\$98.83	1.10	0.05	0.00	\$1.97	\$16,009	\$16,009	\$0	\$0	\$0	\$0
05 12 00																
05 12 00	STRUCTURAL STEEL - ROOF	128,828	LBS							\$15.27	\$316,655	\$316,655	\$0	\$0	\$0	\$0
05 30 00	METAL DECK - FLOORS															
05 30 00	3" - 20GA (PLB-36) Metal Deck at tier area floor & lid	5,720	SF	0.016	e4	\$101.00	2.80	0.10	0.00	\$5.66	\$32,348	\$32,348	\$0	\$0	\$0	\$0
05 30 00	3" - 20GA (PLB-36) Metal Deck for future tier	1,415	SF	0.016	e4	\$101.00	2.80	0.10	0.00	\$5.66	\$8,002	\$8,002	\$0	\$0	\$0	\$0
05 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
05 30 00																
05 30 00	METAL DECK - FLOORS		SF							\$1.95	\$40,351	\$40,351	\$0	\$0	\$0	\$0
05 30 00	METAL DECK - ROOF															
05 30 00	3" - 20GA (PLB-36) Metal Deck at roof	17,460	SF	0.016	e4	\$101.00	2.80	0.10	0.00	\$5.66	\$98,742	\$98,742	\$0	\$0	\$0	\$0
05 30 00	1-1/2" - 18GA Metal Deck at tunnel to bldg 1	805	SF	0.010	e4	\$101.00	1.95	0.10	0.00	\$3.82	\$3,071	\$3,071	\$0	\$0	\$0	\$0
05 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
05 30 00																
05 30 00	METAL DECK - ROOF		SF							\$4.91	\$101,813	\$101,813	\$0	\$0	\$0	\$0
05 50 00	MISC. METALS															
05 50 00	Mezzanine Guardrails - full height w/ vertical bars @ 6" OC	180	LF	0.460	e4	\$101.00	287.00	15.00	0.00	\$420.81	\$75,747	\$75,747	\$0	\$0	\$0	\$0
05 50 00	Mezzanine Stair Handrail - Included w/ Stairs	0	LF			\$0.00	0.00	0.00	125.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
05 50 00	Allowance for ledger / embed at back chase for metal grating	500	LF			\$0.00	0.00	0.00	15.00	\$15.15	\$7,575	\$7,575	\$0	\$0	\$0	\$0
05 50 00	Metal grate at catwalk w/support	1,390	SF			\$0.00	0.00	0.00	12.00	\$12.12	\$16,847	\$16,847	\$0	\$0	\$0	\$0
05 50 00	Misc Metal & Embeds - Main Level & Tier Levels	20,740	GSF			\$0.00	0.00	0.00	1.75	\$1.77	\$36,658	\$36,658	\$0	\$0	\$0	\$0
05 50 00	12 GA sheet metal shroud	730	SF			\$0.00	0.00	0.00	15.00	\$15.15	\$11,060	\$11,060	\$0	\$0	\$0	\$0
05 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
05 50 00	Mechanical Screen on roof w/Support & access	1,100	SF			\$0.00	0.00	0.00	60.00	\$60.60	\$66,660	\$66,660	\$0	\$0	\$0	\$0
05 50 00	Wire mesh (excluding support) at recyards	5,490	sf			\$0.00	0.00	0.00	22.00	\$22.22	\$121,988	\$121,988	\$0	\$0	\$0	\$0
05 50 00	Add for Metal Grating o/courtyard, rec. yard, walkways	0	sf			\$0.00	0.00	0.00	38.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
05 50 00	14' Fence at catwalk	500	LF			\$0.00	0.00	0.00	145.00	\$146.45	\$73,225	\$73,225	\$0	\$0	\$0	\$0
05 50 00	Single Man Gate + access to under stair	5	ea			\$0.00	0.00	0.00	3,200.00	\$3,232.00	\$16,160	\$16,160	\$0	\$0	\$0	\$0
05 50 00	Fence at tunnel to bldg 1 - see site	0				\$0.00	0.00	0.00	110.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
05 50 00																
05 50 00	MISC. METALS	20,740	GSF							\$20.54	\$425,919	\$425,919	\$0	\$0	\$0	\$0
05 51 00	STEEL STAIRS															
05 51 00	Tier stairs - complete w/ ground level handrail	4	set			\$0.00	0.00	0.00	20,000.00	\$20,200.00	\$80,800	\$80,800	\$0	\$0	\$0	\$0
05 51 00	Catwalk stairs - complete w/ handrail - exterior grade	1	set			\$0.00	0.00	0.00	25,000.00	\$25,250.00	\$25,250	\$25,250	\$0	\$0	\$0	\$0
05 51 00																
05 51 00	STEEL STAIRS		FLT							\$5.11	\$106,050	\$106,050	\$0	\$0	\$0	\$0
06 10 00	ROUGH CARPENTRY															
06 10 00	Control room floor	350	sf			\$0.00	0.00	0.00	25.00	\$25.25	\$8,838	\$8,838	\$0	\$0	\$0	\$0
06 10 00	Allowance for Misc.	20,740	gsf			\$0.00	0.00	0.00	1.00	\$1.01	\$20,947	\$20,947	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
06 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
06 10 00																
06 10 00	ROUGH CARPENTRY		FLSF							\$1.44	\$29,785	\$29,785	\$0	\$0	\$0	\$0
06 20 00	FINISH CARPENTRY															
06 20 00	Allowance - Bldg	20,740	GSF			\$0.00	0.00	0.00	1.25	\$1.26	\$26,184	\$26,184	\$0	\$0	\$0	\$0
06 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
06 20 00																
06 20 00	FINISH CARPENTRY	20,740	GSF							\$1.26	\$26,184	\$26,184	\$0	\$0	\$0	\$0
06 41 00	CASEWORK															
06 41 00	Admin area - various types	264	LF	1.250	carp	\$87.03	150.00	0.00	0.00	\$327.29	\$86,405	\$86,405	\$0	\$0	\$0	\$0
06 41 00	Control room, program, visiting, etc	160	LF	1.250	carp	\$87.03	150.00	0.00	0.00	\$327.29	\$52,367	\$52,367	\$0	\$0	\$0	\$0
06 41 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
06 41 00																
06 41 00	CASEWORK	20,740	GSF							\$6.69	\$138,772	\$138,772	\$0	\$0	\$0	\$0
07 21 00	INSULATION EXTERIOR WALLS															
07 21 00	At CMU ty es 1.2D, 6.1 and 6.2	3,622	SF			\$0.00	0.00	0.00	2.80	\$2.83	\$10,244	\$10,244	\$0	\$0	\$0	\$0
07 21 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 21 00																
07 21 00	INSULATION EXTERIOR WALLS		SF							\$0.49	\$10,244	\$10,244	\$0	\$0	\$0	\$0
07 21 00	INSULATION INTERIOR WALLS															
07 21 00	Office partitions 7.1	2,621	SF			\$0.00	0.00	0.00	1.85	\$1.87	\$4,897	\$4,897	\$0	\$0	\$0	\$0
07 21 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 21 00																
07 21 00	INSULATION INTERIOR WALLS		SF							\$0.24	\$4,897	\$4,897	\$0	\$0	\$0	\$0
07 81 00	FIRE PROOFING -NON GRADE FLOORS															
07 81 00	Tier floor & lid structural steel	3	ton			\$0.00	0.00	0.00	450.00	\$454.50	\$1,300	\$1,300	\$0	\$0	\$0	\$0
07 81 00	Ledger angles for metal deck	3.4	ton			\$0.00	0.00	0.00	450.00	\$454.50	\$1,527	\$1,527	\$0	\$0	\$0	\$0
07 81 00	3" X 18 GA metal deck - NIC					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 81 00	18 GA metal deck over tunnel - NIC					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 81 00	Allowance for Misc	20,740	gsf			\$0.00	0.00	0.00	0.10	\$0.10	\$2,095	\$2,095	\$0	\$0	\$0	\$0
07 81 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 81 00																
07 81 00	FIRE PROOFING -NON GRADE FLOORS	20,740	GSF							\$0.24	\$4,922	\$4,922	\$0	\$0	\$0	\$0
07 81 00	FIRE PROOFING -ROOFS															
07 81 00	Roof WF beams & connections	64	ton			\$0.00	0.00	0.00	450.00	\$454.50	\$29,276	\$29,276	\$0	\$0	\$0	\$0
07 81 00	1-1/2" X 18 GA roof deck - NIC					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 81 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 81 00																
07 81 00	FIRE PROOFING -ROOFS		SF							\$1.41	\$29,276	\$29,276	\$0	\$0	\$0	\$0
07 81 23	INTUMESCENT FIRE PROOFING		SF							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 84 00	FIRESTOPPING															
07 84 00	Allowance for building	20,740	GSF			\$0.00	0.00	0.00	0.50	\$0.51	\$10,474	\$10,474	\$0	\$0	\$0	\$0
07 84 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 84 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 84 00																
07 84 00	FIRESTOPPING		SF							\$0.51	\$10,474	\$10,474	\$0	\$0	\$0	\$0
07 50 00	MEMBRANE ROOFING															
07 50 00	Single Ply + insulation	14,260	SF			\$0.00	0.00	0.00	14.00	\$14.14	\$201,636	\$201,636	\$0	\$0	\$0	\$0
07 50 00	Walking Pads	180	LFS			\$0.00	0.00	0.00	15.00	\$15.15	\$2,727	\$2,727	\$0	\$0	\$0	\$0
07 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 50 00																
07 50 00	MEMBRANE ROOFING		RFSF							\$9.85	\$204,363	\$204,363	\$0	\$0	\$0	\$0
07 60 00	SHEET METAL															
07 60 00	Allowance for building / roof including parapet cap	20,740	GSF			\$0.00	0.00	0.00	1.25	\$1.26	\$26,184	\$26,184	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
07 60 00	Gutter	300	LF			\$0.00	0.00	0.00	35.00	\$35.35	\$10,605	\$10,605	\$0	\$0	\$0	\$0
07 60 00	Downspout	6	Set			\$0.00	0.00	0.00	75.00	\$75.75	\$455	\$455	\$0	\$0	\$0	\$0
07 60 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 60 00																
07 60 00	SHEET METAL	20,740	GSF							\$1.80	\$37,244	\$37,244	\$0	\$0	\$0	\$0
07 41 00	METAL ROOFING															
07 41 00	Standing seam Metal Roof with 4" rigid insulation	3,200	SF			\$0.00	0.00	0.00	22.00	\$22.22	\$71,104	\$71,104	\$0	\$0	\$0	\$0
07 41 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 41 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 41 00																
07 41 00	METAL ROOFING		RFSF							\$3.43	\$71,104	\$71,104	\$0	\$0	\$0	\$0
07 41 00	NATURAL ROOF COVERINGS		RFSF							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 72 00	ROOF ACCESSORIES															
07 72 00	Roof hatch/ ladder /misc.	1	LS			\$0.00	0.00	0.00	6,500.00	\$6,565.00	\$6,565	\$6,565	\$0	\$0	\$0	\$0
07 72 00	Fall Protection Anchors	3	EA			\$0.00	0.00	0.00	10,000.00	\$10,100.00	\$30,300	\$30,300	\$0	\$0	\$0	\$0
07 72 00	Mechanical Screen on roof w/Support & access - see Misc. metal					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 72 00	Solar tube skylight	4	EA			\$0.00	0.00	0.00	2,135.00	\$2,156.35	\$8,625	\$8,625	\$0	\$0	\$0	\$0
07 72 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 72 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 72 00																
07 72 00	ROOF ACCESSORIES		RFSF							\$2.19	\$45,490	\$45,490	\$0	\$0	\$0	\$0
07 92 00	SEALANTS															
07 92 00	Allowance for building	20,740	GSF			\$0.00	0.00	0.00	2.50	\$2.53	\$52,369	\$52,369	\$0	\$0	\$0	\$0
07 92 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 92 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
07 92 00																
07 92 00	SEALANTS		GSF							\$2.53	\$52,369	\$52,369	\$0	\$0	\$0	\$0
08 12 00	HM WINDOW FRAMES - EXTERIOR															
08 12 00	Security window	280	SF			\$0.00	0.00	0.00	195.00	\$196.95	\$55,146	\$55,146	\$0	\$0	\$0	\$0
08 12 00	Storefront at entry	318	SF			\$0.00	0.00	0.00	145.00	\$146.45	\$46,571	\$46,571	\$0	\$0	\$0	\$0
08 12 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 12 00																
08 12 00	HM WINDOW FRAMES - EXTERIOR		SF							\$4.90	\$101,717	\$101,717	\$0	\$0	\$0	\$0
08 12 00	HM WINDOW FRAMES - INTERIOR															
08 12 00	Security view panels at cells	576	SF			\$0.00	0.00	0.00	195.00	\$196.95	\$113,443	\$113,443	\$0	\$0	\$0	\$0
08 12 00	Security window at control & Program	370	SF			\$0.00	0.00	0.00	195.00	\$196.95	\$72,872	\$72,872	\$0	\$0	\$0	\$0
08 12 00	Security & Standard window at Admin & Program	330	SF			\$0.00	0.00	0.00	160.00	\$161.60	\$53,328	\$53,328	\$0	\$0	\$0	\$0
08 12 00	Delete Clear Story	-120	SF			\$0.00	0.00	0.00	160.00	\$161.60	(\$19,392)	(\$19,392)	\$0	\$0	\$0	\$0
08 12 00	Add 12" Solar tube, complete - See roof	0				\$0.00	0.00	0.00	2,135.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 12 00																
08 12 00	HM WINDOW FRAMES - INTERIOR		SF							\$10.62	\$220,251	\$220,251	\$0	\$0	\$0	\$0
08 10 00	HM/WD DOORS / FRAMES / HRDWR - EXT		LFS							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 10 00	HM/WD DOORS / FRAMES / HRDWR - INT		LFS							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	DOORS / FRAMES / HRDWR															
08 34 53	Exterior doors					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	Security Metal door, frame & hardware	0	EA	12.000	carp	\$87.03	1,885.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	Security Metal door, frame & hardware - Rec yard, visiting	0	EA	12.000	carp	\$87.03	1,685.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	Standard Metal door, frame & hardware - Admin	0	EA	6.000	carp	\$87.03	1,235.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	Standard Metal chase door, frame & hardware - Single at tier level	0	EA	4.200	carp	\$87.03	681.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	Security Metal door, frame & hardware - Utility/janitor	0	EA	4.200	carp	\$87.03	481.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	Security Metal door, frame & hardware - Utility (Double)	0	EA	18.000	carp	\$87.03	2,025.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	Interior doors					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	Security Metal door, frame & hardware at cells	0	EA	12.000	carp	\$87.03	1,885.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	Add for hand cuff port & misc. cell door	0	EA	0.000	carp	\$87.03	350.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
08 34 53	Security Metal door, frame & hardware	0	EA	12.000	carp	\$87.03	1,885.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	Med security door / frame & hardware	0	EA	9.000	carp	\$87.03	1,215.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	-	0	EA	1.000	carp	\$87.03	275.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	Add for Remote Access	0	EA	1.000	carp	\$87.03	350.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	Standard Metal door, frame & hardware - Admin	0	EA	6.000	carp	\$87.03	1,085.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	Change dbl door at chase to single	0	EA	1.800	carp	\$87.03	404.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	Doors, frame & Hardware	1	LS			\$0.00	0.00	0.00	648,256.00	\$654,738.56	\$654,739	\$654,739	\$0	\$0	\$0	\$0
08 34 53	HM 12 - A	20				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	HM 14 - A	5				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	HM 16 - A	1				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	HM 12 - B	74				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	HM 12 - C	12				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	HM 14 - C	5				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	HM 16 - C	14				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	HM 12 - E	6				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	HM 14 - E	5				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	HM 14 - N	11				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	HM 12 - GG	1				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	HM 12 - HH	1				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	HM 12 - R	7				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	HM 14 - SHR	6				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53	Add for missing doors - 201 VS 169 in the LS	1	LS			\$0.00	0.00	0.00	98,650.00	\$99,636.50	\$99,637	\$99,637	\$0	\$0	\$0	\$0
08 34 53						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 34 53																
08 34 53	DOORS / FRAMES / HRDWR	169	DRS							\$36.37	\$754,375	\$754,375	\$0	\$0	\$0	\$0
08 90 00	LOUVERS AND VENTS															
08 90 00	Allowance	1	LS			\$0.00	0.00	0.00	2,500.00	\$2,525.00	\$2,525	\$2,525	\$0	\$0	\$0	\$0
08 90 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
08 90 00																
08 90 00	LOUVERS AND VENTS		DRS							\$0.12	\$2,525	\$2,525	\$0	\$0	\$0	\$0
09 20 00	MTL STUDS / DRYWALL - EXTERIOR WALL															
09 20 00	8" MTL stud wall	811	SF			\$0.00	0.00	0.00	18.00	\$18.18	\$14,739	\$14,739	\$0	\$0	\$0	\$0
09 20 00	Furred wall over exterior CMU wall	1,168	SF			\$0.00	0.00	0.00	6.50	\$6.57	\$7,669	\$7,669	\$0	\$0	\$0	\$0
09 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 20 00																
09 20 00	MTL STUDS / DRYWALL - EXTERIOR WALL	1,979	SF							\$1.08	\$22,408	\$22,408	\$0	\$0	\$0	\$0
09 20 00	MTL DRYWALL - INTERIOR WALL															
09 20 00	Interior walls, complete - allowance	0	SF			\$0.00	0.00	0.00	12.50	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 20 00	2" Secured metal partition - plumb chase	173	SF			\$0.00	0.00	0.00	28.00	\$28.28	\$4,884	\$4,884	\$0	\$0	\$0	\$0
09 20 00	5" MTL stud wall w/VHI GB	6,342	SF			\$0.00	0.00	0.00	26.00	\$26.26	\$166,528	\$166,528	\$0	\$0	\$0	\$0
09 20 00	5" MTL stud wall w/VHI GB, one side	1,040	SF			\$0.00	0.00	0.00	20.00	\$20.20	\$20,998	\$20,998	\$0	\$0	\$0	\$0
09 20 00	6" MTL stud wall	1,773	SF			\$0.00	0.00	0.00	14.00	\$14.14	\$25,073	\$25,073	\$0	\$0	\$0	\$0
09 20 00	5" MTL stud wall	2,883	SF			\$0.00	0.00	0.00	12.00	\$12.12	\$34,943	\$34,943	\$0	\$0	\$0	\$0
09 20 00	10" MTL stud wall	762	SF			\$0.00	0.00	0.00	28.00	\$28.28	\$21,558	\$21,558	\$0	\$0	\$0	\$0
09 20 00																
09 20 00	MTL DRYWALL - INTERIOR WALL	12,972	SF							\$13.21	\$273,984	\$273,984	\$0	\$0	\$0	\$0
09 20 00	MTL FRAMING / DRYWALL - CEILINGS															
09 20 00	Drywall w/ Framing - Secured at tier cells + over balcony	5,720	SF			\$0.00	0.00	0.00	20.00	\$20.20	\$115,544	\$115,544	\$0	\$0	\$0	\$0
09 20 00	Drywall w/ Framing - Secured at program & similar	4,200	SF			\$0.00	0.00	0.00	20.00	\$20.20	\$84,840	\$84,840	\$0	\$0	\$0	\$0
09 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 20 00																
09 20 00	MTL FRAMING / DRYWALL - CEILINGS		SF							\$9.66	\$200,384	\$200,384	\$0	\$0	\$0	\$0
09 20 00	Plaster - EXTERIOR WALLS															
09 20 00	EFIS system over Mtl stud w/ Insulation - 2"	827	SF	0.150	carp	\$87.03	6.00	2.00	0.00	\$27.46	\$22,718	\$22,718	\$0	\$0	\$0	\$0
09 20 00	2" EFIS system over CMU w/ Insulation	6,815	SF	0.150	carp	\$87.03	6.00	2.00	-2.80	\$24.64	\$167,881	\$167,881	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
09 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 20 00																
09 20 00	Plaster - EXTERIOR WALLS		SF							\$9.19	\$190,599	\$190,599	\$0	\$0	\$0	\$0
09 20 00	CEILINGS															
09 20 00	Gypsum Board Ceiling standard	2,705	SF			\$0.00	0.00	0.00	8.50	\$8.59	\$23,222	\$23,222	\$0	\$0	\$0	\$0
09 20 00	Suspended ceiling standard	2,705	SF			\$0.00	0.00	0.00	4.50	\$4.55	\$12,294	\$12,294	\$0	\$0	\$0	\$0
09 20 00	Suspended ceiling / high security	5,410	SF			\$0.00	0.00	0.00	12.00	\$12.12	\$65,569	\$65,569	\$0	\$0	\$0	\$0
09 20 00	Exterior Plaster soffits	630	SF	0.140	Carp	\$87.03	7.50	1.00	0.00	\$26.85	\$16,918	\$16,918	\$0	\$0	\$0	\$0
09 20 00																
09 20 00	CEILINGS		SF							\$5.69	\$118,003	\$118,003	\$0	\$0	\$0	\$0
09 30 00	TILE & STONE FLOORS		FLSF							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 30 00	TILE & STONE WALLS															
09 30 00	Walls	936	SF			\$0.00	0.00	0.00	20.00	\$20.20	\$18,907	\$18,907	\$0	\$0	\$0	\$0
09 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 30 00																
09 30 00	TILE & STONE WALLS		WLSF							\$0.91	\$18,907	\$18,907	\$0	\$0	\$0	\$0
09 62 00	FLOORING															
09 62 00	Various Flooring - Epoxy, Sealed, etc	20,740	GSF			\$0.00	0.00	0.00	5.00	\$5.05	\$104,737	\$104,737	\$0	\$0	\$0	\$0
09 62 00	Move floor coverings in offices, breakroom, public and staff toilets to Alt	-1	LS			\$0.00	0.00	0.00	5,000.00	\$5,050.00	(\$5,050)	(\$5,050)	\$0	\$0	\$0	\$0
09 62 00	Add Carpet tiles, sheet vinyl, and ceramic tile floor coverings in offices, breakroom	1	LS			\$0.00	0.00	0.00	5,000.00	\$5,050.00	\$5,050	\$0	\$0	\$5,050	\$0	\$0
09 62 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 62 00																
09 62 00	FLOORING		SF							\$5.05	\$104,737	\$99,687	\$0	\$5,050	\$0	\$0
09 90 00	PAINT - EXTERIOR															
09 90 00	Paint / sealer CMU walls	31,476	SF			\$0.00	0.00	0.00	1.50	\$1.52	\$47,686	\$47,686	\$0	\$0	\$0	\$0
09 90 00	Paint door / frame	169	EA			\$0.00	0.00	0.00	80.00	\$80.80	\$13,655	\$13,655	\$0	\$0	\$0	\$0
09 90 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 90 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 90 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 90 00	PAINT - EXTERIOR		GSF							\$2.96	\$61,341	\$61,341	\$0	\$0	\$0	\$0
09 90 00	PAINT - INTERIOR															
09 90 00	Paint CMU walls	21,820	SF			\$0.00	0.00	0.00	1.20	\$1.21	\$26,445	\$26,445	\$0	\$0	\$0	\$0
09 90 00	Paint gyp walls	27,924	SF			\$0.00	0.00	0.00	1.20	\$1.21	\$33,843	\$33,843	\$0	\$0	\$0	\$0
09 90 00	Paint door / frame (w/ exterior)	0	EA			\$0.00	0.00	0.00	80.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 90 00	Premium for high performance epoxy at cell walls	13,780	SF			\$0.00	0.00	0.00	2.50	\$2.53	\$34,795	\$34,795	\$0	\$0	\$0	\$0
09 90 00	Allowance for painting ceiling & Misc. - Bldg	20,740	GSF			\$0.00	0.00	0.00	1.75	\$1.77	\$36,658	\$36,658	\$0	\$0	\$0	\$0
09 90 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 90 00																
09 90 00	PAINT - INTERIOR		GSF							\$6.35	\$131,741	\$131,741	\$0	\$0	\$0	\$0
09 70 00	WALL COVERING															
09 70 00	Allowance for acoustical wall covering	1	LS			\$0.00	0.00	0.00	10,000.00	\$10,100.00	\$10,100	\$10,100	\$0	\$0	\$0	\$0
09 70 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 70 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 70 00																
09 70 00	WALL COVERING		SF							\$0.49	\$10,100	\$10,100	\$0	\$0	\$0	\$0
09 97 00	MISC FINISHES															
09 97 00	Safety cell Resilient padding	560	SF			\$0.00	0.00	0.00	25.00	\$25.25	\$14,140	\$14,140	\$0	\$0	\$0	\$0
09 97 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
09 97 00																
09 97 00	MISC FINISHES		SF							\$0.68	\$14,140	\$14,140	\$0	\$0	\$0	\$0
10 10 00	INFORMATION SPECIALTIES															
10 10 00	Signage allowances - main & tier	20,740	GSF			\$0.00	0.00	0.00	1.50	\$1.52	\$31,421	\$31,421	\$0	\$0	\$0	\$0
10 10 00	Tunnel, recyard & under catwalk	5,745	GSF			\$0.00	0.00	0.00	0.75	\$0.76	\$4,352	\$4,352	\$0	\$0	\$0	\$0
10 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
10 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
10 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
10 10 00																
10 10 00	INFORMATION SPECIALTIES	SF								\$1.72	\$35,773	\$35,773	\$0	\$0	\$0	\$0
10 20 00	INTERIOR SPECIALTIES															
10 20 00	Toilet accessories, FE & Misc.	1	LS			\$0.00	0.00	0.00	12,316.00	\$12,439.16	\$12,439	\$12,439	\$0	\$0	\$0	\$0
10 20 00	Add for mop racks, storage, chemical dispenser, etc	1	LS			\$0.00	0.00	0.00	5,000.00	\$5,050.00	\$5,050	\$5,050	\$0	\$0	\$0	\$0
10 20 00	Heavy duty shelving units	10	units			\$0.00	0.00	0.00	1,500.00	\$1,515.00	\$15,150	\$15,150	\$0	\$0	\$0	\$0
10 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
10 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
10 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
10 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
10 20 00	INTERIOR SPECIALTIES	SF								\$1.57	\$32,639	\$32,639	\$0	\$0	\$0	\$0
10 70 00	EXTERIOR SPECIALTIES	SF								\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 50 00	EDUCATIONAL AND SCIENTIFIC EQUIPMENT															
11 50 00	Allowance for program medium rooms	4	set			\$0.00	0.00	0.00	10,000.00	\$10,100.00	\$40,400	\$40,400	\$0	\$0	\$0	\$0
11 50 00	Allowance for small program rooms / visiting	12	set			\$0.00	0.00	0.00	2,500.00	\$2,525.00	\$30,300	\$30,300	\$0	\$0	\$0	\$0
11 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 50 00	EDUCATIONAL AND SCIENTIFIC EQUIPMENT	SF								\$3.41	\$70,700	\$70,700	\$0	\$0	\$0	\$0
11 65 00	ATHLETIC AND RECREATIONAL EQUIPMENT															
11 65 00	Rec yard equipment - N/A	0	EA	12.000	I2	\$75.66	950.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 65 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 65 00																
11 65 00	ATHLETIC AND RECREATIONAL EQUIPMENT	SF								\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 19 00	DETENTION EQUIPMENT															
11 19 00	Bunk bed	12	EA	3.000	carp	\$87.03	600.00	0.00	0.00	\$1,068.97	\$12,828	\$12,828	\$0	\$0	\$0	\$0
11 19 00	ADA Bunk bed	0	EA	2.000	carp	\$87.03	750.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 19 00	4 person table - Program Room	12	EA	1.600	carp	\$87.03	800.00	0.00	0.00	\$1,137.06	\$13,645	\$13,645	\$0	\$0	\$0	\$0
11 19 00	4 person table - Day Room	6	EA	1.600	carp	\$87.03	800.00	0.00	0.00	\$1,137.06	\$6,822	\$6,822	\$0	\$0	\$0	\$0
11 19 00	2 person table - Day Room	12	EA	1.200	carp	\$87.03	500.00	0.00	0.00	\$734.68	\$8,816	\$8,816	\$0	\$0	\$0	\$0
11 19 00	Safety Toilet Paper Holder	0	EA	0.250	carp	\$87.03	65.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 19 00	Hook and Shelves	48	EA	0.250	carp	\$87.03	65.00	0.00	0.00	\$106.80	\$5,126	\$5,126	\$0	\$0	\$0	\$0
11 19 00	ADA Shower Seat	7	EA	1.000	carp	\$87.03	175.00	0.00	0.00	\$326.80	\$2,288	\$2,288	\$0	\$0	\$0	\$0
11 19 00	Sec Grab Bar, L shape	8	EA	2.000	carp	\$87.03	150.00	0.00	0.00	\$417.37	\$3,339	\$3,339	\$0	\$0	\$0	\$0
11 19 00	Sec Grab Bar, 42"	12	EA	1.000	carp	\$87.03	90.00	0.00	0.00	\$226.40	\$2,717	\$2,717	\$0	\$0	\$0	\$0
11 19 00	Desk & seat	42	EA	1.000	carp	\$87.03	350.00	0.00	0.00	\$533.49	\$22,407	\$22,407	\$0	\$0	\$0	\$0
11 19 00	ADA Desk & seat	6	EA	1.000	carp	\$87.03	450.00	0.00	0.00	\$651.60	\$3,910	\$3,910	\$0	\$0	\$0	\$0
11 19 00	Modesty Panel	4	EA	1.000	carp	\$87.03	375.00	0.00	0.00	\$563.02	\$2,252	\$2,252	\$0	\$0	\$0	\$0
11 19 00	Mirror	55	EA			\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 19 00	Modesty Panel	8	EA	1.000	carp	\$87.03	375.00	0.00	0.00	\$563.02	\$4,504	\$4,504	\$0	\$0	\$0	\$0
11 19 00	Misc. items - TV bracket,	0	EA	2.000	carp	\$87.03	500.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 19 00	Allowance for Admin / visiting area - bench, etc	1	LS			\$0.00	0.00	0.00	15,000.00	\$15,150.00	\$15,150	\$15,150	\$0	\$0	\$0	\$0
11 19 00	Add 14 GA SS partitions at visiting stations	8	Set	2.000	e2	\$98.83	350.00	0.00	0.00	\$686.15	\$5,489	\$5,489	\$0	\$0	\$0	\$0
11 19 00						0.000	\$0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 19 00						0.000	\$0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 19 00						0.000	\$0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 19 00						0.000	\$0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 19 00						0.000	\$0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 19 00	DETENTION EQUIPMENT	SF								\$5.27	\$109,292	\$109,292	\$0	\$0	\$0	\$0
11 70 00	HEALTHCARE EQUIPMENT															
11 70 00	Allowance for pharmacy, medical, dental	1	LS			\$0.00	0.00	0.00	102,685.00	\$103,711.85	\$103,712	\$103,712	\$0	\$0	\$0	\$0
11 70 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
11 70 00																
11 70 00	HEALTHCARE EQUIPMENT	SF								\$5.00	\$103,712	\$103,712	\$0	\$0	\$0	\$0
12 40 00	FURNISHINGS AND ACCESSORIES															



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
12 40 00	Allowance	20,740	GSF			\$0.00	0.00	0.00	0.50	\$0.51	\$10,474	\$10,474	\$0	\$0	\$0	\$0
12 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
12 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
12 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
12 40 00	FURNISHINGS AND ACCESSORIES		GSF							\$0.51	\$10,474	\$10,474	\$0	\$0	\$0	\$0
12 21 00	WINDOW TREATMENTS															
12 21 00	Allowance for minimal	1	LS			\$0.00	0.00	0.00	2,500.00	\$2,525.00	\$2,525	\$2,525	\$0	\$0	\$0	\$0
12 21 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
12 21 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
12 21 00	WINDOW TREATMENTS		SF							\$0.12	\$2,525	\$2,525	\$0	\$0	\$0	\$0
13 30 00	SPECIAL STRUCTURES - VE															
13 30 00	Move floor coverings in offices, breakroom, public and staff toilets to Alt	-1	LS			\$0.00	0.00	0.00	4,950.50	\$5,000.00	(\$5,000)	(\$5,000)	\$0	\$0	\$0	\$0
13 30 00	Add Carpet tiles, sheet vinyl, and ceramic tile floor coverings in offices, breakroom	1	LS			\$0.00	0.00	0.00	4,950.50	\$5,000.00	\$5,000	\$0	\$0	\$5,000	\$0	\$0
13 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
13 30 00	Change 6' tall ground face CMU wall to 6' tall galvanized steel fence (reference Napa Re-Entry facility).					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
13 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
13 30 00	Add roof-top mechanical screen. Base bid is no screen.	1,100	SF	0.000	0.000	0.000	0.000	0.000	60.000	\$60.60	\$66,660	\$0	\$0	\$66,660	\$0	\$0
13 30 00	Delete roof-top mechanical screen. Base bid is no screen.	-1,100	SF	0.000	0.000	0.000	0.000	0.000	60.000	\$60.60	(\$66,660)	(\$66,660)	\$0	\$0	\$0	\$0
13 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
13 30 00	Add ceramic tile walls in lieu of plastic wall panels in public and staff toilets	1	LS			\$0.00	0.00	0.00	990.10	\$1,000.00	\$1,000	\$0	\$0	\$1,000	\$0	\$0
13 30 00	Delete ceramic tile walls in lieu of plastic wall panels in public and staff toilets	-1	LS			\$0.00	0.00	0.00	990.10	\$1,000.00	(\$1,000)	(\$1,000)	\$0	\$0	\$0	\$0
13 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
13 30 00	Add dry marker boards to small program rooms/visiting. Base bid is no dry marke	1	LS			\$0.00	0.00	0.00	69,306.93	\$70,000.00	\$70,000	\$0	\$0	\$70,000	\$0	\$0
13 30 00	Delete dry marker boards to small program rooms/visiting	-4	LS	0.000	0.000	0.000	0.000	0.000	10,000.000	\$10,100.00	(\$40,400)	(\$40,400)	\$0	\$0	\$0	\$0
13 30 00	Delete dry marker boards to small program rooms/visiting	-12	LS	0.000	0.000	0.000	0.000	0.000	2,500.000	\$2,525.00	(\$30,300)	(\$30,300)	\$0	\$0	\$0	\$0
13 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
13 30 00	Remove 3-coat plaster soffits and faux pilasters at public entry and administrator	-630	SF	0.140	Carp	87.028	7.500	1.000	0.000	\$26.85	(\$16,918)	(\$16,918)	\$0	\$0	\$0	\$0
13 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
13 30 00	Reduce number of clerestory windows (dayrooms) to 18 windows from 24. Already deleted					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
13 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
13 30 00	Revise staff patio wall construction from Masonry to galvanized steel.	-1	LS			\$0.00	0.00	0.00	2,475.25	\$2,500.00	(\$2,500)	(\$2,500)	\$0	\$0	\$0	\$0
13 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
13 30 00	Change 10" CMU to 8" CMU at housing perimeter					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
13 30 00	Delete 10" CMU	-7,316	SF	0.200	d8	\$73.04	14.00	2.00	0.00	\$39.06	(\$285,766)	(\$285,766)	\$0	\$0	\$0	\$0
13 30 00	Add 8" CMU	7,316	SF	0.180	d8	73.045	12.500	1.750	0.000	\$34.98	\$255,894	\$255,894	\$0	\$0	\$0	\$0
13 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
13 30 00	Change woven wire mesh yard enclosure to No-Climb chain link fence enclosure.	-5,490	SF	0.000	0.000	0.000	0.000	0.000	22.000	\$22.22	(\$121,988)	(\$121,988)	\$0	\$0	\$0	\$0
13 30 00	Add Chain Link	5,490	SF			\$0.00	0.00	0.00	15.00	\$15.15	\$83,174	\$83,174	\$0	\$0	\$0	\$0
13 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
13 30 00	Remove 2" EIFS w/insulation from the project design.	-827	SF	0.150	carp	87.028	6.000	2.000	0.000	\$27.46	(\$22,718)	(\$22,718)	\$0	\$0	\$0	\$0
13 30 00	Remove 2" EIFS from the project design.	-6,815	SF	0.150	carp	87.028	6.000	2.000	-2.800	\$24.64	(\$167,881)	(\$167,881)	\$0	\$0	\$0	\$0
13 30 00	Add sealer / paint	6,815	SF			\$0.00	0.00	0.00	1.50	\$1.52	\$10,324	\$10,324	\$0	\$0	\$0	\$0
13 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
13 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
13 30 00	SPECIAL STRUCTURES - VE		20,740 GSF							(\$12.97)	(\$269,080)	(\$411,740)	\$0	\$142,660	\$0	\$0
21 10 00	WATER-BASED FIRE SUPPRESSION SYSTEMS															
21 10 00	Fire protection system - main & tier	20,740	GSF			\$0.00	0.00	0.00	7.00	\$7.07	\$146,632	\$146,632	\$0	\$0	\$0	\$0
21 10 00	Fire protection system - under catwalk	1,390	sf			\$0.00	0.00	0.00	6.00	\$6.06	\$8,423	\$8,423	\$0	\$0	\$0	\$0
21 10 00	Fire protection system - tunnel	805	sf			\$0.00	0.00	0.00	10.00	\$10.10	\$8,131	\$8,131	\$0	\$0	\$0	\$0
21 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
21 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
21 10 00	WATER-BASED FIRE SUPPRESSION SYSTEMS		20,740 GSF							\$7.87	\$163,186	\$163,186	\$0	\$0	\$0	\$0
22 10 00	PLUMBING FIXTURES & PIPING															
22 10 00	<i>Fixtures</i>															
22 10 00	Water Closet, Comby secure w/ electronic control	54	ea			\$0.00	0.00	0.00	5,350.00	\$5,403.50	\$291,789	\$291,789	\$0	\$0	\$0	\$0
22 10 00	Water Closet, non-secure,	3	ea			\$0.00	0.00	0.00	995.00	\$1,004.95	\$3,015	\$3,015	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
22 10 00	Detox Floor, secure	1	ea			\$0.00	0.00	0.00	2,100.00	\$2,121.00	\$2,121	\$2,121	\$0	\$0	\$0	\$0
22 10 00	Lavatory	4	ea			\$0.00	0.00	0.00	895.00	\$903.95	\$3,616	\$3,616	\$0	\$0	\$0	\$0
22 10 00	Lavatory, Secure	6	ea			\$0.00	0.00	0.00	1,640.00	\$1,656.40	\$9,938	\$9,938	\$0	\$0	\$0	\$0
22 10 00	Sink	7	ea			\$0.00	0.00	0.00	1,450.00	\$1,464.50	\$10,252	\$10,252	\$0	\$0	\$0	\$0
22 10 00	Service Sink-Secure	12	ea			\$0.00	0.00	0.00	1,150.00	\$1,161.50	\$13,938	\$13,938	\$0	\$0	\$0	\$0
22 10 00	Shower -Secure w/electronic control	7	ea			\$0.00	0.00	0.00	3,840.00	\$3,878.40	\$27,149	\$27,149	\$0	\$0	\$0	\$0
22 10 00	Floor drain	20	ea			\$0.00	0.00	0.00	255.00	\$257.55	\$5,151	\$5,151	\$0	\$0	\$0	\$0
22 10 00	Floor Sink	4	ea			\$0.00	0.00	0.00	880.00	\$888.80	\$3,555	\$3,555	\$0	\$0	\$0	\$0
22 10 00	Hose Bibb	12	ea			\$0.00	0.00	0.00	275.00	\$277.75	\$3,333	\$3,333	\$0	\$0	\$0	\$0
22 10 00	Cleanout, CO	20	ea			\$0.00	0.00	0.00	220.00	\$222.20	\$4,444	\$4,444	\$0	\$0	\$0	\$0
22 10 00																
22 10 00	Piping															
22 10 00	Waste	1,205	lf			\$0.00	0.00	0.00	55.00	\$55.55	\$66,938	\$66,938	\$0	\$0	\$0	\$0
22 10 00	Vent	670	lf			\$0.00	0.00	0.00	55.00	\$55.55	\$37,219	\$37,219	\$0	\$0	\$0	\$0
22 10 00	Water	2,625	lf			\$0.00	0.00	0.00	70.00	\$70.70	\$185,588	\$185,588	\$0	\$0	\$0	\$0
22 10 00	Fixture Rough-in Waste	139	ea			\$0.00	0.00	0.00	540.00	\$545.40	\$75,811	\$75,811	\$0	\$0	\$0	\$0
22 10 00	Fixture Rough-in Water	107	ea			\$0.00	0.00	0.00	540.00	\$545.40	\$58,358	\$58,358	\$0	\$0	\$0	\$0
22 10 00	Gas	220	lf			\$0.00	0.00	0.00	45.00	\$45.45	\$9,999	\$9,999	\$0	\$0	\$0	\$0
22 10 00	Condensate	8	ea			\$0.00	0.00	0.00	775.00	\$782.75	\$6,262	\$6,262	\$0	\$0	\$0	\$0
22 10 00																
22 10 00	PLUMBING FIXTURES & PIPING	118	FIXT							\$39.46	\$818,474	\$818,474	\$0	\$0	\$0	\$0
22 60 00	GAS & WATER METERS	20,740	GSF							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
22 30 00	PLUMBING EQUIPMENT															
22 30 00	Gas Water Heater ,GWH-1 399MBH	1	EA			\$0.00	0.00	0.00	0.00	\$15,937.80	\$15,938	\$15,938	\$0	\$0	\$0	\$0
22 30 00	Expansion Tank, ET-1	1	EA			\$0.00	0.00	0.00	0.00	\$1,186.75	\$1,187	\$1,187	\$0	\$0	\$0	\$0
22 30 00	Circulation Pump CP-1, 12 gpm, 1/6hp	1	EA			\$0.00	0.00	0.00	0.00	\$1,196.85	\$1,197	\$1,197	\$0	\$0	\$0	\$0
22 30 00	Earthquake Valve,GSV-1	1	EA			\$0.00	0.00	0.00	0.00	\$2,121.00	\$2,121	\$2,121	\$0	\$0	\$0	\$0
22 30 00	Gas pressure Regulator, GPRV-1	1	EA			\$0.00	0.00	0.00	0.00	\$257.55	\$258	\$258	\$0	\$0	\$0	\$0
22 30 00	Temperature Mixing Valve	1	ea			\$0.00	0.00	0.00	\$18,640.00	\$18,640.00	\$18,826	\$18,826	\$0	\$0	\$0	\$0
22 30 00	Backflow Preventer	2	EA			\$0.00	0.00	0.00	0.00	\$497.43	\$995	\$995	\$0	\$0	\$0	\$0
22 30 00																
22 30 00	PLUMBING EQUIPMENT	GSF								\$1.95	\$40,521	\$40,521	\$0	\$0	\$0	\$0
22 70 00	PLUMBING - ROOF DRAINAGE															
22 70 00	Roof drain and piping - N/A	0				\$0.00	0.00	0.00	1,850.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
22 70 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
22 70 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
22 70 00																
22 70 00	PLUMBING - ROOF DRAINAGE	DRAIN								\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
02 41 00	HVAC - DEMOLITION	20,740	GSF							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 30 00	HVAC DISTRIBUTION															
23 30 00	GSM Ducting	19,210	lbs			\$0.00	0.00	0.00	13.85	\$13.99	\$268,719	\$268,719	\$0	\$0	\$0	\$0
23 30 00	Duct insulation	13,100	sf			\$0.00	0.00	0.00	3.15	\$3.18	\$41,678	\$41,678	\$0	\$0	\$0	\$0
23 30 00	Flex @ registers 5ft ea	340	LF			\$82.67	3.88	0.00	28.60	\$28.00	\$11,379	\$11,379	\$0	\$0	\$0	\$0
23 30 00	Registers	81	ea			\$0.00	0.00	0.00	185.00	\$186.85	\$15,135	\$15,135	\$0	\$0	\$0	\$0
23 30 00	Registers-security	150	ea			\$0.00	0.00	0.00	397.00	\$400.97	\$60,146	\$60,146	\$0	\$0	\$0	\$0
23 30 00	Dampers and accessories	1	lot			\$0.00	0.00	0.00	15,800.00	\$15,958.00	\$15,958	\$15,958	\$0	\$0	\$0	\$0
23 30 00	Fire/smoke dampers, various sizes, Allowance	12	ea			\$0.00	0.00	0.00	825.00	\$833.25	\$9,999	\$9,999	\$0	\$0	\$0	\$0
23 30 00	Security bars for duct penetrations at walls	1	lot			\$0.00	0.00	0.00	15,000.00	\$15,150.00	\$15,150	\$15,150	\$0	\$0	\$0	\$0
23 30 00	Louvers-Exterior	6	ea			\$0.00	0.00	0.00	1,150.00	\$1,161.50	\$6,969	\$6,969	\$0	\$0	\$0	\$0
23 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 30 00																
23 30 00	HVAC DISTRIBUTION	LBS								\$21.46	\$445,132	\$445,132	\$0	\$0	\$0	\$0
23 20 00	HVAC - PIPING AND PUMPS															
23 20 00	Hot water supply/return insulated <2	625	lf			\$0.00	0.00	0.00	67.00	\$67.67	\$42,294	\$42,294	\$0	\$0	\$0	\$0
23 20 00	Valves and specialties	1	lot			\$0.00	0.00	0.00	21,600.00	\$21,816.00	\$21,816	\$21,816	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
23 20 00	VAV Hot water coil connections	21	ea			\$0.00	0.00	0.00	1,225.00	\$1,237.25	\$25,982	\$25,982	\$0	\$0	\$0	\$0
23 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 20 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 20 00	HVAC - PIPING AND PUMPS		LF							\$4.34	\$90,092	\$90,092	\$0	\$0	\$0	\$0
23 20 00	DECENTRALIZED HVAC EQUIPMENT															
23 20 00	Rooftop Package DX/Gas Heat, Qty 7	45	tons			\$0.00	0.00	0.00	2,945.00	\$2,974.45	\$133,850	\$133,850	\$0	\$0	\$0	\$0
23 20 00	VAV Terminal Units w/HW reheat	21	ea			\$0.00	0.00	0.00	1,650.00	\$1,666.50	\$34,997	\$34,997	\$0	\$0	\$0	\$0
23 20 00	Rooftop Exhaust Fans, Qty 10	4,880	cfm			\$0.00	0.00	0.00	2.10	\$2.12	\$10,350	\$10,350	\$0	\$0	\$0	\$0
23 20 00	Ductless Split System, 1.5 ton	1	ea			\$0.00	0.00	0.00	6,580.00	\$6,645.80	\$6,646	\$6,646	\$0	\$0	\$0	\$0
23 20 00	Ceiling Exhaust Fans,	1	ea			\$0.00	0.00	0.00	245.00	\$247.45	\$247	\$247	\$0	\$0	\$0	\$0
23 20 00	In-line Exhaust Fans, Qty 1	400	cfm			\$0.00	0.00	0.00	1.85	\$1.87	\$747	\$747	\$0	\$0	\$0	\$0
23 20 00	Hot Water Boiler, 200 MBH	1	ea			\$0.00	0.00	0.00	9,460.00	\$9,554.60	\$9,555	\$9,555	\$0	\$0	\$0	\$0
23 20 00	Hot Water Pumps	2	ea			\$0.00	0.00	0.00	1,870.00	\$1,888.70	\$3,777	\$3,777	\$0	\$0	\$0	\$0
23 20 00	Pot Feeder/Exp. Tank	1	ea			\$0.00	0.00	0.00	1,940.00	\$1,959.40	\$1,959	\$1,959	\$0	\$0	\$0	\$0
23 20 00	Primary/Secondary Header	1	ea			\$0.00	0.00	0.00	1,260.00	\$1,272.60	\$1,273	\$1,273	\$0	\$0	\$0	\$0
23 20 00	Unit Heater, electric 1.5kw	1	ea			\$0.00	0.00	0.00	980.00	\$989.80	\$990	\$990	\$0	\$0	\$0	\$0
23 20 00	Noise and Vibration Control	1	lot			\$0.00	0.00	0.00	25,000.00	\$25,250.00	\$25,250	\$25,250	\$0	\$0	\$0	\$0
23 20 00																
23 20 00	DECENTRALIZED HVAC EQUIPMENT		SF							\$11.07	\$229,642	\$229,642	\$0	\$0	\$0	\$0
22 10 00	HVAC - GAS PIPING		LF							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 70 00	HVAC - CENTRAL PLANT EQUIPMENT		CFM							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 09 00	HVAC - CONTROLS															
23 09 00	DDC Controls	20,740	sf			\$0.00	0.00	0.00	1.75	\$1.77	\$36,658	\$36,658	\$0	\$0	\$0	\$0
23 09 00	Package Units	7	ea			\$0.00	0.00	0.00	3,850.00	\$3,888.50	\$27,220	\$27,220	\$0	\$0	\$0	\$0
23 09 00	Exhaust fans	11	ea			\$0.00	0.00	0.00	1,750.00	\$1,767.50	\$19,443	\$19,443	\$0	\$0	\$0	\$0
23 09 00	VAV Boxes-Reheat	21	ea			\$0.00	0.00	0.00	2,180.00	\$2,201.80	\$46,238	\$46,238	\$0	\$0	\$0	\$0
23 09 00	Hot Water Boiler	1	ea			\$0.00	0.00	0.00	3,200.00	\$3,232.00	\$3,232	\$3,232	\$0	\$0	\$0	\$0
23 09 00	Hot Water Pumps	2	ea			\$0.00	0.00	0.00	2,450.00	\$2,474.50	\$4,949	\$4,949	\$0	\$0	\$0	\$0
23 09 00	Digital Temperature Mixing Station	1	ea			\$0.00	0.00	0.00	0.00	\$3,150.00	\$0	\$0	\$0	\$0	\$0	\$0
23 09 00																
23 09 00	HVAC - CONTROLS		20,740 GSF							\$6.64	\$137,739	\$137,739	\$0	\$0	\$0	\$0
23 08 00	HVAC - BALANCING AND COMMISSION															
23 08 00	Air/Water/Commissioning assistance	20,740	sf			\$0.00	0.00	0.00	1.50	\$1.52	\$31,421	\$31,421	\$0	\$0	\$0	\$0
23 08 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 08 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 08 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 08 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 08 00	HVAC - BALANCING AND COMMISSION		20,740 GSF							\$1.52	\$31,421	\$31,421	\$0	\$0	\$0	\$0
23 08 00	HVAC - MISCELLANEOUS															
23 08 00	Seismic	20,740	sf			\$0.00	0.00	0.00	0.65	\$0.66	\$13,616	\$13,616	\$0	\$0	\$0	\$0
23 08 00	Labeling	20,740	sf			\$0.00	0.00	0.00	0.10	\$0.10	\$2,095	\$2,095	\$0	\$0	\$0	\$0
23 08 00	Firestopping	20,740	sf			\$0.00	0.00	0.00	0.65	\$0.66	\$13,616	\$13,616	\$0	\$0	\$0	\$0
23 08 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 08 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 08 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 08 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
23 08 00	HVAC - MISCELLANEOUS		20,740 GSF							\$1.41	\$29,326	\$29,326	\$0	\$0	\$0	\$0
25 00 00	INTEGRATED AUTOMATION		20,740 GSF							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
02 41 00	ELECTRICAL - DEMOLITION		20,740 GSF							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 32 00	EMERGENCY GENERATOR															
26 32 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	See Site	0		0.000	r3	\$83.76	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 32 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 32 00																
26 32 00	EMERGENCY GENERATOR		KW							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
26 00 00	MAIN SWITCHGEAR															
26 00 00	MSB : w/ Utility meter section	0 EA		40.000 r3		\$83.76	16,500.00	1,500.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Dist Panel 1200a 120/208v, 3ph, 4w Main Switchboard "MSS"	1 EA		50.160 elec		\$80.62	36,675.00	0.00	0.00	\$48,898.52	\$48,899	\$48,899	\$0	\$0	\$0	\$0
26 00 00	Power monitoring meter	1 EA		16.850 elec		\$80.62	5,162.50	0.00	0.00	\$7,972.28	\$7,972	\$7,972	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
22 10 00	MAIN SWITCHGEAR									\$2.74	\$56,871	\$56,871	\$0	\$0	\$0	\$0
26 00 00	BUILDING DISTRIBUTION EQUIPMENT															
26 00 00	Standby Building Distribution Equipment					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Emergency Dist Board 800a 120/208v, 3ph, 4w "EDB"	1 EA		48.000 elec		\$80.62	7,568.40	0.00	0.00	\$14,279.67	\$14,280	\$14,280	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Automatic Transfer Switches					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Automatic Transfer Switch"LS": 100amp, 250V ,4pole open transition	1 EA		6.154 elec		\$80.62	2,625.00	0.00	0.00	\$3,785.14	\$3,785	\$3,785	\$0	\$0	\$0	\$0
26 00 00	Automatic Transfer Switch"EQ": 600amp, 250V ,4pole open transition	1 EA		16.000 elec		\$80.62	8,600.00	0.00	0.00	\$11,937.82	\$11,938	\$11,938	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Dist Panel 600a 120/208v, 3ph, 4w Equipment Emergency "EEQ"	1 EA		42.000 elec		\$80.62	6,550.00	0.00	0.00	\$12,409.26	\$12,409	\$12,409	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Dist Panel 250a 120/208v, 3ph, 4w Life Safety Emergency "ELS"	1 EA		34.783 elec		\$80.62	5,125.00	0.00	0.00	\$9,923.19	\$9,923	\$9,923	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Fire Pump: 174HPp, 208V ,4pole Self Contained Diesel Fire Pump with 3" Relief vale,Battery Kit, 12V fluidless primer assembly	0 EA		48.690 r3		\$83.76	43,550.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	150HP Fire pump connection	0 EA		4.440 elec		\$80.62	235.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Standby Dist Panel 600a 120/208v, 3ph, 4w	0 EA		42.000 elec		\$80.62	6,550.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Power monitoring meter	0 EA		16.850 elec		\$80.62	5,162.50	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Normal Building Distribution Equipment					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Dist Panel 600a 120/208v, 3ph, 4w "NDB"	1 EA		42.000 elec		\$80.62	6,550.00	0.00	0.00	\$12,409.26	\$12,409	\$12,409	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Normal Panels CU Bus Bolt-on breakers					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Panel 100a 120/208v, 30 circuit, 3ph, 4w	6 EA		17.021 elec		\$80.62	1,175.00	0.00	0.00	\$3,281.56	\$19,689	\$19,689	\$0	\$0	\$0	\$0
26 00 00	Panel 225a 120/208v, 42 circuit,3ph, 4w	3 EA		22.800 elec		\$80.62	1,939.00	0.00	0.00	\$4,826.91	\$14,481	\$14,481	\$0	\$0	\$0	\$0
26 00 00	Panel 400a 120/208v, 42 circuit, 3ph, 4w	1 EA		34.783 elec		\$80.62	5,125.00	0.00	0.00	\$9,923.19	\$9,923	\$9,923	\$0	\$0	\$0	\$0
26 00 00	Panel backing	20 EA		3.200 elec		\$80.62	60.00	0.00	0.00	\$426.90	\$8,538	\$8,538	\$0	\$0	\$0	\$0
26 00 00	Panel anchors	40 EA		0.500 elec		\$80.62	2.10	0.00	0.00	\$58.11	\$2,324	\$2,324	\$0	\$0	\$0	\$0
26 00 00	Seismic bracing	10 EA		4.500 elec		\$80.62	310.00	0.00	0.00	\$866.82	\$8,668	\$8,668	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	BUILDING DISTRIBUTION EQUIPMENT									\$6.19	\$128,368	\$128,368	\$0	\$0	\$0	\$0
26 00 00	POWER DISTRIBUTION / RECEPTACLES															
26 00 00	Convenience Outlets and Circuitry					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Duplex receptacle	116 EA		0.296 elec		\$80.62	8.35	0.00	0.00	\$42.80	\$4,964	\$4,964	\$0	\$0	\$0	\$0
26 00 00	Duplex receptacle w/ lockable cover	12 EA		0.296 elec		\$80.62	47.40	0.00	0.00	\$88.92	\$1,067	\$1,067	\$0	\$0	\$0	\$0
26 00 00	Double Duplex receptacle	7 EA		0.592 elec		\$80.62	16.72	0.00	0.00	\$85.61	\$599	\$599	\$0	\$0	\$0	\$0
26 00 00	GFCI Duplex receptacle	12 EA		0.296 elec		\$80.62	39.50	0.00	0.00	\$79.59	\$955	\$955	\$0	\$0	\$0	\$0
26 00 00	Double GFCI Duplex receptacle @ equipment racks not shown	10 EA		0.592 elec		\$80.62	79.00	0.00	0.00	\$159.17	\$1,592	\$1,592	\$0	\$0	\$0	\$0
26 00 00	GFCI Duplex receptacle w/wp plate	4 EA		0.296 elec		\$80.62	48.10	0.00	0.00	\$89.74	\$359	\$359	\$0	\$0	\$0	\$0
26 00 00	GFCI Duplex receptacle w/wp plate @ roof	4 EA		0.296 elec		\$80.62	48.10	0.00	0.00	\$89.74	\$359	\$359	\$0	\$0	\$0	\$0
26 00 00	Multiuse floor box	0 EA		2.560 elec		\$80.62	539.18	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Outlet boxes w/ barhanger ,ring and plate	148 EA		0.576 elec		\$80.62	17.01	0.00	0.00	\$84.18	\$12,458	\$12,458	\$0	\$0	\$0	\$0
26 00 00	Outlet boxes w/ barhanger ,2 gang ring and plate	17 EA		0.576 elec		\$80.62	19.40	0.00	0.00	\$87.00	\$1,479	\$1,479	\$0	\$0	\$0	\$0
26 00 00	Junction Boxes with blank cover	73 EA		0.502 elec		\$80.62	16.78	0.00	0.00	\$75.67	\$5,524	\$5,524	\$0	\$0	\$0	\$0
26 00 00	Pwr Branch cks OH	2,300 LF		0.098 elec		\$80.62	2.00	0.00	0.00	\$13.27	\$30,511	\$30,511	\$0	\$0	\$0	\$0
26 00 00	Power branch Homerun Ckts	660 LF		0.098 elec		\$80.62	1.90	0.00	0.00	\$13.15	\$8,677	\$8,677	\$0	\$0	\$0	\$0
26 00 00	Misc supports	1 LS		14.504 elec		\$80.62	500.32	0.00	0.00	\$2,204.65	\$2,205	\$2,205	\$0	\$0	\$0	\$0
26 00 00	Tamperproof plate single gang	20 EA		0.133 elec		\$80.62	13.90	0.00	0.00	\$31.22	\$624	\$624	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	LMPL-100 receptacle load controller	62	EA	0.800	elec	\$80.62	144.40	0.00	0.00	\$259.56	\$16,093	\$16,093	\$0	\$0	\$0	\$0
26 00 00	1" EMT conduit w-pull-line	620	LF	0.067	elec	\$80.62	1.10	0.00	0.00	\$8.75	\$5,427	\$5,427	\$0	\$0	\$0	\$0
26 00 00	1" EMT connectors	124	EA	0.089	elec	\$80.62	6.80	0.00	0.00	\$17.93	\$2,224	\$2,224	\$0	\$0	\$0	\$0
26 00 00	1" EMT straps	78	EA	0.018	elec	\$80.62	0.21	0.00	0.00	\$2.25	\$176	\$176	\$0	\$0	\$0	\$0
26 00 00	1" conduit wall penetration /seal	62	EA	0.250	elec	\$80.62	3.40	0.00	0.00	\$31.83	\$1,973	\$1,973	\$0	\$0	\$0	\$0
26 00 00	Cat 6A 4-pr copper cable	2,480	LF	0.016	elec	\$80.62	0.30	0.00	0.00	\$2.13	\$5,294	\$5,294	\$0	\$0	\$0	\$0
26 00 00	Cat 6A 4-pr copper termination	124	EA	0.300	elec	\$80.62	0.10	0.00	0.00	\$33.50	\$4,153	\$4,153	\$0	\$0	\$0	\$0
26 00 00	RJ45 connectors	124	EA	0.100	elec	\$80.62	1.32	0.00	0.00	\$12.69	\$1,573	\$1,573	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Receptacle Control Not Shown					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Security LV Interface Branch ckts OH	900	LF	0.016	elec	\$80.62	0.30	0.00	0.00	\$2.13	\$1,921	\$1,921	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	CPAP Access Panels					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Access Panel @ hard lid	6	EA	0.576	elec	\$80.62	17.01	0.00	0.00	\$84.18	\$505	\$505	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Motorized window operator equipment connections (Operators FBO)					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Junction Boxes @ contol location 120V	6	EA	0.502	elec	\$80.62	16.78	0.00	0.00	\$75.67	\$454	\$454	\$0	\$0	\$0	\$0
26 00 00	Control Location, 20a, 120v, 1PH,motor motor connection	6	EA	0.367	elec	\$80.62	22.35	0.00	0.00	\$67.23	\$403	\$403	\$0	\$0	\$0	\$0
26 00 00	3/4" Flex w/ 3) #12 ,1) #12 Cu	3	LF	0.101	elec	\$80.62	2.46	0.00	0.00	\$14.13	\$42	\$42	\$0	\$0	\$0	\$0
26 00 00	3/4" flex connectors	1	EA	0.160	elec	\$80.62	6.55	0.00	0.00	\$25.54	\$26	\$26	\$0	\$0	\$0	\$0
26 00 00	3/4" flex connectors 90 degree	1	EA	0.160	elec	\$80.62	7.60	0.00	0.00	\$26.78	\$27	\$27	\$0	\$0	\$0	\$0
26 00 00	3/4" EMT 3) #12 CU	400	LF	0.084	elec	\$80.62	1.29	0.00	0.00	\$10.85	\$4,341	\$4,341	\$0	\$0	\$0	\$0
26 00 00	3/4" EMT connectors	12	EA	0.073	elec	\$80.62	4.05	0.00	0.00	\$12.91	\$155	\$155	\$0	\$0	\$0	\$0
26 00 00	3/4" EMT straps	50	EA	0.018	elec	\$80.62	0.21	0.00	0.00	\$2.25	\$113	\$113	\$0	\$0	\$0	\$0
26 00 00	3/4" conduit wall penetration /seal	6	EA	0.220	elec	\$80.62	1.50	0.00	0.00	\$26.25	\$157	\$157	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Motorized window controller, Security control	6	EA	0.367	elec	\$80.62	22.35	0.00	0.00	\$67.23	\$403	\$403	\$0	\$0	\$0	\$0
26 00 00	1" EMT w/ CAT 5E cable	400	LF	0.071	elec	\$80.62	1.74	0.00	0.00	\$9.95	\$3,982	\$3,982	\$0	\$0	\$0	\$0
26 00 00	1" EMT connectors	12	EA	0.089	elec	\$80.62	6.80	0.00	0.00	\$17.93	\$215	\$215	\$0	\$0	\$0	\$0
26 00 00	1" EMT straps	50	EA	0.018	elec	\$80.62	0.21	0.00	0.00	\$2.25	\$113	\$113	\$0	\$0	\$0	\$0
26 00 00	RJ45 connectors	12	EA	0.100	elec	\$80.62	1.32	0.00	0.00	\$12.69	\$152	\$152	\$0	\$0	\$0	\$0
26 00 00	3/4",1" conduit wall penetration /seal	6	EA	0.250	elec	\$80.62	3.40	0.00	0.00	\$31.83	\$191	\$191	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Janitors receptacle power circuit, 50amp					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	50amp N5-50 receptacle	6	EA	0.727	elec	\$80.62	69.30	0.00	0.00	\$162.74	\$976	\$976	\$0	\$0	\$0	\$0
26 00 00	50amp N5-50 receptacle box and WP cover	6	EA	0.623	elec	\$80.62	19.20	0.00	0.00	\$91.99	\$552	\$552	\$0	\$0	\$0	\$0
26 00 00	12" X 12" X 6" N1 Srew cover pull box	3	EA	1.600	elec	\$80.62	28.09	0.00	0.00	\$211.19	\$634	\$634	\$0	\$0	\$0	\$0
26 00 00	50a, 3ph, 4w feeder EMT conduit	180	LF	0.212	elec	\$80.62	4.38	0.00	0.00	\$28.76	\$5,177	\$5,177	\$0	\$0	\$0	\$0
26 00 00	240V Switch box	6	EA	0.502	elec	\$80.62	17.01	0.00	0.00	\$75.94	\$456	\$456	\$0	\$0	\$0	\$0
26 00 00	SPST switch 1 gang 277V rated	6	EA	0.296	elec	\$80.62	19.20	0.00	0.00	\$55.61	\$334	\$334	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Exam Room Procedure Light or connections Not Shown					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Procedure Light 120V,1phase	1	EA	1.000	elec	\$80.62	2,357.00	0.00	0.00	\$2,895.17	\$2,895	\$2,895	\$0	\$0	\$0	\$0
26 00 00	Junction Box @ Procedure Light 120V,1phase	1	EA	0.502	elec	\$80.62	16.78	0.00	0.00	\$75.67	\$76	\$76	\$0	\$0	\$0	\$0
26 00 00	Unistrut supports	4	EA	1.556	elec	\$80.62	43.35	0.00	0.00	\$224.32	\$897	\$897	\$0	\$0	\$0	\$0
26 00 00	3/4" Flex w/ 3) #12 ,1) #12 Cu	3	LF	0.101	elec	\$80.62	2.46	0.00	0.00	\$14.13	\$42	\$42	\$0	\$0	\$0	\$0
26 00 00	3/4" flex connectors	1	EA	0.160	elec	\$80.62	6.55	0.00	0.00	\$25.54	\$26	\$26	\$0	\$0	\$0	\$0
26 00 00	3/4" flex connectors 90 degree	1	EA	0.160	elec	\$80.62	7.60	0.00	0.00	\$26.78	\$27	\$27	\$0	\$0	\$0	\$0
26 00 00	3/4" EMT 3) #12 CU	40	LF	0.084	elec	\$80.62	1.29	0.00	0.00	\$10.85	\$434	\$434	\$0	\$0	\$0	\$0
26 00 00	3/4" EMT connectors	2	EA	0.073	elec	\$80.62	4.05	0.00	0.00	\$12.91	\$26	\$26	\$0	\$0	\$0	\$0
26 00 00	3/4" EMT straps	5	EA	0.018	elec	\$80.62	0.21	0.00	0.00	\$2.25	\$11	\$11	\$0	\$0	\$0	\$0
26 00 00	3/4" conduit wall penetration /seal	1	EA	0.220	elec	\$80.62	1.50	0.00	0.00	\$26.25	\$26	\$26	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Dental Exam Room, Dental Chair power Not Shown					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
26 00 00	Dental Chair connection: 20a, 120v, 1PH motor rated switch	1	EA	2.581	elec	\$80.62	395.00	0.00	0.00	\$753.70	\$754	\$754	\$0	\$0	\$0	\$0
26 00 00	3/4" Flex w/ 3) #12 ,1) #12 Cu	3	LF	0.101	elec	\$80.62	2.46	0.00	0.00	\$14.13	\$42	\$42	\$0	\$0	\$0	\$0
26 00 00	3/4" flex connectors	1	EA	0.160	elec	\$80.62	6.55	0.00	0.00	\$25.54	\$26	\$26	\$0	\$0	\$0	\$0
26 00 00	3/4" flex connectors 90 degree	1	EA	0.160	elec	\$80.62	7.60	0.00	0.00	\$26.78	\$27	\$27	\$0	\$0	\$0	\$0
26 00 00	3/4" Sch 40 PVC w/ 4#10 CU	10	LF	0.095	elec	\$80.62	1.19	0.00	0.00	\$11.97	\$120	\$120	\$0	\$0	\$0	\$0
26 00 00	3/4" PVC coated GRC 90 degree elbow	2	EA	0.200	elec	\$80.62	0.00	0.00	0.00	\$22.25	\$45	\$45	\$0	\$0	\$0	\$0
26 00 00	3/4" PVC female adapter	2	EA	0.333	elec	\$80.62	15.25	0.00	0.00	\$55.06	\$110	\$110	\$0	\$0	\$0	\$0
26 00 00	3/4" EMT 3) #10 CU	40	LF	0.084	elec	\$80.62	1.29	0.00	2.55	\$13.43	\$537	\$537	\$0	\$0	\$0	\$0
26 00 00	3/4" EMT connectors	2	EA	0.073	elec	\$80.62	4.05	0.00	65.00	\$78.56	\$157	\$157	\$0	\$0	\$0	\$0
26 00 00	3/4" EMT straps	5	EA	0.018	elec	\$80.62	0.21	0.00	0.00	\$2.25	\$11	\$11	\$0	\$0	\$0	\$0
26 00 00	Fire penetration seals	1	EA	0.190	elec	\$80.62	0.49	0.00	0.00	\$21.72	\$22	\$22	\$0	\$0	\$0	\$0
26 00 00	Branch power trench 18" X 36"	10	LF	0.018	elec	\$80.62	0.00	0.00	2.55	\$4.58	\$46	\$46	\$0	\$0	\$0	\$0
26 00 00	Backfill/compaction	2	CY	0.022	r3	\$83.76	0.00	0.00	65.00	\$68.19	\$136	\$136	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Toilet/ Shower Solenoid equipment connections					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Junction Boxes @ contol location 120V	27	EA	0.502	elec	\$80.62	16.78	0.00	0.00	\$75.67	\$2,043	\$2,043	\$0	\$0	\$0	\$0
26 00 00	Contol location, 20a, 120v, 1PH,motor rated switch	27	EA	1.556	elec	\$80.62	43.35	0.00	0.00	\$224.32	\$6,057	\$6,057	\$0	\$0	\$0	\$0
26 00 00	Control Location, 20a, 120v, 1PH,motor motor connection	27	EA	0.367	elec	\$80.62	22.35	0.00	0.00	\$67.23	\$1,815	\$1,815	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	HVAC and Equipment Connections Roof					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	SAC-1, 20a, 120v, 1PH,motor rated switch	1	EA	1.556	elec	\$80.62	43.35	0.00	0.00	\$224.32	\$224	\$224	\$0	\$0	\$0	\$0
26 00 00	SAC-1, 20a, 120v, 1PH,motor motor connection	1	EA	0.367	elec	\$80.62	22.35	0.00	0.00	\$67.23	\$67	\$67	\$0	\$0	\$0	\$0
26 00 00	SC: 20a, 208v, 1PH fused disconnect switch N3R	0	EA	2.100	elec	\$80.62	129.69	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	SC: 20amp connections	0	EA	0.367	elec	\$80.62	23.46	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	IEF-1: 30a, 208v, 3PH fused disconnect switch N3R	1	EA	2.581	elec	\$80.62	395.00	0.00	0.00	\$753.70	\$754	\$754	\$0	\$0	\$0	\$0
26 00 00	IEF-1: 30amp connections	1	EA	1.778	elec	\$80.62	23.46	0.00	0.00	\$225.53	\$226	\$226	\$0	\$0	\$0	\$0
26 00 00	AC-1: 30a, 208v, 3PH fused disconnect switch N3R	1	EA	2.581	elec	\$80.62	395.00	0.00	0.00	\$753.70	\$754	\$754	\$0	\$0	\$0	\$0
26 00 00	AC-1: 30amp connections	1	EA	1.778	elec	\$80.62	23.46	0.00	0.00	\$225.53	\$226	\$226	\$0	\$0	\$0	\$0
26 00 00	SCU1: 30a, 208v, 1PH fused disconnect switch N3R	1	EA	2.581	elec	\$80.62	254.17	0.00	0.00	\$587.37	\$587	\$587	\$0	\$0	\$0	\$0
26 00 00	SCU1: 30amp connections	1	EA	1.560	elec	\$80.62	21.60	0.00	0.00	\$199.08	\$199	\$199	\$0	\$0	\$0	\$0
26 00 00	AC 2-6: 60amp,480V, 3PH fused disconnect switch N3R	5	EA	3.636	elec	\$80.62	465.00	0.00	0.00	\$953.76	\$4,769	\$4,769	\$0	\$0	\$0	\$0
26 00 00	AC 2-6: 60amp connection	5	EA	0.367	elec	\$80.62	25.10	0.00	0.00	\$70.48	\$352	\$352	\$0	\$0	\$0	\$0
26 00 00	UH-1: 100amp,480V, 3PH fused disconnect switch N3R	1	EA	4.440	elec	\$80.62	565.00	0.00	0.00	\$1,161.33	\$1,161	\$1,161	\$0	\$0	\$0	\$0
26 00 00	UH-1: 100amp connection	1	EA	1.220	elec	\$80.62	13.96	0.00	0.00	\$152.22	\$152	\$152	\$0	\$0	\$0	\$0
26 00 00	AC 7: 200amp,480V, 3PH fused disconnect switch N3R	1	EA	6.667	elec	\$80.62	775.00	0.00	0.00	\$1,657.14	\$1,657	\$1,657	\$0	\$0	\$0	\$0
26 00 00	AC7: 200amp connection	1	EA	1.550	elec	\$80.62	25.10	0.00	0.00	\$202.10	\$202	\$202	\$0	\$0	\$0	\$0
26 00 00	EF's 1-10, 20a, 120v, 1PH,motor rated switch WP	10	EA	1.556	elec	\$80.62	43.35	0.00	0.00	\$224.32	\$2,243	\$2,243	\$0	\$0	\$0	\$0
26 00 00	EF's 1-10, 20a, 120v, 1PH,motor connection seal tite	10	EA	0.367	elec	\$80.62	22.35	0.00	0.00	\$67.23	\$672	\$672	\$0	\$0	\$0	\$0
26 00 00	CEF- 1,20a, 120v, 1PH,motor rated switch WP	1	EA	1.556	elec	\$80.62	43.35	0.00	0.00	\$224.32	\$224	\$224	\$0	\$0	\$0	\$0
26 00 00	EF-7, 20a, 120v, 1PH,motor connection seal tite	1	EA	0.367	elec	\$80.62	22.35	0.00	0.00	\$67.23	\$67	\$67	\$0	\$0	\$0	\$0
26 00 00	WP Junction Boxes @ EF's 120V.	1	EA	0.502	elec	\$80.62	16.78	0.00	0.00	\$75.67	\$76	\$76	\$0	\$0	\$0	\$0
26 00 00	SC VRF Branch Controller: 20a, 208v, 1PH fused disconnect switch N3R	0	EA	2.100	elec	\$80.62	129.69	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	SC: 20amp connections	0	EA	0.367	elec	\$80.62	23.46	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	VRF 1-10: 20a, 208v, 1PH fused disconnect switch N3R	0	EA	2.100	elec	\$80.62	129.69	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	VRF 1-10: 20amp connections	0	EA	0.367	elec	\$80.62	23.46	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	WP Junction Boxes @ FSD's 120V.	0	EA	0.502	elec	\$80.62	16.78	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	FSD: 20a, 120v, 1PH,motor motor connection seal tite	8	EA	0.367	elec	\$80.62	22.35	0.00	0.00	\$67.23	\$538	\$538	\$0	\$0	\$0	\$0
26 00 00	Junction Boxes @ VRF's	0	EA	0.502	elec	\$80.62	16.78	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Fire Sprinkler Compressor power Assumed non shown					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Fire Sprinkler PractionAir Compressor, 20a, 120v, 1PH,motor rated switch	1	EA	1.556	elec	\$80.62	43.35	0.00	0.00	\$224.32	\$224	\$224	\$0	\$0	\$0	\$0
26 00 00	Fire Sprinkler PractionAir Compressor, 120v, 1PH,motor motor connection	1	EA	0.367	elec	\$80.62	22.35	0.00	0.00	\$67.23	\$67	\$67	\$0	\$0	\$0	\$0
26 00 00	Misc supports	1	LS	1.740	elec	\$80.62	510.00	0.00	0.00	\$795.95	\$796	\$796	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	VAV equipment connections					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	4S box,barhanger , blank cover	21	EA	0.676	elec	\$80.62	14.74	0.00	0.00	\$92.62	\$1,945	\$1,945	\$0	\$0	\$0	\$0
26 00 00	3/4" Flex w/ 3) #12 ,1) #12 Cu	63	LF	0.101	elec	\$80.62	2.46	0.00	0.00	\$14.13	\$890	\$890	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
26 00 00	3/4" flex connectors	21	EA	0.160	elec	\$80.62	6.55	0.00	0.00	\$25.54	\$536	\$536	\$0	\$0	\$0	\$0
26 00 00	3/4" flex connectors 90 degree	21	EA	0.160	elec	\$80.62	7.60	0.00	0.00	\$26.78	\$562	\$562	\$0	\$0	\$0	\$0
26 00 00	3/4" EMT 3) #12 CU	630	LF	0.084	elec	\$80.62	1.29	0.00	0.00	\$10.85	\$6,837	\$6,837	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	EF's, 4, 5 / equipment connections					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Junction Boxes @ EF's 120V.,3phase	0	EA	0.502	elec	\$80.62	16.78	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	EF's 4, 5, 20a, 120v, 1PH,motor rated switch WP	0	EA	1.556	elec	\$80.62	43.35	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	EF's 4, 5, 20a, 120v, 1PH,motor motor connection and VFD seal title	0	EA	0.367	elec	\$80.62	22.35	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	EF's, 20a, 120v, 1PH,motor rated switch	0	EA	1.556	elec	\$80.62	43.35	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	EF's, 20a, 120v, 1PH,motor motor connection	0	EA	0.367	elec	\$80.62	22.35	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Plumbing equipment connections:(None identified on Plumbing Drawings or electrical drawings)					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	GWH-1,2: 20a, 120v, 1PH,motor rated switch WP	1	EA	1.556	elec	\$80.62	43.35	0.00	0.00	\$224.32	\$224	\$224	\$0	\$0	\$0	\$0
26 00 00	GWH-1,2: 20a, 120v, 1PH,motor motor connection seal title	2	EA	0.367	elec	\$80.62	22.35	0.00	0.00	\$67.23	\$134	\$134	\$0	\$0	\$0	\$0
26 00 00	DWH 1,2 Water heater: 30a, 208v, 1PH fused disconnect switch N3R	0	EA	2.581	elec	\$80.62	395.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	DWH 1,2 Water Heater: N3R 30amp connections	0	EA	1.778	elec	\$80.62	23.46	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Junction Boxes @Sump pump 120V.,3phase	0	EA	0.502	elec	\$80.62	16.78	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	DCP, 20a, 120v, 1PH,motor rated switch Circulation pump	1	EA	1.556	elec	\$80.62	43.35	0.00	0.00	\$224.32	\$224	\$224	\$0	\$0	\$0	\$0
26 00 00	DCP, 20a, 120v, 1PH,motor motor connection Circulation pump	1	EA	0.367	elec	\$80.62	22.35	0.00	0.00	\$67.23	\$67	\$67	\$0	\$0	\$0	\$0
26 00 00	RW-1 7.5HP motor connections: 30a, 208v, 1PH fused disconnect switch N3R	0	EA	2.581	elec	\$80.62	395.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	RW-1 7.5HP motor connections: N3R 30amp connections	0	EA	1.778	elec	\$80.62	23.46	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	RW1, 20a, 120v, 1PH,motor rated switch	0	EA	1.556	elec	\$80.62	43.35	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	RW1, 20a, 120v, 1PH,motor motor connection	0	EA	0.367	elec	\$80.62	22.35	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Plumbing Controller, 20a, 120v, 1PH,motor rated switch	2	EA	1.556	elec	\$80.62	43.35	0.00	0.00	\$224.32	\$449	\$449	\$0	\$0	\$0	\$0
26 00 00	Plumbing Controller, 20a, 120v, 1PH,motor motor connection	2	EA	0.367	elec	\$80.62	22.35	0.00	0.00	\$67.23	\$134	\$134	\$0	\$0	\$0	\$0
26 00 00	Exhaust Fan j box Control panel	2	EA	0.700	elec	\$80.62	165.10	0.00	0.00	\$272.89	\$546	\$546	\$0	\$0	\$0	\$0
26 00 00	Misc supports	1	LS	1.550	elec	\$80.62	261.50	0.00	0.00	\$481.32	\$481	\$481	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	HVAC and Equipment penetration, seals roof Jacks					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Roof Jack/ sleeve	4	EA	0.667	elec	\$80.62	185.70	0.00	0.00	\$293.54	\$1,174	\$1,174	\$0	\$0	\$0	\$0
26 00 00	Link Seal penetration closures per detail	4	EA	0.727	elec	\$80.62	133.00	0.00	0.00	\$237.98	\$952	\$952	\$0	\$0	\$0	\$0
26 00 00	1" cores	4	EA	0.941	elec	\$80.62	0.18	0.00	0.00	\$104.91	\$420	\$420	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Mechanical Distribution Feeders to Equipment					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	20a, 1ph, 3w feeder, EMT conduit	2,670	LF	0.088	elec	\$80.62	1.44	0.00	0.00	\$11.45	\$30,567	\$30,567	\$0	\$0	\$0	\$0
26 00 00	20a, 1ph, 4w feeder, EMT conduit	510	LF	0.091	elec	\$80.62	2.04	0.00	0.00	\$12.54	\$6,397	\$6,397	\$0	\$0	\$0	\$0
26 00 00	20a, 1ph, 6w feeder, EMT conduit	900	LF	0.114	elec	\$80.62	2.58	0.00	0.00	\$15.75	\$14,178	\$14,178	\$0	\$0	\$0	\$0
26 00 00	30a, 1ph, 3w feeder, EMT conduit	40	LF	0.101	elec	\$80.62	1.71	0.00	0.00	\$13.29	\$532	\$532	\$0	\$0	\$0	\$0
26 00 00	30a, 3ph, 4w feeder, EMT conduit	60	LF	0.113	elec	\$80.62	2.43	0.00	0.00	\$15.39	\$924	\$924	\$0	\$0	\$0	\$0
26 00 00	60a, 3ph, 4w feeder EMT conduit	260	LF	0.212	elec	\$80.62	4.38	0.00	0.00	\$28.76	\$7,478	\$7,478	\$0	\$0	\$0	\$0
26 00 00	100a, 3ph, 4w feeder EMT conduit	30	LF	0.217	elec	\$80.62	17.15	0.00	0.00	\$44.40	\$1,332	\$1,332	\$0	\$0	\$0	\$0
26 00 00	200a, 3ph, 4w feeder EMT conduit	50	LF	0.323	elec	\$80.62	32.97	0.00	0.00	\$74.88	\$3,744	\$3,744	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Plumbing and Exhaust Fan Circuiting not shown					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Plumbing valve Security LV Interface Branch ckts OH	720	LF	0.016	elec	\$80.62	0.30	0.00	0.00	\$2.13	\$1,537	\$1,537	\$0	\$0	\$0	\$0
26 00 00	Exhaust Fan Security LV Interface Branch ckts OH	220	LF	0.016	elec	\$80.62	0.30	0.00	0.00	\$2.13	\$470	\$470	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	POWER DISTRIBUTION / RECEPTACLES		AMPS							\$11.81	\$244,995	\$244,995	\$0	\$0	\$0	\$0
26 00 00	BUILDING POWER FEEDERS															
26 00 00	Allowance for building	0	GSF			\$0.00	0.00	0.00	16.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Add for area under catwalk, Rec yard, tunnel	0	GSF			\$0.00	0.00	0.00	9.50	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	MH UNIT / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
26 00 00	Building Panel Feeders				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
	100 amp Underground to branch Electric Room X2 to Electric Rooms														
26 00 00	X4,X5 and SEC/ELEC/DATA Room 120				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	2" Sch 40 PVC w/ 4) #1, 1) #8 CU	290 LF	0.179 elec		\$80.62	12.55	0.00	0.00	\$34.73	\$10,072	\$10,072	\$0	\$0	\$0	\$0
26 00 00	2" PVC coated GRC w/ 4) #1, 1) #8 CU	15 LF	0.319 elec		\$80.62	27.46	0.00	0.00	\$67.92	\$1,019	\$1,019	\$0	\$0	\$0	\$0
26 00 00	2" PVC field bend	2 EA	0.400 elec		\$80.62	0.00	0.00	0.00	\$44.50	\$89	\$89	\$0	\$0	\$0	\$0
26 00 00	2" PVC 90 degree elbow	3 EA	0.500 elec		\$80.62	4.22	0.00	0.00	\$60.61	\$182	\$182	\$0	\$0	\$0	\$0
26 00 00	2" PVC coated GRC 90 degree elbow	6 EA	1.000 elec		\$80.62	37.00	0.00	0.00	\$154.96	\$930	\$930	\$0	\$0	\$0	\$0
26 00 00	2" PVC female adapter	6 EA	0.296 elec		\$80.62	1.44	0.00	0.00	\$34.63	\$208	\$208	\$0	\$0	\$0	\$0
26 00 00	Base spacers	35 EA	0.308 elec		\$80.62	2.04	0.00	0.00	\$36.68	\$1,284	\$1,284	\$0	\$0	\$0	\$0
26 00 00					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	225 amp Underground to branch Electric Room X2 to Electric Rooms														
26 00 00	X4,X5 and SEC/ELEC/DATA Room 120				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	1) 3" Sch 40 PVC w/ 4) #4/0, 1) #4 CU	280 LF	0.292 elec		\$80.62	28.26	0.00	0.00	\$65.86	\$18,441	\$18,441	\$0	\$0	\$0	\$0
26 00 00	1) 3" Sch 40 PVC coated GRC w/ 4) #4/0, 1) #4 CU	15 LF	0.511 elec		\$80.62	56.21	0.00	0.00	\$123.24	\$1,849	\$1,849	\$0	\$0	\$0	\$0
26 00 00	3" PVC field bend	2 EA	0.615 elec		\$80.62	0.00	0.00	0.00	\$68.42	\$137	\$137	\$0	\$0	\$0	\$0
26 00 00	3" sch 40 PVC bell end	3 EA	0.400 elec		\$80.62	13.20	0.00	0.00	\$60.09	\$180	\$180	\$0	\$0	\$0	\$0
26 00 00	3" PVC coated GRC 90 degree elbow	6 EA	1.905 elec		\$80.62	132.00	0.00	0.00	\$367.86	\$2,207	\$2,207	\$0	\$0	\$0	\$0
26 00 00	3" PVC female adapter	6 EA	0.444 elec		\$80.62	3.50	0.00	0.00	\$53.53	\$321	\$321	\$0	\$0	\$0	\$0
26 00 00	Base spacers	35 EA	0.308 elec		\$80.62	2.04	0.00	0.00	\$36.68	\$1,284	\$1,284	\$0	\$0	\$0	\$0
26 00 00					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Joint Trench Excavation for 100, 225 amp branch electric rooms				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	18" X 48" excavation trench	220 LF	0.018 elec		\$80.62	0.00	0.00	6.55	\$8.62	\$1,896	\$1,896	\$0	\$0	\$0	\$0
26 00 00	Sand Bedding	6 CY	0.008 r3		\$83.76	32.80	0.00	95.00	\$135.62	\$814	\$814	\$0	\$0	\$0	\$0
26 00 00	Backfill compaction	43 CY	0.022 r3		\$83.76	0.00	65.00	0.00	\$79.32	\$3,411	\$3,411	\$0	\$0	\$0	\$0
26 00 00	Haul of to onsite spoils location	6 CY	0.008 R3		\$83.76	0.00	0.00	0.00	\$0.92	\$6	\$6	\$0	\$0	\$0	\$0
26 00 00					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Building Panel Feeders				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
	100 amp EM feeders : Lighting Inverter to Lighting Control Panel "LCP"														
26 00 00	via 100 amp EM panel:				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	2" Sch 40 PVC w/ 4) #1, 1) #8 CU	40 LF	0.179 elec		\$80.62	12.55	0.00	0.00	\$34.73	\$1,389	\$1,389	\$0	\$0	\$0	\$0
26 00 00	2" PVC coated GRC w/ 4) #1, 1) #8 CU	10 LF	0.319 elec		\$80.62	27.46	0.00	0.00	\$67.92	\$679	\$679	\$0	\$0	\$0	\$0
26 00 00	2" PVC 90 degree elbow	2 EA	0.500 elec		\$80.62	4.22	0.00	0.00	\$60.61	\$121	\$121	\$0	\$0	\$0	\$0
26 00 00	2" PVC coated GRC 90 degree elbow	3 EA	1.000 elec		\$80.62	37.00	0.00	0.00	\$154.96	\$465	\$465	\$0	\$0	\$0	\$0
26 00 00	2" PVC female adapter	3 EA	0.296 elec		\$80.62	1.44	0.00	0.00	\$34.63	\$104	\$104	\$0	\$0	\$0	\$0
26 00 00	Base spacers	10 EA	0.308 elec		\$80.62	2.04	0.00	0.00	\$36.68	\$367	\$367	\$0	\$0	\$0	\$0
26 00 00	18" X 48" excavation trench	10 LF	0.018 elec		\$80.62	0.00	0.00	6.55	\$8.62	\$86	\$86	\$0	\$0	\$0	\$0
26 00 00	Sand Bedding	1 CY	0.008 r3		\$83.76	32.80	0.00	95.00	\$135.62	\$68	\$68	\$0	\$0	\$0	\$0
26 00 00	Backfill compaction	1 CY	0.022 r3		\$83.76	0.00	65.00	0.00	\$79.32	\$95	\$95	\$0	\$0	\$0	\$0
26 00 00	Haul of to onsite spoils location	1 CY	0.008 R3		\$83.76	0.00	0.00	0.00	\$0.92	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	100 amp EM feeders : Distribution Board ELS to 3) 100 amp EM panels@														
26 00 00	Electric Room X2 (partial joint trench)				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	2" Sch 40 PVC w/ 4) #1, 1) #8 CU	60 LF	0.179 elec		\$80.62	12.55	0.00	0.00	\$34.73	\$2,084	\$2,084	\$0	\$0	\$0	\$0
26 00 00	2" PVC coated GRC w/ 4) #1, 1) #8 CU	15 LF	0.319 elec		\$80.62	27.46	0.00	0.00	\$67.92	\$1,019	\$1,019	\$0	\$0	\$0	\$0
26 00 00	2" PVC 90 degree elbow	2 EA	0.500 elec		\$80.62	4.22	0.00	0.00	\$60.61	\$121	\$121	\$0	\$0	\$0	\$0
26 00 00	2" PVC coated GRC 90 degree elbow	6 EA	1.000 elec		\$80.62	37.00	0.00	0.00	\$154.96	\$930	\$930	\$0	\$0	\$0	\$0
26 00 00	2" PVC female adapter	6 EA	0.296 elec		\$80.62	1.44	0.00	0.00	\$34.63	\$208	\$208	\$0	\$0	\$0	\$0
26 00 00	Base spacers	15 EA	0.308 elec		\$80.62	2.04	0.00	0.00	\$36.68	\$550	\$550	\$0	\$0	\$0	\$0
26 00 00	18" X 48" excavation trench	30 LF	0.018 elec		\$80.62	0.00	0.00	6.55	\$8.62	\$259	\$259	\$0	\$0	\$0	\$0
26 00 00	Sand Bedding	1 CY	0.008 r3		\$83.76	32.80	0.00	95.00	\$135.62	\$136	\$136	\$0	\$0	\$0	\$0
26 00 00	Backfill compaction	6 CY	0.022 r3		\$83.76	0.00	65.00	0.00	\$79.32	\$476	\$476	\$0	\$0	\$0	\$0
26 00 00	Haul of to onsite spoils location	1 CY	0.008 R3		\$83.76	0.00	0.00	0.00	\$0.92	\$1	\$1	\$0	\$0	\$0	\$0
26 00 00					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	400 amp EM feeders : Distribution Board ELS to 3) 100 amp EM panels@														
26 00 00	Electric Room X2				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
26 00 00	2) 2 1/2" Sch 40 PVC w/ 4) #3/0, 1) #2 CU	10	LF	0.550 elec		\$80.62	47.10	0.00	0.00	\$116.82	\$1,168	\$1,168	\$0	\$0	\$0	\$0
26 00 00	2) 2 1/2" PVC coated GRC w/ 4) #3/0, 1) #2 CU	5	LF	0.335 elec		\$80.62	68.90	0.00	0.00	\$118.60	\$593	\$593	\$0	\$0	\$0	\$0
26 00 00	2 1/2" PVC 90 degree elbow	1	EA	0.727 elec		\$80.62	7.60	0.00	0.00	\$89.86	\$90	\$90	\$0	\$0	\$0	\$0
26 00 00	2 1/2" PVC coated GRC 90 degree elbow	2	EA	1.333 elec		\$80.62	80.00	0.00	0.00	\$242.80	\$486	\$486	\$0	\$0	\$0	\$0
26 00 00	2 1/2" PVC female adapter	2	EA	0.348 elec		\$80.62	2.52	0.00	6.55	\$48.31	\$97	\$97	\$0	\$0	\$0	\$0
26 00 00	18" X 48" excavation trench	10	LF	0.018 elec		\$80.62	0.00	0.00	6.55	\$8.62	\$86	\$86	\$0	\$0	\$0	\$0
26 00 00	Sand Bedding	1	CY	0.008 r3		\$83.76	32.80	0.00	95.00	\$135.62	\$68	\$68	\$0	\$0	\$0	\$0
26 00 00	Backfill compaction	1	CY	0.022 r3		\$83.76	0.00	65.00	0.00	\$79.32	\$95	\$95	\$0	\$0	\$0	\$0
26 00 00	Haul of to onsite spoils location	1	CY	0.008 R3		\$83.76	0.00	0.00	0.00	\$0.92	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00																
26 00 00	BUILDING POWER FEEDERS		LF							\$2.71	\$56,169	\$56,169	\$0	\$0	\$0	\$0
26 50 00	LIGHTING & LIGHTING DISTRIBUTION															
26 50 00	<i>Light Fixtures & Control</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	Building		GSF			\$0.00	0.00	0.00	18.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	Add for area under catwalk, Rec yard, tunnel		GSF			\$0.00	0.00	0.00	6.50	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	<i>Lighting Control Panel</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	Building Lighting Control and Low Voltage Devices not shown	0	LS	0.000 elec		\$80.62	0.00	#####	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	40 KVA ,208V Lighting Inverter, with battery cabinet	1	EA	100.000 elec		\$80.62	37,500.00	0.00	0.00	\$55,418.11	\$55,418	\$55,418	\$0	\$0	\$0	\$0
26 50 00	Lighting Control Panel "LCP" Wattstopper LMCPLI24 ,24 relay panel	1	EA	22.000 elec		\$80.62	2,996.40	0.00	0.00	\$5,986.83	\$5,987	\$5,987	\$0	\$0	\$0	\$0
26 50 00	3/4" EMT 3) #20 CU	50	LF	0.077 elec		\$80.62	1.10	0.00	0.00	\$9.87	\$493	\$493	\$0	\$0	\$0	\$0
26 50 00	3/4" EMT connectors	2	EA	0.073 elec		\$80.62	4.05	0.00	0.00	\$12.91	\$26	\$26	\$0	\$0	\$0	\$0
26 50 00	3/4" EMT straps	8	EA	0.018 elec		\$80.62	0.21	0.00	0.00	\$2.25	\$18	\$18	\$0	\$0	\$0	\$0
26 50 00	3/4" conduit wall penetration /seal	1	EA	1.180 elec		\$80.62	92.00	0.00	0.00	\$239.95	\$240	\$240	\$0	\$0	\$0	\$0
26 50 00	1" EMT w/ CAT 5E cable	50	LF	0.071 elec		\$80.62	1.74	0.00	0.00	\$9.95	\$498	\$498	\$0	\$0	\$0	\$0
26 50 00	RJ45 connectors	2	EA	0.100 elec		\$80.62	1.32	0.00	0.00	\$12.69	\$25	\$25	\$0	\$0	\$0	\$0
26 50 00	1" EMTw/ 8 pair shielded PVC jacket cable		LF	0.094 elec		\$80.62	2.13	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	1" EMT connector		EA	0.089 elec		\$80.62	6.80	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	<i>Low VoltageLighting Control Devices</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	ELCU-100 Emergency lighting control unit	12	EA	1.143 elec		\$80.62	99.45	0.00	0.00	\$244.63	\$2,936	\$2,936	\$0	\$0	\$0	\$0
26 50 00	LMRC-100 Room on/off occupancy sensor	22	EA	1.143 elec		\$80.62	190.11	0.00	0.00	\$351.71	\$7,738	\$7,738	\$0	\$0	\$0	\$0
26 50 00	DT-305 Ceiling Dual tech. occupancy sensor	5	EA	1.143 elec		\$80.62	117.40	0.00	0.00	\$265.83	\$1,329	\$1,329	\$0	\$0	\$0	\$0
26 50 00	LMDX-100 Ceiling Dual tech. Corner mount occupancy sensor	7	EA	1.143 elec		\$80.62	211.21	0.00	0.00	\$376.63	\$2,636	\$2,636	\$0	\$0	\$0	\$0
26 50 00	LMRC-213 dimming relay power pack	10	EA	0.800 elec		\$80.62	422.99	0.00	0.00	\$588.61	\$5,886	\$5,886	\$0	\$0	\$0	\$0
26 50 00	LS-301 Dimming daylight sensor	4	EA	1.143 elec		\$80.62	147.02	0.00	0.00	\$300.82	\$1,203	\$1,203	\$0	\$0	\$0	\$0
26 50 00	LMBC 300 Network bridge	12	EA	0.800 elec		\$80.62	159.09	0.00	0.00	\$276.91	\$3,323	\$3,323	\$0	\$0	\$0	\$0
26 50 00	LMDX-100 Dual Technology corner mount occupancy sensor	5	EA	1.143 elec		\$80.62	305.00	0.00	0.00	\$487.41	\$2,437	\$2,437	\$0	\$0	\$0	\$0
26 50 00	NPODM LV Dimmer	10	EA	0.296 elec		\$80.62	74.50	0.00	0.00	\$120.93	\$1,209	\$1,209	\$0	\$0	\$0	\$0
26 50 00	LMRJ-S8 Splitter	12	EA	0.300 elec		\$80.62	22.41	0.00	0.00	\$59.85	\$718	\$718	\$0	\$0	\$0	\$0
26 50 00	Commission & testing	1	LS	40.000 elec		\$80.62	2,800.00	0.00	0.00	\$7,757.52	\$7,758	\$7,758	\$0	\$0	\$0	\$0
26 50 00	4S box,barhanger ,round ring	21	EA	0.776 elec		\$80.62	18.49	0.00	0.00	\$108.18	\$2,272	\$2,272	\$0	\$0	\$0	\$0
26 50 00	4S box,barhanger , blank cover	46	EA	0.676 elec		\$80.62	14.74	0.00	0.00	\$92.62	\$4,261	\$4,261	\$0	\$0	\$0	\$0
26 50 00	4S box,barhanger ,1 gang ring	32	EA	0.776 elec		\$80.62	18.49	0.00	0.00	\$108.18	\$3,462	\$3,462	\$0	\$0	\$0	\$0
26 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	<i>Low Voltage Lighting Control Circuiting</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	1" EMT w/ CAT 5E cable	3,960	LF	0.071 elec		\$80.62	1.74	0.00	0.00	\$9.95	\$39,420	\$39,420	\$0	\$0	\$0	\$0
26 50 00	1" EMT connectors	198	EA	0.089 elec		\$80.62	6.80	0.00	0.00	\$17.93	\$3,551	\$3,551	\$0	\$0	\$0	\$0
26 50 00	1" EMT straps	495	EA	0.018 elec		\$80.62	0.21	0.00	0.00	\$2.25	\$1,114	\$1,114	\$0	\$0	\$0	\$0
26 50 00	RJ45 connectors	198	EA	0.100 elec		\$80.62	1.32	0.00	0.00	\$12.69	\$2,512	\$2,512	\$0	\$0	\$0	\$0
26 50 00	3/4",1" conduit wall penetration /seal	99	EA	0.250 elec		\$80.62	3.40	0.00	0.00	\$31.83	\$3,151	\$3,151	\$0	\$0	\$0	\$0
26 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	<i>Light Fixtures and Branch Lighting Circuiting</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	Type A: 1 X 4 , LED, Dimmable surface hard lid max security	48	EA	1.500 elec		\$80.62	840.00	0.00	0.00	\$1,159.03	\$55,634	\$55,634	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
26 50 00	Type A1: 1 X 4 , LED, surface hard lid max security	6	EA	1.481	elec	\$80.62	792.00	0.00	0.00	\$1,100.23	\$6,601	\$6,601	\$0	\$0	\$0	\$0
26 50 00	Type A2: 1 X 4 , LED, surface hard lid max security	17	EA	1.481	elec	\$80.62	792.00	0.00	0.00	\$1,100.23	\$18,704	\$18,704	\$0	\$0	\$0	\$0
26 50 00	Type A3: 1 X 4 , LED, surface hard lid max security	27	EA	1.481	elec	\$80.62	792.00	0.00	0.00	\$1,100.23	\$29,706	\$29,706	\$0	\$0	\$0	\$0
26 50 00	Type A4: 1 X 2 , LED, surface hard lid max security	10	EA	1.200	elec	\$80.62	396.00	0.00	0.00	\$601.24	\$6,012	\$6,012	\$0	\$0	\$0	\$0
26 50 00	Type B: 2 X 4 , LED, surface hard lid max security	9	EA	1.850	elec	\$80.62	815.00	0.00	0.00	\$1,168.45	\$10,516	\$10,516	\$0	\$0	\$0	\$0
26 50 00	Type C: 2 X 4 , LED, recessed hard lid max security	14	EA	1.850	elec	\$80.62	710.00	0.00	0.00	\$1,044.43	\$14,622	\$14,622	\$0	\$0	\$0	\$0
26 50 00	Type C1: 2 X 4 , LED, recessed grid max security	54	EA	2.100	elec	\$80.62	710.00	0.00	0.00	\$1,072.24	\$57,901	\$57,901	\$0	\$0	\$0	\$0
26 50 00	Type C2: 2 X 4 , LED, recessed grid max security	25	EA	2.100	elec	\$80.62	710.00	0.00	0.00	\$1,072.24	\$26,806	\$26,806	\$0	\$0	\$0	\$0
26 50 00	Type D: 1 X 1 , LED, surface wet location max security	6	EA	1.200	elec	\$80.62	396.00	0.00	0.00	\$601.24	\$3,607	\$3,607	\$0	\$0	\$0	\$0
26 50 00	Type E: 15" LED ,surface wall, round, high abuse	6	EA	1.000	elec	\$80.62	815.00	0.00	0.00	\$1,073.88	\$6,443	\$6,443	\$0	\$0	\$0	\$0
26 50 00	Type F : 2 X4 , LED, recessed t-bar fixture	10	EA	1.702	elec	\$80.62	325.00	0.00	0.00	\$573.23	\$5,732	\$5,732	\$0	\$0	\$0	\$0
26 50 00	Type F1 : 2 X4 , LED, recessed t-bar fixture	10	EA	1.702	elec	\$80.62	325.00	0.00	0.00	\$573.23	\$5,732	\$5,732	\$0	\$0	\$0	\$0
26 50 00	Type G :2 X4 surface ceiling mount, LED,43w, hard lid	10	EA	1.509	elec	\$80.62	360.00	0.00	0.00	\$593.10	\$5,931	\$5,931	\$0	\$0	\$0	\$0
26 50 00	Type H :4' 0"surface wrap , LED, ,hard lid	21	EA	0.941	elec	\$80.62	428.00	0.00	0.00	\$610.22	\$12,815	\$12,815	\$0	\$0	\$0	\$0
26 50 00	Type H1 :4' 0"pendant wrap , LED, ,hard lid	2	EA	1.500	elec	\$80.62	428.00	0.00	0.00	\$672.41	\$1,345	\$1,345	\$0	\$0	\$0	\$0
26 50 00	Type I :2' 0"surface wrap , LED, ,hard lid	7	EA	0.890	elec	\$80.62	215.00	0.00	0.00	\$352.96	\$2,471	\$2,471	\$0	\$0	\$0	\$0
26 50 00	Type J: 8" led surface round downlight	6	EA	1.882	elec	\$80.62	388.00	0.00	0.00	\$667.67	\$4,006	\$4,006	\$0	\$0	\$0	\$0
26 50 00	Type K: LED Vandal Resistant Exit fixture w/ 90 min battery	3	EA	1.818	elec	\$80.62	380.00	0.00	0.00	\$651.10	\$1,953	\$1,953	\$0	\$0	\$0	\$0
26 50 00	Type L: LED exit sign , Universal mount	4	EA	1.194	elec	\$80.62	45.76	0.00	0.00	\$186.89	\$748	\$748	\$0	\$0	\$0	\$0
26 50 00	Type M: 4' LED lensed strip Pendant fixture	3	EA	1.500	elec	\$80.62	415.00	0.00	0.00	\$657.06	\$1,971	\$1,971	\$0	\$0	\$0	\$0
26 50 00	Type N: LED Exterior wall pack	14	EA	2.462	elec	\$80.62	585.00	0.00	0.00	\$964.88	\$13,508	\$13,508	\$0	\$0	\$0	\$0
26 50 00	Type O: LED Exterior wall mount cylinder	1	EA	1.120	elec	\$80.62	504.00	0.00	0.00	\$719.90	\$720	\$720	\$0	\$0	\$0	\$0
26 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	4S box,barhanger ,round ring	170	EA	0.776	elec	\$80.62	18.49	0.00	0.00	\$108.18	\$18,390	\$18,390	\$0	\$0	\$0	\$0
26 50 00	4S box,barhanger , blank cover	42	EA	0.676	elec	\$80.62	14.74	0.00	0.00	\$92.62	\$3,890	\$3,890	\$0	\$0	\$0	\$0
26 50 00	4S box,barhanger ,1 gang ring	16	EA	0.776	elec	\$80.62	18.49	0.00	0.00	\$108.18	\$1,731	\$1,731	\$0	\$0	\$0	\$0
26 50 00	3/4" Flex w/ 3) #12 ,1) #12 Cu	126	LF	0.101	elec	\$80.62	2.46	0.00	0.00	\$14.13	\$1,780	\$1,780	\$0	\$0	\$0	\$0
26 50 00	3/4" flex connectors	42	EA	0.160	elec	\$80.62	6.55	0.00	0.00	\$25.54	\$1,073	\$1,073	\$0	\$0	\$0	\$0
26 50 00	3/4" flex connectors 90 degree	42	EA	0.160	elec	\$80.62	7.60	0.00	0.00	\$26.78	\$1,125	\$1,125	\$0	\$0	\$0	\$0
26 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	SPST spring wound Timer	10	EA	1.000	elec	\$80.62	57.95	0.00	0.00	\$179.71	\$1,797	\$1,797	\$0	\$0	\$0	\$0
26 50 00	SPST switch 1 gang	6	EA	0.296	elec	\$80.62	8.80	0.00	0.00	\$43.33	\$260	\$260	\$0	\$0	\$0	\$0
26 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	3/4" EMT 3) #12 CU	2,470	LF	0.084	elec	\$80.62	1.29	0.00	0.00	\$10.85	\$26,805	\$26,805	\$0	\$0	\$0	\$0
26 50 00	3/4" EMT 4) #12 CU	800	LF	0.091	elec	\$80.62	2.04	0.00	0.00	\$12.54	\$10,034	\$10,034	\$0	\$0	\$0	\$0
26 50 00	3/4" EMT 6) #12 CU	990	LF	0.114	elec	\$80.62	2.58	0.00	0.00	\$15.75	\$15,596	\$15,596	\$0	\$0	\$0	\$0
26 50 00	3/4" EMT connectors	456	EA	0.073	elec	\$80.62	4.05	0.00	0.00	\$12.91	\$5,885	\$5,885	\$0	\$0	\$0	\$0
26 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	Access Panels					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	Access Panel @ hard lid	11	EA	0.576	elec	\$80.62	17.01	0.00	0.00	\$84.18	\$926	\$926	\$0	\$0	\$0	\$0
26 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	Splay wires at suspended fixtures	28	EA	0.120	elec	\$80.62	3.40	0.00	0.00	\$17.37	\$486	\$486	\$0	\$0	\$0	\$0
26 50 00	Splay wires at recessed fixtures downlights	9	EA	0.120	elec	\$80.62	3.40	0.00	0.00	\$17.37	\$156	\$156	\$0	\$0	\$0	\$0
26 50 00	Splay wires at recessed fixtures	140	EA	0.120	elec	\$80.62	3.40	0.00	0.00	\$17.37	\$2,431	\$2,431	\$0	\$0	\$0	\$0
26 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	3/32" aircraft cable	84	LF	0.015	elec	\$80.62	1.00	0.00	0.00	\$2.84	\$239	\$239	\$0	\$0	\$0	\$0
26 50 00	3/32" aircraft cable crimps	28	EA	0.020	elec	\$80.62	1.35	0.00	0.00	\$3.82	\$107	\$107	\$0	\$0	\$0	\$0
26 50 00	3/8" eye bolt and backing	28	EA	0.067	elec	\$80.62	7.32	0.00	0.00	\$16.10	\$451	\$451	\$0	\$0	\$0	\$0
26 50 00	C or L brackets	28	EA	0.250	elec	\$80.62	2.50	0.00	0.00	\$30.77	\$861	\$861	\$0	\$0	\$0	\$0
26 50 00	P1000 Unistrut	56	LF	0.100	elec	\$80.62	3.18	0.00	0.00	\$14.88	\$833	\$833	\$0	\$0	\$0	\$0
26 50 00	Beam Clamps	28	EA	0.250	elec	\$80.62	6.85	0.00	0.00	\$35.91	\$1,005	\$1,005	\$0	\$0	\$0	\$0
26 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 50 00	LIGHTING & LIGHTING DISTRIBUTION		FIXT							\$26.47	\$548,968	\$548,968	\$0	\$0	\$0	\$0
26 00 00	MISC. ELECTRICAL															



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
26 00 00	Allowance	0	GSF			\$0.00	0.00	0.00	1.50	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Building grounding					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	1/4" X 3" X 24" Copper ground bus drilled and tapped w/ insulator offsets	1	EA	2.350	elec	\$80.62	330.00	0.00	0.00	\$651.23	\$651	\$651	\$0	\$0	\$0	\$0
26 00 00	1" EMTw/ 1) #1/0 green CU	60	LF	0.096	elec	\$80.62	4.64	0.00	0.00	\$16.19	\$971	\$971	\$0	\$0	\$0	\$0
26 00 00	1" EMT connector	6	EA	0.089	elec	\$80.62	6.80	0.00	0.00	\$17.93	\$108	\$108	\$0	\$0	\$0	\$0
26 00 00	12" strut rack	12	EA	0.458	elec	\$80.62	14.00	0.00	0.00	\$67.49	\$810	\$810	\$0	\$0	\$0	\$0
26 00 00	1" strutstrap	14	EA	0.020	elec	\$80.62	0.37	0.00	0.00	\$2.66	\$37	\$37	\$0	\$0	\$0	\$0
26 00 00	#1/0 exothermic weld at structural steel	2	EA	1.143	elec	\$80.62	21.50	0.00	0.00	\$152.56	\$305	\$305	\$0	\$0	\$0	\$0
26 00 00	Thru the floor penetration sleeve and seal @ conduits	3	EA	0.250	elec	\$80.62	13.40	0.00	0.00	\$43.64	\$131	\$131	\$0	\$0	\$0	\$0
26 00 00	18" X 36" trench @ ufer ground	30	LF	0.200	elec	\$80.62	2.55	0.00	0.00	\$25.26	\$758	\$758	\$0	\$0	\$0	\$0
26 00 00	18" X 36" trench backfill compaction @ ufer ground	2	CY	0.188	elec	\$80.62	13.40	0.00	0.00	\$36.74	\$73	\$73	\$0	\$0	\$0	\$0
26 00 00	Concrete encasement	1	CY	0.188	elec	\$80.62	225.00	0.00	0.00	\$286.67	\$287	\$287	\$0	\$0	\$0	\$0
26 00 00	Backfill/compaction	1	CY	0.017	elec	\$80.62	0.00	0.00	0.00	\$1.89	\$2	\$2	\$0	\$0	\$0	\$0
26 00 00	Spoils haul off	1	CY	0.188	elec	\$80.62	13.40	0.00	0.00	\$36.74	\$37	\$37	\$0	\$0	\$0	\$0
26 00 00	1" EMT w /#3/0 Stranded green CU	30	LF	0.703	elec	\$80.62	5.43	0.00	0.00	\$84.65	\$2,540	\$2,540	\$0	\$0	\$0	\$0
26 00 00	1" EMT connector	4	EA	0.089	elec	\$80.62	6.80	0.00	0.00	\$17.93	\$72	\$72	\$0	\$0	\$0	\$0
26 00 00	12" strut rack	10	EA	0.458	elec	\$80.62	14.00	0.00	0.00	\$67.49	\$675	\$675	\$0	\$0	\$0	\$0
26 00 00	1" strutstrap	10	EA	0.020	elec	\$80.62	0.37	0.00	0.00	\$2.66	\$27	\$27	\$0	\$0	\$0	\$0
26 00 00	4" ground clamp @ cold water bond	1	EA	1.333	elec	\$80.62	49.00	0.00	0.00	\$206.18	\$206	\$206	\$0	\$0	\$0	\$0
26 00 00	#3/0 termination @ distribution board ground bus	4	EA	1.860	elec	\$80.62	24.00	0.00	0.00	\$235.29	\$941	\$941	\$0	\$0	\$0	\$0
26 00 00	#3/0 exothermic weld mold	1	EA	0.000	elec	\$80.62	154.00	0.00	0.00	\$181.89	\$182	\$182	\$0	\$0	\$0	\$0
26 00 00	3/4" X 10' copper ground rod	1	EA	1.818	elec	\$80.62	39.00	0.00	0.00	\$248.33	\$248	\$248	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	Telecom Room/ Cable Tray Grounding					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	1/4" X 3" X 24" Copper ground bus drilled and tapped w/ insulator offsets	1	EA	2.350	elec	\$80.62	330.00	0.00	0.00	\$651.23	\$651	\$651	\$0	\$0	\$0	\$0
26 00 00	4/0 Stranded CU	90	LF	0.036	elec	\$80.62	5.00	0.00	0.00	\$9.95	\$896	\$896	\$0	\$0	\$0	\$0
26 00 00	#4/0 bonding jumper	5	EA	0.333	elec	\$80.62	5.30	0.00	0.00	\$43.31	\$217	\$217	\$0	\$0	\$0	\$0
26 00 00	#4/0 exothermic weld	5	EA	1.143	elec	\$80.62	37.00	0.00	0.00	\$170.87	\$854	\$854	\$0	\$0	\$0	\$0
26 00 00	#4/0 termination @ distribution board ground bus	1	EA	1.920	elec	\$80.62	29.00	0.00	0.00	\$247.87	\$248	\$248	\$0	\$0	\$0	\$0
26 00 00	1" EMT conduit w-pull-line	80	LF	0.080	elec	\$80.62	1.85	0.00	0.00	\$11.12	\$890	\$890	\$0	\$0	\$0	\$0
26 00 00	1 1/2" EZ Pathway w/ collars	2	EA	0.690	elec	\$80.62	45.90	0.00	0.00	\$130.98	\$262	\$262	\$0	\$0	\$0	\$0
26 00 00	2" cores	2	EA	1.350	elec	\$80.62	198.00	0.00	0.00	\$384.06	\$768	\$768	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 00 00	MISC. ELECTRICAL	20,740	GSF							\$0.67	\$13,846	\$13,846	\$0	\$0	\$0	\$0
26 40 00	SOLAR / PV SYSTEM															
26 40 00	See site	SF				\$0.00	0.00	0.00	32.60	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
26 40 00	SOLAR / PV SYSTEM	KW								\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	DATA / VOICE COMMUNICATIONS															
27 30 00	Allowance, communication	0	GSF			\$0.00	0.00	0.00	1.50	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Allowance, Data	0	GSF			\$0.00	0.00	0.00	1.50	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	MDF					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	4 Post Floor AV Cabinets: Middle Atlantic #MRK-44-26 AV Enclosure w/ doors and side panels	2	EA	6.500	elec	\$80.62	2,765.00	0.00	0.00	\$3,989.00	\$7,978	\$7,978	\$0	\$0	\$0	\$0
27 30 00	APC # SMX2000VA LCD-100-127V Rack mount UPS	2	EA	14.035	elec	\$80.62	1,045.00	0.00	0.00	\$2,795.80	\$5,592	\$5,592	\$0	\$0	\$0	\$0
27 30 00	Middle Atlantic #PDS-1620r-ns 20amp 3 phase sequencer	2	EA	1.300	elec	\$80.62	353.00	0.00	0.00	\$561.57	\$1,123	\$1,123	\$0	\$0	\$0	\$0
27 30 00	1U rack mount fiber cabinet, duplex SC	1	EA	8.590	elec	\$80.62	810.00	0.00	0.00	\$1,912.43	\$1,912	\$1,912	\$0	\$0	\$0	\$0
27 30 00	Service Entrance Network switch 96 port	1	EA	36.364	elec	\$80.62	7,498.00	0.00	0.00	\$12,901.91	\$12,902	\$12,902	\$0	\$0	\$0	\$0
27 30 00	FO Distribution Enclosure and patch panel	1	EA	5.260	elec	\$80.62	810.00	0.00	0.00	\$1,541.93	\$1,542	\$1,542	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
27 30 00	Vertical cable management panels	4	EA	4.950	elec	\$80.62	121.10	0.00	0.00	\$693.77	\$2,775	\$2,775	\$0	\$0	\$0	\$0
27 30 00	Horizontal cable management panels	4	EA	4.950	elec	\$80.62	101.25	0.00	0.00	\$670.32	\$2,681	\$2,681	\$0	\$0	\$0	\$0
27 30 00	6" X 12" Ladder cable tray	0	LF	0.174	elec	\$80.62	22.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	6" X 12" Ladder cable tray drop out	0	EA	0.615	elec	\$80.62	14.60	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	24" strut rack	0	EA	0.950	elec	\$80.62	32.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	24" strut rack seismic support assemblies	0	EA	1.560	elec	\$80.62	136.10	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Cable tray EZ Pathway w/ collars	0	EA	2.520	elec	\$80.62	264.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	110 blocks at wall	2	EA	4.600	elec	\$80.62	240.56	0.00	0.00	\$795.92	\$1,592	\$1,592	\$0	\$0	\$0	\$0
27 30 00	4' x8' AC plywood all walls	4	EA	0.800	elec	\$80.62	85.00	0.00	0.00	\$189.40	\$758	\$758	\$0	\$0	\$0	\$0
27 30 00	L-5 20R receptacle	4	EA	0.267	elec	\$80.62	12.95	0.00	0.00	\$45.00	\$180	\$180	\$0	\$0	\$0	\$0
27 30 00	L-21 20R receptacle	1	EA	0.333	elec	\$80.62	25.00	0.00	0.00	\$66.58	\$67	\$67	\$0	\$0	\$0	\$0
27 30 00	Junction Boxes	5	EA	0.502	elec	\$80.62	16.78	0.00	0.00	\$75.67	\$378	\$378	\$0	\$0	\$0	\$0
27 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	200-pr AN/MW cable	380	LF	0.049	elec	\$80.62	3.93	0.00	0.00	\$10.09	\$3,836	\$3,836	\$0	\$0	\$0	\$0
27 30 00	200-pr AN/MW copper termination	400	EA	0.300	elec	\$80.62	0.10	0.00	0.00	\$33.50	\$13,398	\$13,398	\$0	\$0	\$0	\$0
27 30 00	200-pr AN/MW copper testing w-documentation	400	EA	0.500	elec	\$80.62	0.25	0.00	0.00	\$55.92	\$22,370	\$22,370	\$0	\$0	\$0	\$0
27 30 00	200-pr AN/MW copper labeling	400	EA	0.200	elec	\$80.62	0.20	0.00	0.00	\$22.49	\$8,995	\$8,995	\$0	\$0	\$0	\$0
27 30 00	50-pr AN/MW cable	210	LF	0.033	elec	\$80.62	2.23	0.00	0.00	\$6.27	\$1,316	\$1,316	\$0	\$0	\$0	\$0
27 30 00	50-pr AN/MW copper termination	100	EA	0.300	elec	\$80.62	0.10	0.00	0.00	\$33.50	\$3,350	\$3,350	\$0	\$0	\$0	\$0
27 30 00	50-pr AN/MW copper testing w-documentation	100	EA	0.500	elec	\$80.62	0.25	0.00	0.00	\$55.92	\$5,592	\$5,592	\$0	\$0	\$0	\$0
27 30 00	50-pr AN/MW copper labeling	100	EA	0.200	elec	\$80.62	0.20	0.00	0.00	\$22.49	\$2,249	\$2,249	\$0	\$0	\$0	\$0
27 30 00	Cat 5E 25-pr copperpower sum cable	80	LF	0.027	elec	\$80.62	3.74	0.00	0.00	\$7.39	\$591	\$591	\$0	\$0	\$0	\$0
27 30 00	Cat 5E 25-pr copper cable	3,100	LF	0.027	elec	\$80.62	2.24	0.00	0.00	\$5.62	\$17,411	\$17,411	\$0	\$0	\$0	\$0
27 30 00	Cat 5E 25-pr copper termination	300	EA	0.300	elec	\$80.62	0.10	0.00	0.00	\$33.50	\$10,049	\$10,049	\$0	\$0	\$0	\$0
27 30 00	Cat 5E 25-pr copper testing w-documentation	300	EA	0.500	elec	\$80.62	0.25	0.00	0.00	\$55.92	\$16,777	\$16,777	\$0	\$0	\$0	\$0
27 30 00	Cat 5E 25-pr copper labeling	300	EA	0.200	elec	\$80.62	0.20	0.00	0.00	\$22.49	\$6,746	\$6,746	\$0	\$0	\$0	\$0
27 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Paging Equipment - See Div 28					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Intercom System - See Div 28					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Assisted Listening					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Assisted Listening Equipment OFCI	0	LS	0.000	elec	\$80.62	12,258.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Assisted Listening Equipment installation					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Audio Transmitter	1	EA	3.550	elec	\$80.62	0.00	0.00	0.00	\$394.97	\$395	\$395	\$0	\$0	\$0	\$0
27 30 00	Rack mount kits	5	EA	2.850	elec	\$80.62	0.00	0.00	0.00	\$317.09	\$1,585	\$1,585	\$0	\$0	\$0	\$0
27 30 00	Audio Receivers	9	EA	0.000	elec	\$80.62	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Head phone sets ?	3	EA	0.000	elec	\$80.62	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Neck loops	3	EA	0.000	elec	\$80.62	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Charging station	5	EA	0.000	elec	\$80.62	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Head worn microphone	9	EA	0.000	elec	\$80.62	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Battery packs	9	EA	0.000	elec	\$80.62	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Signage	10	EA	0.550	elec	\$80.62	52.00	0.00	0.00	\$122.61	\$1,226	\$1,226	\$0	\$0	\$0	\$0
27 30 00	Microphone Mixer	5	EA	0.000	elec	\$80.62	410.00	0.00	0.00	\$484.26	\$2,421	\$2,421	\$0	\$0	\$0	\$0
27 30 00	Audio Radiators	20	EA	1.100	elec	\$80.62	269.99	0.00	0.00	\$441.28	\$8,826	\$8,826	\$0	\$0	\$0	\$0
27 30 00	Audio Radiator antennas	20	EA	1.300	elec	\$80.62	89.00	0.00	0.00	\$249.76	\$4,995	\$4,995	\$0	\$0	\$0	\$0
27 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Phoenix cables (ALS, @ Antennas shown)	1,040	LF	0.016	elec	\$80.62	0.22	0.00	0.00	\$2.04	\$2,122	\$2,122	\$0	\$0	\$0	\$0
27 30 00	Phoenix termination	20	EA	0.300	elec	\$80.62	0.10	0.00	0.00	\$33.50	\$670	\$670	\$0	\$0	\$0	\$0
27 30 00	Phoenix testing w-documentation	20	EA	0.500	elec	\$80.62	0.25	0.00	0.00	\$55.92	\$1,118	\$1,118	\$0	\$0	\$0	\$0
27 30 00	Phoenix labeling	20	EA	0.200	elec	\$80.62	0.20	0.00	0.00	\$22.49	\$450	\$450	\$0	\$0	\$0	\$0
27 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Communications Outlets					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Telecom floor box	0	EA	2.560	elec	\$80.62	539.18	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Telecom outlet , wall mtd	83	EA	0.940	elec	\$80.62	28.54	0.00	0.00	\$138.29	\$11,478	\$11,478	\$0	\$0	\$0	\$0
27 30 00	Teledata outlet , wall mtd	4	EA	0.940	elec	\$80.62	28.54	0.00	0.00	\$138.29	\$553	\$553	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
27 30 00	"BMS" outlet	1	EA		1.309 elec	\$80.62	36.79	0.00	0.00	\$189.09	\$189	\$189	\$0	\$0	\$0	\$0
27 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	WAPs					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Junction Box @ WAP	6	EA		0.502 elec	\$80.62	16.78	0.00	0.00	\$75.67	\$454	\$454	\$0	\$0	\$0	\$0
27 30 00	WAP Device	6	EA		1.556 elec	\$80.62	199.00	0.00	0.00	\$408.16	\$2,449	\$2,449	\$0	\$0	\$0	\$0
27 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Communications Raceway					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	1" EMT conduit w-pull-line	830	LF		0.080 elec	\$80.62	1.85	0.00	0.00	\$11.12	\$9,229	\$9,229	\$0	\$0	\$0	\$0
27 30 00	Cable support pathway j-hooks	207	EA		0.750 elec	\$80.62	20.00	0.00	0.00	\$107.07	\$22,163	\$22,163	\$0	\$0	\$0	\$0
27 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Communications Cabling, Term's & Testing					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	Cat 6A 4-pr copper cable	6,530	LF		0.016 elec	\$80.62	0.30	0.00	0.00	\$2.13	\$13,938	\$13,938	\$0	\$0	\$0	\$0
27 30 00	Cat 6A 4-pr copper termination	87	EA		0.300 elec	\$80.62	0.10	0.00	0.00	\$33.50	\$2,914	\$2,914	\$0	\$0	\$0	\$0
27 30 00	Cat 6A 4-pr copper testing w-documentation	87	EA		0.500 elec	\$80.62	0.25	0.00	0.00	\$55.92	\$4,865	\$4,865	\$0	\$0	\$0	\$0
27 30 00	Cat 6A 4-pr copper labeling	87	EA		0.200 elec	\$80.62	0.20	0.00	0.00	\$22.49	\$1,956	\$1,956	\$0	\$0	\$0	\$0
27 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 30 00	DATA / VOICE COMMUNICATIONS		OPNG							\$11.87	\$246,158	\$246,158	\$0	\$0	\$0	\$0
27 00 00	CLOCK & BELL SYSTEM		OPNG							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 20 00	DATA		OPNG							\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	AUDIO-VIDEO COMMUNICATIONS															
27 40 00	Allowance	0	GSF			\$0.00	0.00	0.00	2.50	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Audio Video System					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	3 Input Long Distance Input Switcher /Transmitter	0	EA		1.250 elec	\$80.62	1,790.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Cable Cubby 500 series	0	EA		3.800 elec	\$80.62	505.23	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Top Set Touchscreen Control Panel CTP,Crestron TSW-1060 with TTK	1	EA		6.000 elec	\$80.62	2,650.00	0.00	0.00	\$3,797.54	\$3,798	\$3,798	\$0	\$0	\$0	\$0
27 40 00	Cables to Go C2G41034 HDMI VGA 3.5 Audio wall plate wall plate CPB	16	EA		0.400 elec	\$80.62	51.99	0.00	0.00	\$105.91	\$1,695	\$1,695	\$0	\$0	\$0	\$0
27 40 00	Media Panel ,Wall Mount 12 button MP1 Creston MP-B20W with audio and navigation pad control	15	EA		1.280 elec	\$80.62	500.00	0.00	0.00	\$732.97	\$10,995	\$10,995	\$0	\$0	\$0	\$0
27 40 00	MP-8 media panel MP8 plate	0	EA		1.190 elec	\$80.62	204.40	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Crestron #BPC-8-IMC interface module	31	EA		0.300 elec	\$80.62	36.00	0.00	0.00	\$75.90	\$2,353	\$2,353	\$0	\$0	\$0	\$0
27 40 00	Crestron 12v power supply	31	EA		0.250 elec	\$80.62	24.01	0.00	0.00	\$56.17	\$1,741	\$1,741	\$0	\$0	\$0	\$0
27 40 00	HDMI VGA combination 2gang wall plate transmitter: Cables to Go #29301	0	EA		1.190 elec	\$80.62	472.45	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Video Scaling Receiver @ each Flat panel Creston DM-RMC-Scaler-S ?	22	EA		3.895 elec	\$80.62	499.00	0.00	0.00	\$1,022.74	\$22,500	\$22,500	\$0	\$0	\$0	\$0
27 40 00	PTT desk mount microphone	0	EA		1.550 elec	\$80.62	185.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	46" Commercial LCD Display OFCI	11	EA		5.800 elec	\$80.62	0.00	0.00	0.00	\$645.30	\$7,098	\$7,098	\$0	\$0	\$0	\$0
27 40 00	70" Commercial LCD Display OFCI	6	EA		11.852 elec	\$80.62	0.00	0.00	0.00	\$1,318.64	\$7,912	\$7,912	\$0	\$0	\$0	\$0
27 40 00	80" Commercial LCD Display OFCI	5	EA		11.852 elec	\$80.62	0.00	0.00	0.00	\$1,318.64	\$6,593	\$6,593	\$0	\$0	\$0	\$0
27 40 00	Media Outlet w/ flat panel DM RX wall box and hanger FPWB: Creston FSR	22	EA		1.520 elec	\$80.62	244.02	0.00	0.00	\$457.33	\$10,061	\$10,061	\$0	\$0	\$0	\$0
27 40 00	Counter top mount Extron Touchlink touch pad 3.5", @ cubby	0	EA		3.600 elec	\$80.62	1,300.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Under counter sliding shelf	0	EA		1.330 elec	\$80.62	129.75	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Soundbar speakers - OFCI	16	EA		1.194 elec	\$80.62	0.00	0.00	0.00	\$132.84	\$2,125	\$2,125	\$0	\$0	\$0	\$0
27 40 00	Extron AV speakers	0	EA		1.194 elec	\$80.62	185.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Extron AV speaker back box ? (Surface mount sound bars?)	0	EA		1.250 elec	\$80.62	90.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	DM RX media receiver controller	1	EA		4.000 elec	\$80.62	900.00	0.00	0.00	\$1,508.05	\$1,508	\$1,508	\$0	\$0	\$0	\$0
27 40 00	Program Room Tuners - OFCI	2	EA		1.330 elec	\$80.62	0.00	0.00	0.00	\$147.97	\$296	\$296	\$0	\$0	\$0	\$0
27 40 00	AV SRS sliding rail rack system w/ 8 port /16 channel AV switch,BR/DVD/CD and power supply (No AV Switch?)R18	1	EA		12.800 elec	\$80.62	5,767.98	0.00	0.00	\$8,236.82	\$8,237	\$8,237	\$0	\$0	\$0	\$0
27 40 00	Recessed projector screen	0	EA		4.000 elec	\$80.62	1,199.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Projector connection	0	EA		1.500 elec	\$80.62	328.98	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Projector Ceiling mount assy	0	EA		2.690 elec	\$80.62	259.20	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Projector	0	EA		3.500 elec	\$80.62	2,920.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	HDMI In/Output board w/ analog stereo	1	EA		2.000 elec	\$80.62	2,790.00	0.00	0.00	\$3,517.86	\$3,518	\$3,518	\$0	\$0	\$0	\$0
27 40 00	HDMI In/Output board	1	EA		1.500 elec	\$80.62	1,390.00	0.00	0.00	\$1,808.65	\$1,809	\$1,809	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
27 40 00	DSP Processor	0	EA	3.600	elec	\$80.62	799.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Digital Audio Recorder	0	EA	4.000	elec	\$80.62	2,990.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	4 Channel power Amplifier w/ power supply	1	EA	1.509	elec	\$80.62	1,875.00	0.00	0.00	\$2,382.50	\$2,382	\$2,382	\$0	\$0	\$0	\$0
27 40 00	Blank slot	0	EA	1.000	elec	\$80.62	50.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	TV Outlets					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	"TVTC": TV Terminal can: 8" X 8" X 4"	1	EA	1.000	elec	\$80.62	26.10	0.00	0.00	\$142.09	\$142	\$142	\$0	\$0	\$0	\$0
27 40 00	Blonder Tongue 4 way port splitter "SP4"	8	EA	0.220	elec	\$80.62	37.34	0.00	0.00	\$68.58	\$549	\$549	\$0	\$0	\$0	\$0
27 40 00	Blonder Tongue linear equalizer "Tilt"	2	EA	0.220	elec	\$80.62	4.95	0.00	0.00	\$30.32	\$61	\$61	\$0	\$0	\$0	\$0
27 40 00	Blonder Tongue Attenuator pads "Pad"	3	EA	0.350	elec	\$80.62	6.10	0.00	0.00	\$46.15	\$138	\$138	\$0	\$0	\$0	\$0
27 40 00	Blonder Tongue inline distribution amplifier "RMDA 750-30" (Rack mount not shown)	1	EA	0.510	elec	\$80.62	567.92	0.00	0.00	\$727.53	\$728	\$728	\$0	\$0	\$0	\$0
27 40 00	Blonder Tongue inline distribution amplifier "BIDA 750-30"	3	EA	0.333	elec	\$80.62	497.25	0.00	0.00	\$624.36	\$1,873	\$1,873	\$0	\$0	\$0	\$0
27 40 00	Single TV outlet 1) RG11	17	EA	0.167	elec	\$80.62	6.95	0.00	0.00	\$26.79	\$455	\$455	\$0	\$0	\$0	\$0
27 40 00	4/11D box,barhanger ,2 gang ring	17	EA	0.801	elec	\$80.62	19.98	0.00	0.00	\$112.72	\$1,916	\$1,916	\$0	\$0	\$0	\$0
27 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Monitor Backing Plates					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	6" X 80" metal backing plate	20	EA	2.200	elec	\$80.62	127.00	0.00	0.00	\$394.77	\$7,895	\$7,895	\$0	\$0	\$0	\$0
27 40 00	6" X 70" metal backing plate	12	EA	2.200	elec	\$80.62	127.00	0.00	0.00	\$394.77	\$4,737	\$4,737	\$0	\$0	\$0	\$0
27 40 00	6" X 48" metal backing plate	22	EA	2.200	elec	\$80.62	127.00	0.00	0.00	\$394.77	\$8,685	\$8,685	\$0	\$0	\$0	\$0
27 40 00	Legrand #522 in wall device box w/ 2 power outlets and AV outlet	22	EA	0.960	elec	\$80.62	33.00	0.00	0.00	\$145.79	\$3,207	\$3,207	\$0	\$0	\$0	\$0
27 40 00	LAN drop outlet and plate, Ethernet and RGA device outlets	22	EA	0.390	elec	\$80.62	5.70	0.00	0.00	\$50.12	\$1,103	\$1,103	\$0	\$0	\$0	\$0
27 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Audio/Video Equipment Riser					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	1" EMT conduit w-pull-line	60	LF	0.080	elec	\$80.62	1.85	0.00	0.00	\$11.12	\$667	\$667	\$0	\$0	\$0	\$0
27 40 00	1 1/4" EMT conduit w-pull-line	0	LF	0.154	elec	\$80.62	4.83	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Cat 6A 4-pr copper cable	240	LF	0.016	elec	\$80.62	0.30	0.00	0.00	\$2.13	\$512	\$512	\$0	\$0	\$0	\$0
27 40 00	Cat 6A 4-pr copper termination	4	EA	0.300	elec	\$80.62	0.10	0.00	0.00	\$33.50	\$134	\$134	\$0	\$0	\$0	\$0
27 40 00	Cat 6A 4-pr copper testing w-documentation	4	EA	0.500	elec	\$80.62	0.25	0.00	0.00	\$55.92	\$224	\$224	\$0	\$0	\$0	\$0
27 40 00	Cat 6A 4-pr copper labeling	4	EA	0.200	elec	\$80.62	0.20	0.00	0.00	\$22.49	\$90	\$90	\$0	\$0	\$0	\$0
27 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	4 pair UTP cable LAN / Telephone	190	LF	0.016	elec	\$80.62	0.30	0.00	0.00	\$2.13	\$406	\$406	\$0	\$0	\$0	\$0
27 40 00	RJ 45 jacks UTP	24	EA	0.133	elec	\$80.62	6.10	0.00	0.00	\$22.00	\$528	\$528	\$0	\$0	\$0	\$0
27 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	1" EMT conduit w-pull-line	120	LF	0.080	elec	\$80.62	1.85	0.00	0.00	\$11.12	\$1,334	\$1,334	\$0	\$0	\$0	\$0
27 40 00	HDMI cable	190	LF	0.016	elec	\$80.62	0.23	0.00	0.00	\$2.05	\$390	\$390	\$0	\$0	\$0	\$0
27 40 00	HDMI connectors	24	EA	0.133	elec	\$80.62	5.51	0.00	0.00	\$21.31	\$511	\$511	\$0	\$0	\$0	\$0
27 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	1" EMT conduit w-pull-line	220	LF	0.080	elec	\$80.62	1.85	0.00	0.00	\$11.12	\$2,446	\$2,446	\$0	\$0	\$0	\$0
27 40 00	VGA cable	1,320	LF	0.016	elec	\$80.62	0.23	0.00	0.00	\$2.05	\$2,708	\$2,708	\$0	\$0	\$0	\$0
27 40 00	VGA connectors	44	EA	0.133	elec	\$80.62	5.51	0.00	0.00	\$21.31	\$937	\$937	\$0	\$0	\$0	\$0
27 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	1 1/4" EMT conduit w-pull-line	260	LF	0.154	elec	\$80.62	4.83	0.00	0.00	\$22.89	\$5,950	\$5,950	\$0	\$0	\$0	\$0
27 40 00	RG6 triple shield coax cable	60	LF	0.016	elec	\$80.62	0.23	0.00	0.00	\$2.05	\$123	\$123	\$0	\$0	\$0	\$0
27 40 00	RG11 triple shielded coax cable	1,450	LF	0.016	elec	\$80.62	0.23	0.00	0.00	\$2.05	\$2,975	\$2,975	\$0	\$0	\$0	\$0
27 40 00	F type connectors	66	EA	0.133	elec	\$80.62	1.10	0.00	0.00	\$16.10	\$1,062	\$1,062	\$0	\$0	\$0	\$0
27 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	3/4" EMT conduit w-pull-line speakers	520	LF	0.067	elec	\$80.62	1.10	0.00	0.00	\$8.75	\$4,552	\$4,552	\$0	\$0	\$0	\$0
27 40 00	2C #14 shielded cable audio	850	LF	0.016	elec	\$80.62	0.60	0.00	0.00	\$2.49	\$2,115	\$2,115	\$0	\$0	\$0	\$0
27 40 00	RCA jacks	64	EA	0.123	elec	\$80.62	1.98	0.00	0.00	\$16.02	\$1,026	\$1,026	\$0	\$0	\$0	\$0
27 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Creston cable DM-CBL-8G-NP-SP500 (CTP, MP1's, CPB's , CTG's and interface modules)	3,600	LF	0.016	elec	\$80.62	1.20	0.00	0.00	\$3.20	\$11,511	\$11,511	\$0	\$0	\$0	\$0
27 40 00	Creston cable connector DM-conn-20	60	EA	0.300	elec	\$80.62	26.00	0.00	0.00	\$64.09	\$3,845	\$3,845	\$0	\$0	\$0	\$0
27 40 00	Creston cable testing w-documentation	60	EA	0.500	elec	\$80.62	0.25	0.00	0.00	\$55.92	\$3,355	\$3,355	\$0	\$0	\$0	\$0
27 40 00	Creston labeling	60	EA	0.200	elec	\$80.62	0.20	0.00	0.00	\$22.49	\$1,349	\$1,349	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
27 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	HD15 cables 6' (Touch Monitors)	1 EA		0.300 elec		\$80.62	16.99	0.00	0.00	\$53.45	\$53	\$53	\$0	\$0	\$0	\$0
27 40 00	HD15 termination	1 EA		0.300 elec		\$80.62	0.10	0.00	0.00	\$33.50	\$33	\$33	\$0	\$0	\$0	\$0
27 40 00	HD15 testing w-documentation	1 EA		0.500 elec		\$80.62	0.25	0.00	0.00	\$55.92	\$56	\$56	\$0	\$0	\$0	\$0
27 40 00	HD15 labeling	1 EA		0.200 elec		\$80.62	0.20	0.00	0.00	\$22.49	\$22	\$22	\$0	\$0	\$0	\$0
27 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	3.5TRS cables 10'(Touch Monitors, CPB's)	17 EA		0.300 elec		\$80.62	19.99	0.00	0.00	\$56.99	\$969	\$969	\$0	\$0	\$0	\$0
27 40 00	3.5TRS termination	17 EA		0.300 elec		\$80.62	0.10	0.00	0.00	\$33.50	\$569	\$569	\$0	\$0	\$0	\$0
27 40 00	3.5TRS testing w-documentation	17 EA		0.500 elec		\$80.62	0.25	0.00	0.00	\$55.92	\$951	\$951	\$0	\$0	\$0	\$0
27 40 00	3.5TRS labeling	17 EA		0.200 elec		\$80.62	0.20	0.00	0.00	\$22.49	\$382	\$382	\$0	\$0	\$0	\$0
27 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00	Missing items AV15 to AV20	1 LS		86.500 elec		\$80.62	14,652.00	0.00	0.00	\$26,929.76	\$26,930	\$26,930	\$0	\$0	\$0	\$0
27 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 40 00																
27 40 00	AUDIO-VIDEO COMMUNICATIONS			OPNG						\$9.88	\$204,830	\$204,830	\$0	\$0	\$0	\$0
27 00 00	MISC. LOW VOLTAGE SYSTEMS															
27 00 00	<i>Video Visitation System</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 00 00	<i>Video Visitation System-shelf/wall mtd</i>	0 EA		5.600 elec		\$80.62	3,560.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 00 00	Video Visitation control station jack wall mtd.	12 EA		1.500 elec		\$80.62	75.00	0.00	0.00	\$255.47	\$3,066	\$3,066	\$0	\$0	\$0	\$0
27 00 00	1" EMT conduit w-pull-line	600 LF		0.067 elec		\$80.62	1.10	0.00	0.00	\$8.75	\$5,252	\$5,252	\$0	\$0	\$0	\$0
27 00 00	Cat 6A 4-pr copper cable	720 LF		0.016 elec		\$80.62	0.30	0.00	0.00	\$2.13	\$1,537	\$1,537	\$0	\$0	\$0	\$0
27 00 00	Cat 6A 4-pr copper termination	24 EA		0.300 elec		\$80.62	0.10	0.00	0.00	\$33.50	\$804	\$804	\$0	\$0	\$0	\$0
27 00 00	Cat 6A 4-pr copper testing w-documentation	24 EA		0.500 elec		\$80.62	0.25	0.00	0.00	\$55.92	\$1,342	\$1,342	\$0	\$0	\$0	\$0
27 00 00	Cat 6A 4-pr copper labeling	24 EA		0.200 elec		\$80.62	0.20	0.00	0.00	\$22.49	\$540	\$540	\$0	\$0	\$0	\$0
27 00 00	3/4" EMT 3) #12 CU	300 LF		0.084 elec		\$80.62	1.29	0.00	0.00	\$10.85	\$3,256	\$3,256	\$0	\$0	\$0	\$0
27 00 00	3/4" EMT connectors	36 EA		0.073 elec		\$80.62	4.05	0.00	0.00	\$12.91	\$465	\$465	\$0	\$0	\$0	\$0
27 00 00	3/4" EMT straps	38 EA		0.018 elec		\$80.62	0.21	0.00	0.00	\$2.25	\$86	\$86	\$0	\$0	\$0	\$0
27 00 00	3/4" conduit wall penetration /seal	12 EA		0.250 elec		\$80.62	3.40	0.00	0.00	\$31.83	\$382	\$382	\$0	\$0	\$0	\$0
27 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
27 00 00																
27 00 00	MISC. LOW VOLTAGE SYSTEMS			DEVICE						\$0.81	\$16,728	\$16,728	\$0	\$0	\$0	\$0
28 00 00	ELECTRONIC SAFETY AND SECURITY															
28 00 00	Allowance - Bldg 10 camera & infrastructure	0 GSF				\$0.00	0.00	0.00	24.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Add for area under catwalk, Rec yard, tunnel - minimal	0 GSF				\$0.00	0.00	0.00	10.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	<i>PLC Door Control and Monitoring System</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	<i>Blind Control Room 132:</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	<i>Blind Control Room 132: Station PC based Touchscreen Control Station Creston TST-902, 8.7" w/ Desk top kit for control of Lighting, Public Address ,Intercom,Control Electronics,Access Control, Chemical Purge Fans,TV, Inmate Telephones, Video Visitation , Receptacles, Water Valves and WIFI</i>	2 EA		8.000 elec		\$80.62	5,180.00	0.00	0.00	\$7,008.30	\$14,017	\$14,017	\$0	\$0	\$0	\$0
28 00 00	Windsx and I/O, 22" monitors	4 EA		0.950 elec		\$80.62	499.00	0.00	0.00	\$695.08	\$2,780	\$2,780	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	<i>SEC.ELEC/DATA Room 120</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	<i>4 Post Floor AV Cabinets: Middle Atlantic #MRK-44-26 AV Enclosure w/ doors and side panels</i>	3 EA		6.500 elec		\$80.62	2,765.00	0.00	0.00	\$3,989.00	\$11,967	\$11,967	\$0	\$0	\$0	\$0
28 00 00	APC # SMX2000VA LCD-100-127V Rack mount UPS	3 EA		14.035 elec		\$80.62	1,045.00	0.00	0.00	\$2,795.80	\$8,387	\$8,387	\$0	\$0	\$0	\$0
28 00 00	Middle Atlantic #PDS-1620r-ns 20amp 3 phase sequencer	3 EA		1.300 elec		\$80.62	353.00	0.00	0.00	\$561.57	\$1,685	\$1,685	\$0	\$0	\$0	\$0
28 00 00	Access Control Equipment splice Rack 36" X 36" X 60"	0 EA		8.590 elec		\$80.62	459.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Allplex Easy Access Master Door controller w/Enclosure, power supply, interlock capable	1 EA		48.000 elec		\$80.62	2,575.00	0.00	0.00	\$8,381.84	\$8,382	\$8,382	\$0	\$0	\$0	\$0
28 00 00	Allplex Easy Access Extension controller w/Enclosure, power supply	17 EA		18.970 elec		\$80.62	1,735.00	0.00	0.00	\$4,159.84	\$70,717	\$70,717	\$0	\$0	\$0	\$0
28 00 00	Allplex Easy Access Expansion controller w/Enclosure, power supply	1 EA		22.100 elec		\$80.62	210.00	0.00	0.00	\$2,706.86	\$2,707	\$2,707	\$0	\$0	\$0	\$0
28 00 00	Security Lighting Control interface relay Panel "LCPS"? : (Greenmax-32 , w/ Command module ,w/ 6) 20 amp 1 pole relays)	1 EA		7.910 elec		\$80.62	1,425.00	0.00	0.00	\$2,563.16	\$2,563	\$2,563	\$0	\$0	\$0	\$0
28 00 00	HMI Server HPE ProLiant ML350	1 EA		6.590 elec		\$80.62	1,884.00	0.00	0.00	\$2,958.44	\$2,958	\$2,958	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
28 00 00	HMI PLC , CPU w/ comm port	2	EA	6.590	elec	\$80.62	1,719.00	0.00	0.00	\$2,763.55	\$5,527	\$5,527	\$0	\$0	\$0	\$0
28 00 00	Programming Server, Lambda Blade-Deep Learning Server and keyboard	1	EA	16.000	elec	\$80.62	21,884.00	0.00	0.00	\$27,627.89	\$27,628	\$27,628	\$0	\$0	\$0	\$0
26 50 00	Windsx and I/O, 22" monitors	1	EA	0.950	elec	\$80.62	499.00	0.00	0.00	\$695.08	\$695	\$695	\$0	\$0	\$0	\$0
28 00 00	Access Control POE switch	1	EA	36.364	elec	\$80.62	1,637.00	0.00	0.00	\$5,979.33	\$5,979	\$5,979	\$0	\$0	\$0	\$0
28 00 00	DSX LAN Switch	1	EA	32.000	elec	\$80.62	1,429.00	0.00	0.00	\$5,248.12	\$5,248	\$5,248	\$0	\$0	\$0	\$0
28 00 00	Intercom and Access Control Logic Controllers ,PLC , 8 channel I/O modules	32	EA	3.590	elec	\$80.62	675.00	0.00	0.00	\$1,196.68	\$38,294	\$38,294	\$0	\$0	\$0	\$0
28 00 00	PLC , power supply	16	EA	0.950	elec	\$80.62	490.21	0.00	0.00	\$684.70	\$10,955	\$10,955	\$0	\$0	\$0	\$0
28 00 00	4 pole 20amp Relay , 120V	157	EA	1.778	elec	\$80.62	56.10	0.00	0.00	\$264.08	\$41,461	\$41,461	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Controlled swing gates, 4 pole 20 amp relay	2	EA	1.778	elec	\$80.62	56.10	0.00	0.00	\$264.08	\$528	\$528	\$0	\$0	\$0	\$0
28 00 00	Controlled Chemical Purge Fans (not Shown on any Mechanical or Electrical drawing)	7	EA	2.500	elec	\$80.62	200.00	0.00	0.00	\$514.37	\$3,601	\$3,601	\$0	\$0	\$0	\$0
28 00 00	Controlled Inmate Telephone Dry contacts, Idex relays	12	EA	0.560	elec	\$80.62	9.95	0.00	0.00	\$74.06	\$889	\$889	\$0	\$0	\$0	\$0
28 00 00	LMRC-101 Room Receptacle Controller	11	EA	1.650	elec	\$80.62	97.09	0.00	0.00	\$298.25	\$3,281	\$3,281	\$0	\$0	\$0	\$0
28 00 00	LMRC-101 Lighting Room Controller	22	EA	1.650	elec	\$80.62	97.09	0.00	0.00	\$298.25	\$6,562	\$6,562	\$0	\$0	\$0	\$0
28 00 00	Controlled water valves (not Shown)	30	EA	2.500	elec	\$80.62	200.00	0.00	0.00	\$514.37	\$15,431	\$15,431	\$0	\$0	\$0	\$0
28 00 00	LMRC-101 Room Television Receptacle Controller	17	EA	1.650	elec	\$80.62	97.09	0.00	0.00	\$298.25	\$5,070	\$5,070	\$0	\$0	\$0	\$0
28 00 00	Controlled WIFI signal (no Info provided)	6	EA	2.500	elec	\$80.62	200.00	0.00	0.00	\$514.37	\$3,086	\$3,086	\$0	\$0	\$0	\$0
28 00 00	LMRC-101 Room Controller Video Visitation	6	EA	1.650	elec	\$80.62	97.09	0.00	0.00	\$298.25	\$1,790	\$1,790	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	6" X 12" Ladder cable tray	25	LF	0.174	elec	\$80.62	22.00	0.00	0.00	\$45.34	\$1,134	\$1,134	\$0	\$0	\$0	\$0
28 00 00	6" X 12" Ladder cable tray drop out	5	EA	0.615	elec	\$80.62	14.60	0.00	0.00	\$85.67	\$428	\$428	\$0	\$0	\$0	\$0
28 00 00	24" strut rack	9	EA	0.950	elec	\$80.62	32.00	0.00	0.00	\$143.49	\$1,291	\$1,291	\$0	\$0	\$0	\$0
28 00 00	24" strut rack seismic support assemblies	2	EA	1.560	elec	\$80.62	136.10	0.00	0.00	\$334.32	\$669	\$669	\$0	\$0	\$0	\$0
28 00 00	Cable tray EZ Pathway w/ collars	4	EA	2.520	elec	\$80.62	264.00	0.00	0.00	\$592.19	\$2,369	\$2,369	\$0	\$0	\$0	\$0
28 00 00	4 X 8 painted firetreated AC plywood at walls	10	EA	0.480	elec	\$80.62	84.80	0.00	0.00	\$153.56	\$1,536	\$1,536	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Shared Nurse Custody Station					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	HMI Server	1	EA	6.590	elec	\$80.62	628.00	0.00	0.00	\$1,474.94	\$1,475	\$1,475	\$0	\$0	\$0	\$0
28 00 00	POE Ntework switch	1	EA	36.364	elec	\$80.62	1,637.00	0.00	0.00	\$5,979.33	\$5,979	\$5,979	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Badging Station Room To Be Determined:					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	PLC POE switch separate for Badging Station	1	EA	18.000	elec	\$80.62	595.00	0.00	0.00	\$2,705.44	\$2,705	\$2,705	\$0	\$0	\$0	\$0
28 00 00	Badging Station Camera tripod	1	EA	3.000	elec	\$80.62	799.00	0.00	0.00	\$1,277.50	\$1,277	\$1,277	\$0	\$0	\$0	\$0
28 00 00	Badging Station Printer	1	EA	4.000	elec	\$80.62	1,389.00	0.00	0.00	\$2,085.62	\$2,086	\$2,086	\$0	\$0	\$0	\$0
28 00 00	Badging Station CPU w/ keyboard and mouse	1	EA	6.590	elec	\$80.62	1,719.00	0.00	0.00	\$2,763.55	\$2,764	\$2,764	\$0	\$0	\$0	\$0
26 50 00	Windsx and I/O, 22" monitors	1	EA	0.950	elec	\$80.62	499.00	0.00	0.00	\$695.08	\$695	\$695	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Access Control Tablet Devices					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Tablets w/ charging stations for Tablet System Controls Allowance per Engineers notes - deleted per design team	0	LS	0.000	ELEC	\$80.62	75,000.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Wireless Touchscreen Control Station Crestron TST-602-B-S,5.7" Tablet controller w/ Desk top charger kit	7	ea	1.550	ELEC	\$80.62	1,000.00	0.00	0.00	\$1,353.58	\$9,475	\$9,475	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Access Control Devices					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Controlled door interlock "MRJ box"	157	EA	5.260	elec	\$80.62	69.25	0.00	0.00	\$667.02	\$104,722	\$104,722	\$0	\$0	\$0	\$0
28 00 00	Controlled door with electric lock and position limit switch	135	EA	4.000	elec	\$80.62	342.00	0.00	0.00	\$848.98	\$114,613	\$114,613	\$0	\$0	\$0	\$0
28 00 00	Controlled door with door position switch	10	EA	2.000	elec	\$80.62	200.00	0.00	0.00	\$458.74	\$4,587	\$4,587	\$0	\$0	\$0	\$0
28 00 00	Security /CCTV HP work station HMI Touch screen monitor	2	EA	6.580	elec	\$80.62	5,180.00	0.00	0.00	\$6,850.31	\$13,701	\$13,701	\$0	\$0	\$0	\$0
28 00 00	Keypad	2	EA	4.960	elec	\$80.62	83.00	0.00	0.00	\$649.88	\$1,300	\$1,300	\$0	\$0	\$0	\$0
28 00 00	Remote Door control pushbutton	2	EA	1.500	elec	\$80.62	92.10	0.00	0.00	\$275.67	\$551	\$551	\$0	\$0	\$0	\$0
28 00 00	Call button wall mtd.	0	EA	1.500	elec	\$80.62	75.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Wall Mount Card Reader	36	EA	2.963	elec	\$80.62	600.00	0.00	0.00	\$1,038.34	\$37,380	\$37,380	\$0	\$0	\$0	\$0
28 00 00	Frame mounted Card Reader	7	EA	2.963	elec	\$80.62	920.00	0.00	0.00	\$1,416.30	\$9,914	\$9,914	\$0	\$0	\$0	\$0
28 00 00	Frame mounted WP Card Reader	1	EA	3.126	elec	\$80.62	1,159.00	0.00	0.00	\$1,716.72	\$1,717	\$1,717	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
28 00 00	Junction Boxes	195	EA	0.502	elec	\$80.62	16.78	0.00	0.00	\$75.67	\$14,756	\$14,756	\$0	\$0	\$0	\$0
28 00 00	1" EMT conduit w-pull-line	2,950	LF	0.067	elec	\$80.62	1.10	0.00	0.00	\$8.75	\$25,823	\$25,823	\$0	\$0	\$0	\$0
28 00 00	Cat 6A 4-pr copper cable	21,450	LF	0.016	elec	\$80.62	0.30	0.00	0.00	\$2.13	\$45,785	\$45,785	\$0	\$0	\$0	\$0
28 00 00	Cat 6A 4-pr copper termination	195	EA	0.300	elec	\$80.62	0.10	0.00	0.00	\$33.50	\$6,532	\$6,532	\$0	\$0	\$0	\$0
28 00 00	Cat 6A 4-pr copper testing w-documentation	195	EA	0.500	elec	\$80.62	0.25	0.00	0.00	\$55.92	\$10,905	\$10,905	\$0	\$0	\$0	\$0
28 00 00	Cat 6A 4-pr copper labeling	195	EA	0.200	elec	\$80.62	0.20	0.00	0.00	\$22.49	\$4,385	\$4,385	\$0	\$0	\$0	\$0
28 00 00	3/4" EMT 3) #12 CU	3,423	LF	0.084	elec	\$80.62	1.29	0.00	0.00	\$10.85	\$37,148	\$37,148	\$0	\$0	\$0	\$0
28 00 00	3/4" EMT connectors	326	EA	0.073	elec	\$80.62	4.05	0.00	0.00	\$12.91	\$4,207	\$4,207	\$0	\$0	\$0	\$0
28 00 00	3/4" EMT straps	611	EA	0.018	elec	\$80.62	0.21	0.00	0.00	\$2.25	\$1,375	\$1,375	\$0	\$0	\$0	\$0
28 00 00	3/4" conduit wall penetration /seal	163	EA	0.250	elec	\$80.62	3.40	0.00	0.00	\$31.83	\$5,188	\$5,188	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	H2 reprogramming for H3	0	SF	0.001	elec	\$80.62	0.03	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Access Control Tablet Devices					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Tablets w/ charging stations for Tablet System Controls Allowance per Engineers notes	1	LS	0.000	elec	\$80.62	75,000.00	0.00	0.00	\$88,584.38	\$88,584	\$88,584	\$0	\$0	\$0	\$0
28 00 00	Wireless Touchscreen Control Station Crestron TST-602-B-S,5.7" Tablet controller w/ Desk top charger kit	7	EA	1.550	elec	\$80.62	3,200.00	0.00	0.00	\$3,952.05	\$27,664	\$27,664	\$0	\$0	\$0	\$0
28 00 00	CCTV System					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	CCTV Equipment splice Rack 36" X 36" X 60"	0	EA	8.590	elec	\$80.62	456.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Security/ IT Cabinet	1	EA	23.983	elec	\$80.62	3,375.00	0.00	0.00	\$6,654.63	\$6,655	\$6,655	\$0	\$0	\$0	\$0
28 00 00	Bosch 32 Camera POE switch	1	EA	19.340	elec	\$80.62	1,637.00	0.00	0.00	\$4,085.25	\$4,085	\$4,085	\$0	\$0	\$0	\$0
28 00 00	Bosch 32 Camera POE switch power supply	1	EA	11.900	elec	\$80.62	842.81	0.00	0.00	\$2,319.45	\$2,319	\$2,319	\$0	\$0	\$0	\$0
28 00 00	CCTV Main CPU	4	EA	2.850	elec	\$80.62	897.00	0.00	0.00	\$1,376.56	\$5,506	\$5,506	\$0	\$0	\$0	\$0
28 00 00	CCTV Main Programming Server	1	EA	36.344	elec	\$80.62	5,954.50	0.00	0.00	\$11,076.61	\$11,077	\$11,077	\$0	\$0	\$0	\$0
28 00 00	CCTV Main 64 Camera Video recording manager	1	EA	38.260	elec	\$80.62	3,978.00	0.00	0.00	\$8,955.29	\$8,955	\$8,955	\$0	\$0	\$0	\$0
28 00 00	Add cost for the CCTV video recording requirements @ H3	20,740	SF	0.000	elec	\$80.62	0.00	0.00	4.25	\$4.29	\$89,026	\$89,026	\$0	\$0	\$0	\$0
28 00 00	Video Input cards	83	EA	2.963	elec	\$80.62	217.00	0.00	0.00	\$585.97	\$48,635	\$48,635	\$0	\$0	\$0	\$0
28 00 00	Video Output cards	83	EA	2.963	elec	\$80.62	415.00	0.00	0.00	\$819.83	\$68,046	\$68,046	\$0	\$0	\$0	\$0
28 00 00	V.5.5 Software	1	EA	60.000	elec	\$80.62	9,450.00	0.00	0.00	\$17,837.18	\$17,837	\$17,837	\$0	\$0	\$0	\$0
28 00 00	Security Control System Panel	1	EA	23.988	elec	\$80.62	9,325.00	0.00	0.00	\$13,682.88	\$13,683	\$13,683	\$0	\$0	\$0	\$0
28 00 00	Security /CCTV HP work station	2	EA	3.850	elec	\$80.62	1,659.00	0.00	0.00	\$2,387.83	\$4,776	\$4,776	\$0	\$0	\$0	\$0
28 00 00	Security /CCTV HP work station and Security Electric room 24" monitors	0	EA	0.950	elec	\$80.62	499.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	CCTV KVM switch with console	1	EA	2.963	elec	\$80.62	2,075.00	0.00	0.00	\$2,780.50	\$2,780	\$2,780	\$0	\$0	\$0	\$0
28 00 00	Controllable keybopard card	2	EA	19.340	elec	\$80.62	469.80	0.00	0.00	\$2,706.65	\$5,413	\$5,413	\$0	\$0	\$0	\$0
28 00 00	CCTV interior color camera , ceiling mount Dome fixed corner mount (was 39)	67	EA	3.560	elec	\$80.62	818.90	0.00	0.00	\$1,363.31	\$91,342	\$91,342	\$0	\$0	\$0	\$0
28 00 00	CCTV exterior fixed WP camera	12	EA	6.154	elec	\$80.62	930.50	0.00	0.00	\$1,783.73	\$21,405	\$21,405	\$0	\$0	\$0	\$0
28 00 00	CCTV exterior fixed WP camera, fence post mount	1	EA	7.250	elec	\$80.62	930.50	0.00	0.00	\$1,905.67	\$1,906	\$1,906	\$0	\$0	\$0	\$0
28 00 00	Outlet boxes w/ barhanger ,ring and plate for future Camera corner mount		EA	0.576	elec	\$80.62	17.01	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Camera outlet (was 39)	67	EA	0.940	elec	\$80.62	28.54	0.00	0.00	\$138.29	\$9,266	\$9,266	\$0	\$0	\$0	\$0
28 00 00	Camera outlet WP	13	EA	0.940	elec	\$80.62	28.54	0.00	0.00	\$138.29	\$1,798	\$1,798	\$0	\$0	\$0	\$0
28 00 00	Camera 3/4" EMT conduit stubs to accessible ceiling (was 1,420 lf)	2,490	LF	0.067	elec	\$80.62	1.10	0.00	0.00	\$8.75	\$21,796	\$21,796	\$0	\$0	\$0	\$0
28 00 00	Camera Cat 6A 4-pr copper cable (was 7,210)	15,800	LF	0.016	elec	\$80.62	0.30	0.00	0.00	\$2.13	\$33,725	\$33,725	\$0	\$0	\$0	\$0
28 00 00	Camera Cat 6A 4-pr copper termination (was 45)	80	EA	0.300	elec	\$80.62	0.10	0.00	0.00	\$33.50	\$2,680	\$2,680	\$0	\$0	\$0	\$0
28 00 00	Camera Cat 6A 4-pr copper testing w-documentation (was 45)	80	EA	0.500	elec	\$80.62	0.25	0.00	0.00	\$55.92	\$4,474	\$4,474	\$0	\$0	\$0	\$0
28 00 00	Camera Cat 6A 4-pr copper labeling (was 45)	80	EA	0.200	elec	\$80.62	0.20	0.00	0.00	\$22.49	\$1,799	\$1,799	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	3/4" EMT conduit w-pull-line	1,815	LF	0.067	elec	\$80.62	1.25	0.00	0.00	\$8.93	\$16,209	\$16,209	\$0	\$0	\$0	\$0
28 00 00	1" EMT conduit w-pull-line	6,435	LF	0.080	elec	\$80.62	1.85	0.00	0.00	\$11.12	\$71,552	\$71,552	\$0	\$0	\$0	\$0
28 00 00	1 1/4" EMT conduit w-pull-line	480	LF	0.154	elec	\$80.62	4.83	0.00	0.00	\$22.89	\$10,985	\$10,985	\$0	\$0	\$0	\$0
28 00 00	Type A cable #14 cu	2,520	LF	0.011	elec	\$80.62	0.21	0.00	0.00	\$1.51	\$3,815	\$3,815	\$0	\$0	\$0	\$0
28 00 00	Type B cable 3 pr #22 shielded	5,910	LF	0.012	elec	\$80.62	0.62	0.00	0.00	\$2.07	\$12,218	\$12,218	\$0	\$0	\$0	\$0
28 00 00	Type D cable 2 pr #18 shielded	11,016	LF	0.011	elec	\$80.62	0.26	0.00	0.00	\$1.58	\$17,392	\$17,392	\$0	\$0	\$0	\$0
28 00 00	Type G cable 1 pr #20 shielded	12,672	LF	0.011	elec	\$80.62	0.24	0.00	0.00	\$1.56	\$19,707	\$19,707	\$0	\$0	\$0	\$0
28 00 00	Type K cable 4 pr CAT 6A	0	LF	0.011	elec	\$80.62	0.21	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Reduce infrastructure for 8 deleted CCTV					\$0.00	0.00	0.00	151,878.54	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	<i>Future Cameras Alternate</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Outlet boxes w/ barhanger ,ring and plate for future Camera corner mount	40 EA		0.576 elec		\$80.62	17.01	0.00	0.00	\$84.18	\$3,367	\$0	\$3,367	\$0	\$0	\$0
28 00 00	Camera outlet	40 EA		0.940 elec		\$80.62	28.54	0.00	0.00	\$138.29	\$5,532	\$0	\$5,532	\$0	\$0	\$0
28 00 00	Camera 3/4" EMT conduit	600 LF		0.067 elec		\$80.62	1.10	0.00	0.00	\$8.75	\$5,252	\$0	\$5,252	\$0	\$0	\$0
28 00 00	Camera Cat 6A 4-pr copper cable	6,000 LF		0.016 elec		\$80.62	0.30	0.00	0.00	\$2.13	\$12,807	\$0	\$12,807	\$0	\$0	\$0
28 00 00	Camera Cat 6A 4-pr copper termination	40 EA		0.300 elec		\$80.62	0.10	0.00	0.00	\$33.50	\$1,340	\$0	\$1,340	\$0	\$0	\$0
28 00 00	Camera Cat 6A 4-pr copper testing w-documentation	40 EA		0.500 elec		\$80.62	0.25	0.00	0.00	\$55.92	\$2,237	\$0	\$2,237	\$0	\$0	\$0
28 00 00	Camera Cat 6A 4-pr copper labeling	40 EA		0.200 elec		\$80.62	0.20	0.00	0.00	\$22.49	\$900	\$0	\$900	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	<i>Note: Duress alarm system seems to be missing Omni-Directional- Antennas along with additional equipment The Assisted Listening antennas may actually be the Omni-Directional Antennas for the Duress system</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Duress Alarm System					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Fiber Remote Unit	0 EA		3.598 elec		\$80.62	1,083.43	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Remote Desktop Duress Unit MCD 5000	2 EA		2.150 elec		\$80.62	2,635.98	0.00	0.00	\$3,352.63	\$6,705	\$6,705	\$0	\$0	\$0	\$0
28 00 00	Omni Directional Antenna	0 EA		1.500 elec		\$80.62	136.89	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Bi directional Amplifier	0 EA		6.250 elec		\$80.62	3,757.95	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Fiber headend Unit	0 EA		4.280 elec		\$80.62	4,951.20	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Fixed location Control Station Radio Unit APX 7500	0 EA		6.854 elec		\$80.62	2,910.23	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Radio Gateway Unit	0 EA		5.980 elec		\$80.62	2,659.30	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Duress Call System Panel	1 EA		23.983 elec		\$80.62	3,375.00	0.00	0.00	\$6,654.63	\$6,655	\$6,655	\$0	\$0	\$0	\$0
28 00 00	Duress Call "Help Button Master Control Panel"	1 EA		18.970 elec		\$80.62	676.80	0.00	0.00	\$2,909.97	\$2,910	\$2,910	\$0	\$0	\$0	\$0
28 00 00	Duress Call "Help Button Master Control Panel" backbox	1 EA		1.250 elec		\$80.62	91.00	0.00	0.00	\$246.56	\$247	\$247	\$0	\$0	\$0	\$0
28 00 00	Duress Call "Help Button Master Control Panel power supply"	1 EA		1.700 elec		\$80.62	86.00	0.00	0.00	\$290.72	\$291	\$291	\$0	\$0	\$0	\$0
28 00 00	Duress Call "Help Button" backbox	17 EA		1.250 elec		\$80.62	62.00	0.00	0.00	\$212.30	\$3,609	\$3,609	\$0	\$0	\$0	\$0
28 00 00	Duress button	16 EA		1.500 elec		\$80.62	75.00	0.00	0.00	\$255.47	\$4,088	\$4,088	\$0	\$0	\$0	\$0
28 00 00	Duress button under desk or counter	1 EA		1.500 elec		\$80.62	75.00	0.00	0.00	\$255.47	\$255	\$255	\$0	\$0	\$0	\$0
28 00 00	4S box,barhanger ,1 gang ring	0 EA		0.776 elec		\$80.62	18.49	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	3/4" EMTw/ 6C #20 twisted shielded cable	970 LF		0.082 elec		\$80.62	4.66	0.00	0.00	\$14.63	\$14,188	\$14,188	\$0	\$0	\$0	\$0
28 00 00	# 20 terminations	98 EA		0.119 elec		\$80.62	0.60	0.00	0.00	\$13.95	\$1,367	\$1,367	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Paging Equipment					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Audio Service Equipment splice Racks 36" X 36" X 60"	0 EA		8.590 elec		\$80.62	456.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Audio Server ,Rack mount	1 EA		36.364 elec		\$80.62	2,293.00	0.00	0.00	\$6,754.15	\$6,754	\$6,754	\$0	\$0	\$0	\$0
28 00 00	Audio Server software	1 EA		80.000 elec		\$80.62	4,402.00	0.00	0.00	\$14,100.05	\$14,100	\$14,100	\$0	\$0	\$0	\$0
28 00 00	Remote I/O Audio Server ,Rack mount	1 EA		36.364 elec		\$80.62	2,545.00	0.00	0.00	\$7,051.79	\$7,052	\$7,052	\$0	\$0	\$0	\$0
28 00 00	Remote Audio Server software	1 EA		6.000 elec		\$80.62	307.00	0.00	0.00	\$1,030.16	\$1,030	\$1,030	\$0	\$0	\$0	\$0
28 00 00	Paging Adapter	1 EA		1.200 elec		\$80.62	862.00	0.00	0.00	\$1,151.64	\$1,152	\$1,152	\$0	\$0	\$0	\$0
28 00 00	IP Station Adapter Unit Paging Adapter	1 EA		4.000 elec		\$80.62	1,192.00	0.00	0.00	\$1,852.94	\$1,853	\$1,853	\$0	\$0	\$0	\$0
28 00 00	Paging POE switch	1 EA		36.364 elec		\$80.62	1,637.00	0.00	0.00	\$5,979.33	\$5,979	\$5,979	\$0	\$0	\$0	\$0
28 00 00	Intercom/Paging HP work station	1 EA		3.850 elec		\$80.62	1,659.00	0.00	0.00	\$2,387.83	\$2,388	\$2,388	\$0	\$0	\$0	\$0
28 00 00	Intercom/Paging HP work station touchscreen monitor	0 EA		0.950 elec		\$80.62	499.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	4 Channel Paging Amplifier w/ DSP	2 EA		4.000 elec		\$80.62	2,735.00	0.00	0.00	\$3,675.41	\$7,351	\$7,351	\$0	\$0	\$0	\$0
28 00 00	Turbine extended kit	1 EA		2.800 elec		\$80.62	770.00	0.00	0.00	\$1,220.99	\$1,221	\$1,221	\$0	\$0	\$0	\$0
28 00 00	Data/Audio Fiber Coupler	1 EA		4.900 elec		\$80.62	1,405.00	0.00	0.00	\$2,204.65	\$2,205	\$2,205	\$0	\$0	\$0	\$0
28 00 00	Paging speakers	25 EA		1.194 elec		\$80.62	185.00	0.00	0.00	\$351.35	\$8,784	\$8,784	\$0	\$0	\$0	\$0
28 00 00	Paging speakers wall mount	18 EA		1.194 elec		\$80.62	185.00	0.00	0.00	\$351.35	\$6,324	\$6,324	\$0	\$0	\$0	\$0
28 00 00	Paging speaker back box	43 EA		1.250 elec		\$80.62	90.00	0.00	0.00	\$245.38	\$10,551	\$10,551	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Intercom System					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Main and Production Intercom panel Series BCS 120 station panel w/ hardware kit	1 EA		23.998 elec		\$80.62	13,282.52	0.00	0.00	\$18,358.31	\$18,358	\$18,358	\$0	\$0	\$0	\$0
28 00 00	Intercom module frame mount Zenitel Turbine	100 EA		1.000 elec		\$80.62	245.00	0.00	0.00	\$400.63	\$40,063	\$40,063	\$0	\$0	\$0	\$0
28 00 00	Intercom module	1 EA		1.000 elec		\$80.62	245.00	0.00	0.00	\$400.63	\$401	\$401	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
28 00 00	Intercom module ceiling	0	EA	1.000	elec	\$80.62	245.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Intercom Substation w/ back box Zenitel 62927	51	EA	1.850	elec	\$80.62	349.00	0.00	0.00	\$618.04	\$31,520	\$31,520	\$0	\$0	\$0	\$0
28 00 00	Substation interface card kit	3	EA	1.000	elec	\$80.62	263.00	0.00	0.00	\$421.90	\$1,266	\$1,266	\$0	\$0	\$0	\$0
28 00 00	5100-9266 Amplifier	2	EA	1.000	elec	\$80.62	594.54	0.00	0.00	\$813.49	\$1,627	\$1,627	\$0	\$0	\$0	\$0
28 00 00	5100-9268 Amplifier Interface	1	EA	1.250	elec	\$80.62	1,055.00	0.00	0.00	\$1,385.16	\$1,385	\$1,385	\$0	\$0	\$0	\$0
28 00 00	Intercom Desk Top Master Station	2	EA	8.000	elec	\$80.62	1,289.00	0.00	0.00	\$2,412.54	\$4,825	\$4,825	\$0	\$0	\$0	\$0
28 00 00	Intercom Desk Top Master Station 20" monitor	0	EA	2.510	elec	\$80.62	612.35	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	Intercom PLC Control Station	2	EA	8.000	elec	\$80.62	1,289.00	0.00	0.00	\$2,412.54	\$4,825	\$4,825	\$0	\$0	\$0	\$0
28 00 00	Reduce cost of Intercome System per design team		LS			\$0.00	0.00	0.00	100,000.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	3/4" EMT conduit w-pull-line	3,150	LF	0.067	elec	\$80.62	1.10	0.00	0.00	\$8.75	\$27,574	\$27,574	\$0	\$0	\$0	\$0
28 00 00	Cat 6A 4-pr copper cable	3,300	LF	0.016	elec	\$80.62	0.30	0.00	0.00	\$2.13	\$7,044	\$7,044	\$0	\$0	\$0	\$0
28 00 00	Cat 6A 4-pr copper termination	210	EA	0.133	elec	\$80.62	3.31	0.00	0.00	\$18.71	\$3,928	\$3,928	\$0	\$0	\$0	\$0
28 00 00	Cat 6A 4-pr copper testing w-documentation	175	EA	0.500	elec	\$80.62	0.25	0.00	0.00	\$55.92	\$9,787	\$9,787	\$0	\$0	\$0	\$0
28 00 00	Cat 6A 4-pr copper labeling	175	EA	0.200	elec	\$80.62	0.20	0.00	0.00	\$22.49	\$3,935	\$3,935	\$0	\$0	\$0	\$0
28 00 00	RJ 45 jacks	350	EA	0.123	elec	\$80.62	3.34	0.00	0.00	\$17.63	\$6,170	\$6,170	\$0	\$0	\$0	\$0
28 00 00	RJ45 connectors	350	EA	0.020	elec	\$80.62	1.05	0.00	0.00	\$3.47	\$1,213	\$1,213	\$0	\$0	\$0	\$0
28 00 00	Penetrations and Fire stopping	20,740	SF	0.002	elec	\$80.62	0.20	0.00	0.00	\$0.46	\$9,514	\$9,514	\$0	\$0	\$0	\$0
28 00 00	Assist County Contracted 3rd Party Commissioning	20,740	SF	0.003	elec	\$80.62	0.05	0.00	0.00	\$0.39	\$8,147	\$8,147	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 00 00	ELECTRONIC SAFETY AND SECURITY		DEVICE							\$89.58	\$1,857,847	\$1,826,412	\$31,434	\$0	\$0	\$0
28 30 00	FIRE ALARM SYSTEM															
28 30 00	Allowance - Bldg	0	GSF			\$0.00	0.00	0.00	6.25	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	Add for area under catwalk, Rec yard, tunnel	0	GSF			\$0.00	0.00	0.00	4.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	Fire Alarm System					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	Fire Alarm Expander Panel, 16 zone	1	EA	8.000	elec	\$80.62	1,610.00	0.00	0.00	\$2,791.68	\$2,792	\$2,792	\$0	\$0	\$0	\$0
28 30 00	Battery and Battery Rack	1	EA	2.000	elec	\$80.62	410.00	0.00	0.00	\$706.78	\$707	\$707	\$0	\$0	\$0	\$0
28 30 00	Automatic Charger	1	EA	1.000	elec	\$80.62	580.00	0.00	0.00	\$796.31	\$796	\$796	\$0	\$0	\$0	\$0
28 30 00	Fire Alarm Remote Graphic Annunciator Panel, 16 zone	1	EA	9.273	elec	\$80.62	2,375.00	0.00	0.00	\$3,836.88	\$3,837	\$3,837	\$0	\$0	\$0	\$0
28 30 00	Smoke Detector Addressable	55	EA	1.333	elec	\$80.62	219.00	0.00	0.00	\$406.97	\$22,384	\$22,384	\$0	\$0	\$0	\$0
28 30 00	Smoke Detector/ Carbon Monoxide Addressable	12	EA	1.333	elec	\$80.62	219.00	0.00	0.00	\$406.97	\$4,884	\$4,884	\$0	\$0	\$0	\$0
28 30 00	Duct Smoke Detector Addressable photo electric	1	EA	1.510	elec	\$80.62	349.00	0.00	0.00	\$580.21	\$580	\$580	\$0	\$0	\$0	\$0
28 30 00	Heat Detector Addressable	16	EA	1.103	elec	\$80.62	254.00	0.00	0.00	\$422.72	\$6,764	\$6,764	\$0	\$0	\$0	\$0
28 30 00	Pull Station Addressable	2	EA	1.103	elec	\$80.62	146.00	0.00	0.00	\$295.16	\$590	\$590	\$0	\$0	\$0	\$0
28 30 00	Strobe wall mount 15 candela	22	EA	1.194	elec	\$80.62	102.00	0.00	0.00	\$253.32	\$5,573	\$5,573	\$0	\$0	\$0	\$0
28 30 00	Horn /Strobe wall mount	3	EA	1.509	elec	\$80.62	151.00	0.00	0.00	\$346.24	\$1,039	\$1,039	\$0	\$0	\$0	\$0
28 30 00	Strobe wall mount 75 candela	0	EA	1.194	elec	\$80.62	102.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	Exterior weather proof horn/strobe wall mount ,110 candela (not shown)	0	EA	1.509	elec	\$80.62	310.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	Addressable Relay Module PIV (not shown)	0	EA	1.000	elec	\$80.62	235.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	Dual AddressableSupervisory Relay Module W.F and Tamper(not shown)	0	EA	1.000	elec	\$80.62	265.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	Addressable Monitor Module	2	EA	1.000	elec	\$80.62	335.00	0.00	0.00	\$506.94	\$1,014	\$1,014	\$0	\$0	\$0	\$0
28 30 00	Addressable Isolation Module	0	EA	1.000	elec	\$80.62	335.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	Addressable Control Module , FSD's,DD's	8	EA	1.000	elec	\$80.62	335.00	0.00	0.00	\$506.94	\$4,055	\$4,055	\$0	\$0	\$0	\$0
28 30 00	Device wire guards	0	EA	0.300	elec	\$80.62	39.70	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	4S box,barhanger ,ring	110	EA	0.676	elec	\$80.62	14.74	0.00	0.00	\$92.62	\$10,188	\$10,188	\$0	\$0	\$0	\$0
28 30 00	4S box,barhanger ,Blank cover	11	EA	0.776	elec	\$80.62	18.49	0.00	0.00	\$108.18	\$1,190	\$1,190	\$0	\$0	\$0	\$0
28 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	3/4" EMTw/ 1) A Type FEP cable	1,920	LF	0.073	elec	\$80.62	0.98	0.00	0.00	\$9.28	\$17,819	\$17,819	\$0	\$0	\$0	\$0
28 30 00	3/4" EMTw/ 1) B Type FEP cable	920	LF	0.073	elec	\$80.62	1.10	0.00	0.00	\$9.42	\$8,662	\$8,662	\$0	\$0	\$0	\$0
28 30 00	3/4" EMTw/ 1) A,1) B Type FEP cables	270	LF	0.086	elec	\$80.62	1.22	0.00	0.00	\$11.00	\$2,971	\$2,971	\$0	\$0	\$0	\$0
28 30 00	3/4" EMTw/ 2) A Type FEP cables	0	LF	0.086	elec	\$80.62	1.33	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
28 30 00	3/4" EMTw/ 2) B Type FEP cables	0	LF	0.086	elec	\$80.62	1.10	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	3/4" EMT connectors	242	EA	0.073	elec	\$80.62	2.52	0.00	0.00	\$11.10	\$2,686	\$2,686	\$0	\$0	\$0	\$0
28 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	1" EMTw/ 1) 2A,1B Type FEP cables	0	LF	0.103	elec	\$80.62	2.07	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	1" EMTw/ 1) 2A,2B, C Type FEP cables	0	LF	0.114	elec	\$80.62	2.19	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	1" EMT connectors	0	EA	0.089	elec	\$80.62	4.64	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	1" cores	0	EA	0.941	elec	\$80.62	0.18	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	RJ45 connectors	484	EA	0.020	elec	\$80.62	0.45	0.00	0.00	\$2.76	\$1,334	\$1,334	\$0	\$0	\$0	\$0
28 30 00	RJ45 modular plug	0	EA	0.020	elec	\$80.62	0.40	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	Fire Alarm FSD control relay dedicated circuit (not Shown)	0	LF	0.090	elec	\$80.62	2.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	Fire Alarm panel dedicated circuit	50	LF	0.090	elec	\$80.62	2.00	0.00	0.00	\$12.38	\$619	\$619	\$0	\$0	\$0	\$0
28 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
28 30 00	FIRE ALARM SYSTEM	20,740	GSF							\$4.84	\$100,483	\$100,483	\$0	\$0	\$0	\$0
Grand Total	Subtotal subcontractor cost									\$584.33	\$12,119,108	\$11,939,963	\$31,434	\$147,710	\$0	\$0
	General Conditions	10.00%								\$58.43	\$1,211,911	\$1,193,996	\$3,143	\$14,771	\$0	\$0
	General Contractor Markup	5.00%								\$32.14	\$666,551	\$656,698	\$1,729	\$8,124	\$0	\$0
	General Contractor Bond & Insurance	2.50%								\$16.87	\$349,939	\$344,766	\$908	\$4,265	\$0	\$0
	Design / Estimate Contingency	6.00%								\$41.51	\$860,851	\$848,125	\$2,233	\$10,492	\$0	\$0
	Phasing	0.00%								\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
	Working Within Secured Perimeter	0.00%								\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
	Market / Geographical Factor	3.00%								\$22.00	\$456,251	\$449,506	\$1,183	\$5,561	\$0	\$0
	Current Construction Cost									\$755.28	\$15,664,611	\$15,433,054	\$40,630	\$190,923	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Future Camera	VE	Sewer Grinder	Solar
2	Existing Conditions									\$0.10	\$2,159	\$2,159	\$0	\$0	\$0	\$0
3	Concrete									\$36.25	\$751,863	\$751,863	\$0	\$0	\$0	\$0
4	Masonry									\$90.94	\$1,886,019	\$1,886,019	\$0	\$0	\$0	\$0
5	Metals									\$49.75	\$1,031,900	\$1,031,900	\$0	\$0	\$0	\$0
6	Wood, Plastics & Composites									\$9.39	\$194,741	\$194,741	\$0	\$0	\$0	\$0
7	Thermal & Moisture Protection									\$22.68	\$470,383	\$470,383	\$0	\$0	\$0	\$0
8	Openings									\$52.02	\$1,078,868	\$1,078,868	\$0	\$0	\$0	\$0
9	Finishes									\$55.27	\$1,146,344	\$1,141,294	\$0	\$5,050	\$0	\$0
10	Specialties									\$3.30	\$68,412	\$68,412	\$0	\$0	\$0	\$0
11	Equipment									\$13.68	\$283,704	\$283,704	\$0	\$0	\$0	\$0
12	Furnishings									\$0.63	\$12,999	\$12,999	\$0	\$0	\$0	\$0
13	Special Construction									(\$12.97)	(\$269,080)	(\$411,740)	\$0	\$142,660	\$0	\$0
14	Conveying Systems									\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
21	Fire Suppression									\$7.87	\$163,186	\$163,186	\$0	\$0	\$0	\$0
22	Plumbing									\$41.42	\$858,995	\$858,995	\$0	\$0	\$0	\$0
23	HVAC									\$46.45	\$963,352	\$963,352	\$0	\$0	\$0	\$0
26	Electrical									\$50.66	\$1,050,605	\$1,050,605	\$0	\$0	\$0	\$0
27	Communications									\$22.55	\$467,716	\$467,716	\$0	\$0	\$0	\$0
28	Electronic Safety and Security									\$94.36	\$1,956,940	\$1,925,506	\$31,434	\$0	\$0	\$0
31	Earthwork									\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
32	Exterior Improvements									\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
33	Utilities									\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal										\$584.33	\$12,119,108	\$11,939,963	\$31,434	\$147,710	\$0	\$0
	General Conditions	10.00%								\$58.43	\$1,211,911	\$1,193,996	\$3,143	\$14,771	\$0	\$0
	General Contractor Markup	5.00%								\$32.14	\$666,551	\$656,698	\$1,729	\$8,124	\$0	\$0
	General Contractor Bond & Insurance	2.50%								\$16.87	\$349,939	\$344,766	\$908	\$4,265	\$0	\$0
	Design / Estimate Contingency	6.00%								\$41.51	\$860,851	\$848,125	\$2,233	\$10,492	\$0	\$0
	Phasing	0.00%								\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
	Working Within Secured Perimeter	0.00%								\$0.00	\$0	\$0	\$0	\$0	\$0	\$0
	Market / Geographical Factor	3.00%								\$22.00	\$456,251	\$449,506	\$1,183	\$5,561	\$0	\$0
Current Construction Cost										\$755.28	\$15,664,611	\$15,433,054	\$40,630	\$190,923	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Parking Pad	Sewer Grinder	Solar
02 41 00	DEMOLITION														
02 41 00	Saw-cut as needed & remove AC paving / concrete	41,040	SF			\$0.00	0.00	0.00	1.75	\$1.77	\$72,538	\$72,538	\$0	\$0	\$0
02 41 00	Reduce per design team	-3,815	SF			\$0.00	0.00	0.00	1.75	\$1.77	(\$6,743)	(\$6,743)	\$0	\$0	\$0
02 41 00	Minimal site demo for new parking, concrete	60,000	SF			\$0.00	0.00	0.00	0.50	\$0.51	\$30,300	\$30,300	\$0	\$0	\$0
02 41 00	Remove Trees / Landscape in (E) parking & Misc.	1	LS			\$0.00	0.00	0.00	10,000.0	\$10,100.00	\$10,100	\$10,100	\$0	\$0	\$0
02 41 00	Clear area for new security fence	770	LF			\$0.00	0.00	0.00	5.00	\$5.05	\$3,889	\$3,889	\$0	\$0	\$0
02 41 00	Remove (E) security fencing	320	LF			\$0.00	0.00	0.00	15.00	\$15.15	\$4,848	\$4,848	\$0	\$0	\$0
02 41 00	Remove (E) electrical car charger - see electrical	0				\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
02 41 00	Remove Misc. (E) electrical - allowance	1	LS			\$0.00	0.00	0.00	5,000.00	\$5,050.00	\$5,050	\$5,050	\$0	\$0	\$0
02 41 00	Protect (E) fire lane, trees, structure & utilities	1	LS	40.000	clab	\$65.70	2,500.00	1,000.00	0.00	\$7,760.46	\$7,760	\$7,760	\$0	\$0	\$0
02 41 00	Clear & Grub - new Landscape area - N/A	0	sf			\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
02 41 00	Remove (E) storm drain inlets	3	EA			\$0.00	0.00	0.00	1,250.00	\$1,262.50	\$3,788	\$3,788	\$0	\$0	\$0
02 41 00	Remove (E) storm drain lines	180	LF			\$0.00	0.00	0.00	35.00	\$35.35	\$6,363	\$6,363	\$0	\$0	\$0
02 41 00	Load and Haul-off debris	2,090	CY			\$0.00	0.00	0.00	35.00	\$35.35	\$73,867	\$73,867	\$0	\$0	\$0
02 41 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
02 41 00	Relocate (E) sheds	2	EA			\$0.00	0.00	0.00	2,500.00	\$2,525.00	\$5,050	\$5,050	\$0	\$0	\$0
02 41 00	Allowance to prepare pad for relocated sheds	2	EA			\$0.00	0.00	0.00	500.00	\$505.00	\$1,010	\$1,010	\$0	\$0	\$0
02 41 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
02 41 00															
02 41 00	DEMOLITION	SF								\$10.50	\$217,820	\$217,820	\$0	\$0	\$0
02 60 00	CONTAMINATED SITE MATERIAL REMOVAL														
02 60 00	N/A					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
02 60 00						\$0.00	0.00	0.00	0	\$0.00	\$0	\$0	\$0	\$0	\$0
02 60 00															
02 60 00	CONTAMINATED SITE MATERIAL REMOVAL	SF								\$0.00	\$0	\$0	\$0	\$0	\$0
02 70 00	FACILITY REMEDIATION	SF								\$0.00	\$0	\$0	\$0	\$0	\$0
31 00 00	EARTHWORK														
31 00 00	Fine grade bldg & parking area	101,040	SF	0.003	b6a	\$90.15	0.00	0.10	0.00	\$0.49	\$49,644	\$49,644	\$0	\$0	\$0
31 00 00	Fine grade new security fence area	770	LF	0.006	b6a	\$90.15	0.00	0.20	0.00	\$0.98	\$757	\$757	\$0	\$0	\$0
31 00 00	Fine grade new Landscape area - N/A	0	sf	0.003	b6a	\$90.15	0.00	0.10	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
31 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
31 00 00	Building Pad - excavate to 4', import fill & compaction	27,700	SF			\$0.00	0.00	0.00	6.00	\$6.06	\$167,862	\$167,862	\$0	\$0	\$0
31 00 00	Parking & Misc. area cut & fill - minimal	77,000	SF			\$0.00	0.00	0.00	1.25	\$1.26	\$97,213	\$97,213	\$0	\$0	\$0
31 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
31 00 00	Added cost of 4' cut / import at Parking & Misc. area - N/A	0	SF			\$0.00	0.00	0.00	4.75	\$0.00	\$0	\$0	\$0	\$0	\$0
31 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
31 00 00	Detention Basin	5,000	SF			\$0.00	0.00	0.00	10.00	\$10.10	\$50,500	\$50,500	\$0	\$0	\$0
31 00 00	Erosion control and SWPPP	101,040	SSF			\$0.00	0.00	0.00	0.30	\$0.30	\$30,615	\$30,615	\$0	\$0	\$0
31 00 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
31 00 00															
31 00 00	EARTHWORK	SF								\$19.12	\$396,590	\$396,590	\$0	\$0	\$0
31 60 00	SPECIAL FOUNDATIONS	CY								\$0.00	\$0	\$0	\$0	\$0	\$0
32 12 00	ASPHALT PAVING														
32 12 00	New Parking area 3.5" AC paving over 12.5" base - G1	37,225	SF	0.012	b11y	\$75.01	1.95	0.50	0.00	\$4.14	\$153,959	\$153,959	\$0	\$0	\$0
32 12 00	Add for parking sign / mark & misc.	37,225	SF			\$0.00	0.00	0.00	0.30	\$0.30	\$11,279	\$11,279	\$0	\$0	\$0
32 12 00	Reduce per design team	0	SF	0.012	b11y	\$75.01	1.95	0.50	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 12 00	Add for patch/seal/restripe	0	SF	0.003	b14	\$70.26	0.25	0.10	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 12 00	Slurry coat over (E) parking - G10	39,850	SF	0.003	b14	\$70.26	0.25	0.10	0.00	\$0.70	\$28,065	\$28,065	\$0	\$0	\$0
32 12 00	New striping at (E) parking	39,850	SF			\$0.00	0.00	0.00	0.15	\$0.15	\$6,037	\$6,037	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Parking Pad	Sewer Grinder	Solar
32 12 00	Allowance for patch & repair of add-slurry-coat-at (E) gravel fire lane at completion of work	25,150	SF		0.002 b14	\$70.26	0.20	0.20	0.00	\$0.71	\$17,734	\$17,734	\$0	\$0	\$0
32 12 00	New accessible parking & overall signage	1	LS			\$0.00	0.00	0.00	#####	\$10,100.00	\$10,100	\$10,100	\$0	\$0	\$0
32 12 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 12 00	PCC paving area 6" AC paving over 6" base - G2	7,500	SF		0.016 b11y	\$75.01	2.50	0.75	0.00	\$5.49	\$41,211	\$41,211	\$0	\$0	\$0
32 12 00	Add for parking sign / mark & misc.	7,500	SF			\$0.00	0.00	0.00	0.30	\$0.30	\$2,273	\$2,273	\$0	\$0	\$0
32 12 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 12 00	AB access road - G8	2,360	SF		0.008 b11y	\$75.01	0.85	0.25	0.00	\$2.13	\$5,020	\$5,020	\$0	\$0	\$0
32 12 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 12 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 12 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 12 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 12 00	ASPHALT PAVING	SF								\$13.29	\$275,679	\$275,679	\$0	\$0	\$0
32 13 00	CONCRETE PAVING														
32 13 00	New concrete walk - See building	0	SF		0.030 c3	\$70.90	3.95	0.50	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 13 00	New concrete at tunnel to bldg 1	0	SF		0.030 c3	\$70.90	3.95	0.50	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 13 00	Add for generator pad & Misc. site concrete	1	LS			\$0.00	0.00	0.00	5,000.00	\$5,050.00	\$5,050	\$5,050	\$0	\$0	\$0
32 13 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 13 00															
32 13 00	CONCRETE PAVING	SF								\$0.24	\$5,050	\$5,050	\$0	\$0	\$0
32 14 00	BRICK PAVERS - EXTERIOR	SF								\$0.00	\$0	\$0	\$0	\$0	\$0
32 16 00	CONCRETE CURBS AND GUTTERS														
32 16 00	Curb & gutter at the AC edge -G7	320	lf			\$0.00	0.00	0.00	19.00	\$19.19	\$6,141	\$6,141	\$0	\$0	\$0
32 16 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 16 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 16 00															
32 16 00	CONCRETE CURBS AND GUTTERS	LF								\$0.30	\$6,141	\$6,141	\$0	\$0	\$0
32 30 00	CONCRETE RAMPS AND RETAINING WALLS	SF								\$0.00	\$0	\$0	\$0	\$0	\$0
32 20 00	MISC. SITE PAVING SYSTEMS	SF								\$0.00	\$0	\$0	\$0	\$0	\$0
32 80 00	IRRIGATION														
32 80 00	Irrigation - Add + patch / replace (E)	1	LS			\$0.00	0.00	0.00	2,500.00	\$2,525.00	\$2,525	\$2,525	\$0	\$0	\$0
32 80 00	Irrigation - New including controller	5,950	SF			\$0.00	0.00	0.00	4.00	\$4.04	\$24,038	\$24,038	\$0	\$0	\$0
32 80 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 80 00															
32 80 00	IRRIGATION	SF								\$1.28	\$26,563	\$26,563	\$0	\$0	\$0
32 31 00	FENCES & GATES														
32 31 00	New security fence	475	lf			\$0.00	0.00	0.00	120.00	\$121.20	\$57,570	\$57,570	\$0	\$0	\$0
32 31 00	Manual swing Veh gate & hardware	2	ea			\$0.00	0.00	0.00	7,500.00	\$7,575.00	\$15,150	\$15,150	\$0	\$0	\$0
32 31 00	Automatic Veh gate & electrical	1	ea			\$0.00	0.00	0.00	17,500.0	\$17,675.00	\$17,675	\$17,675	\$0	\$0	\$0
32 31 00	Man gate - N/A	0	ea			\$0.00	0.00	0.00	3,500.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 31 00	New security fence at tunnel to bldg 1	180	lf			\$0.00	0.00	0.00	120.00	\$121.20	\$21,816	\$21,816	\$0	\$0	\$0
32 31 00	Man gate - N/A	0	ea			\$0.00	0.00	0.00	3,500.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 31 00	New fence at emergency generator	120	lf			\$0.00	0.00	0.00	85.00	\$85.85	\$10,302	\$10,302	\$0	\$0	\$0
32 31 00	Man gate	1	ea			\$0.00	0.00	0.00	1,950.00	\$1,969.50	\$1,970	\$1,970	\$0	\$0	\$0
32 31 00	Vehicle gate - TBD					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 31 00	Add wrought iron fence for reduced wall height	0	LF			\$0.00	0.00	0.00	85.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 31 00															
32 31 00	FENCES & GATES	LF								\$6.00	\$124,483	\$124,483	\$0	\$0	\$0
12 93 00	SITE FURNISHINGS														
12 93 00	Signage - Building & Directional	1	LS			\$0.00	0.00	0.00	10,000.0	\$10,100.00	\$10,100	\$10,100	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Parking Pad	Sewer Grinder	Solar
12 93 00	Allowance for site furniture N/A					\$0.00	0.00	0.00	0.0	\$0.00	\$0	\$0	\$0	\$0	\$0
12 93 00	Trash enclosure - N/A					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
12 93 00	Overhang / Canopy - N/A					\$0.00	0.00	0.00	75.00	\$0.00	\$0	\$0	\$0	\$0	\$0
12 93 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
12 93 00	Structural overhang & footing at tunnel to bldg 1	805 SF				\$0.00	0.00	0.00	75.00	\$75.75	\$60,979	\$60,979	\$0	\$0	\$0
12 93 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
12 93 00	Structural overhang & footing at parking area for Solar	13,100 SF				\$0.00	0.00	0.00	50.00	\$50.50	\$661,550	\$0	\$0	\$0	\$661,550
12 93 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
12 93 00															
12 93 00	SITE FURNISHINGS	SF								\$35.32	\$732,629	\$71,079	\$0	\$0	\$661,550
32 92 00	TURF	SF								\$0.00	\$0	\$0	\$0	\$0	\$0
32 93 00	LANDSCAPE														
32 93 00	Landscape, Plant & Tree + patch / replace (E) - 5,950 SF	1 LS				\$0.00	0.00	0.00	25,000.0	\$25,250.00	\$25,250	\$25,250	\$0	\$0	\$0
32 93 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 93 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
32 93 00															
32 93 00	LANDSCAPE	SF								\$1.22	\$25,250	\$25,250	\$0	\$0	\$0
13 30 00	SPECIAL STRUCTURES - VE														
13 30 00	Add landscape and irrigation systems to base bid of ground co	-1 LS				\$0.00	0.00	0.00	#####	\$25,000.00	(\$25,000)	(\$25,000)	\$0	\$0	\$0
13 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
13 30 00	Reduce Site Lighting	-1 LS				\$0.00	0.00	0.00	#####	\$50,000.00	(\$50,000)	(\$50,000)	\$0	\$0	\$0
13 30 00															
13 30 00	SPECIAL STRUCTURES - VE	SF								(\$3.62)	(\$75,000)	(\$75,000)	\$0	\$0	\$0
33 10 00	DOMESTIC & FIRE WATER														
33 10 00	Connect FW to (E)	2 ea		16.000	b20	\$71.60	1,000.00	500.00	0.00	\$3,352.51	\$6,705	\$6,705	\$0	\$0	\$0
33 10 00	FW pipe	870 lf				\$0.00	0.00	0.00	65.00	\$65.65	\$57,116	\$57,116	\$0	\$0	\$0
33 10 00	FH	3 ea				\$0.00	0.00	0.00	4,500.00	\$4,545.00	\$13,635	\$13,635	\$0	\$0	\$0
33 10 00	BFP	1 ea		20.000	b20	\$71.60	9,800.00	650.00	0.00	\$14,318.79	\$14,319	\$14,319	\$0	\$0	\$0
33 10 00	Fire dep connection	1 ea		8.000	b20	\$71.60	650.00	100.00	0.00	\$1,676.26	\$1,676	\$1,676	\$0	\$0	\$0
33 10 00	Thrust block	10 ea				\$0.00	0.00	0.00	500.00	\$505.00	\$5,050	\$5,050	\$0	\$0	\$0
33 10 00	Bollards	4 ea				\$0.00	0.00	0.00	800.00	\$808.00	\$3,232	\$3,232	\$0	\$0	\$0
33 10 00	Relocate (E) pipes - N/A					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 10 00	Connect Water line to (E)	2 ea		12.000	b20	\$71.60	750.00	300.00	0.00	\$2,425.80	\$4,852	\$4,852	\$0	\$0	\$0
33 10 00	Add for hot tap to street Main	1 ea				\$0.00	0.00	0.00	1,800.00	\$1,818.00	\$1,818	\$1,818	\$0	\$0	\$0
33 10 00	Main Water pipe	440 lf				\$0.00	0.00	0.00	45.00	\$45.45	\$19,998	\$19,998	\$0	\$0	\$0
33 10 00	BFP	1 ea		10.000	b20	\$71.60	4,800.00	250.00	0.00	\$6,952.70	\$6,953	\$6,953	\$0	\$0	\$0
33 10 00	Water meter	1 ea				\$0.00	0.00	0.00	3,500.00	\$3,535.00	\$3,535	\$3,535	\$0	\$0	\$0
33 10 00	Thrust block	6 ea				\$0.00	0.00	0.00	500.00	\$505.00	\$3,030	\$3,030	\$0	\$0	\$0
33 10 00	Relocate (E) pipes - N/A					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 10 00															
33 10 00	DOMESTIC & FIRE WATER	LF								\$6.84	\$141,918	\$141,918	\$0	\$0	\$0
33 51 00	NATURAL GAS DISTRIBUTION														
33 51 00	Connect gas line to (E)	1 ls				\$0.00	0.00	0.00	1,500.00	\$1,515.00	\$1,515	\$1,515	\$0	\$0	\$0
33 51 00	New gas line	440 lf				\$0.00	0.00	0.00	60.00	\$60.60	\$26,664	\$26,664	\$0	\$0	\$0
33 51 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 51 00															
33 51 00	NATURAL GAS DISTRIBUTION	LF								\$1.36	\$28,179	\$28,179	\$0	\$0	\$0
33 30 00	SANITARY SEWER														



Project: County of Mendocino - Jail Expansion (SB 844)

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TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Parking Pad	Sewer Grinder	Solar
33 30 00	Connect to (E)	1	ea	8.000	b20	\$71.60	750.00	200.00	0.00	\$1,912.48	\$1,912	\$1,912	\$0	\$0	\$0
33 30 00	SS pipe, 6"	170	lf			\$0.00	0.00	0.00	75.00	\$75.75	\$12,878	\$12,878	\$0	\$0	\$0
33 30 00	SS MH	1	ea			\$0.00	0.00	0.00	5,000.00	\$5,050.00	\$5,050	\$5,050	\$0	\$0	\$0
33 30 00	SS MH - Adjust to grade, Add ADA Lid	1	ea	9.000	b20	\$71.60	600.00	235.00	0.00	\$1,875.45	\$1,875	\$1,875	\$0	\$0	\$0
33 30 00	CO to grade	4	ea			\$0.00	0.00	0.00	950.00	\$959.50	\$3,838	\$3,838	\$0	\$0	\$0
33 30 00	Relocate (E) pipes - N/A					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 30 00	In-line sewer grinder + power - complete					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 30 00	Muffin monster / grinder with back-up power - complete - N/A					\$0.00	0.00	0.00	165,000	\$0.00	\$0	\$0	\$0	\$0	\$0
33 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 30 00	SANITARY SEWER	LF								\$1.23	\$25,553	\$25,553	\$0	\$0	\$0
33 40 00	STORM SEWER														
33 40 00	Connect to (E)	2	ea			\$0.00	0.00	0.00	2,500.00	\$2,525.00	\$5,050	\$5,050	\$0	\$0	\$0
33 40 00	12" Drain pipes	588	lf			\$0.00	0.00	0.00	45.00	\$45.45	\$26,725	\$26,725	\$0	\$0	\$0
33 40 00	10" Drain pipes	63	lf			\$0.00	0.00	0.00	40.50	\$40.91	\$2,577	\$2,577	\$0	\$0	\$0
33 40 00	Lateral Drain pipes	120	lf			\$0.00	0.00	0.00	45.00	\$45.45	\$5,454	\$5,454	\$0	\$0	\$0
33 40 00	Area Drain / drop inlet	6	ea			\$0.00	0.00	0.00	2,000.00	\$2,020.00	\$12,120	\$12,120	\$0	\$0	\$0
33 40 00	SD Manhole	2	ea			\$0.00	0.00	0.00	3,250.00	\$3,282.50	\$6,565	\$6,565	\$0	\$0	\$0
33 40 00	Catch Basin	6	ea			\$0.00	0.00	0.00	1,850.00	\$1,868.50	\$11,211	\$11,211	\$0	\$0	\$0
33 40 00	Cleanout	3	ea			\$0.00	0.00	0.00	950.00	\$959.50	\$2,879	\$2,879	\$0	\$0	\$0
33 40 00	Trench drain - N/A					\$0.00	0.00	0.00	35.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 40 00	Rip Rap Swale - N/A					\$0.00	0.00	0.00	25.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 40 00	Rip Rap - N/A					\$0.00	0.00	0.00	1,500.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 40 00	Drainage swale - N/A					\$0.00	0.00	0.00	10.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 40 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 40 00	STORM SEWER	LF								\$3.50	\$72,580	\$72,580	\$0	\$0	\$0
33 60 00	HYDRONIC AND STEAM ENERGY UTILITIES	LF								\$0.00	\$0	\$0	\$0	\$0	\$0
26 30 00	EMERGENCY GENERATOR														
26 30 00	175KW, 200 KVA, 600V Genset	0	EA	120.000	r3	\$83.76	59,040.00	750.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 30 00	Add for sound enclosure - Included					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 30 00	Add for fuel tank	0	LS			\$0.00	0.00	0.00	12,500.0	\$0.00	\$0	\$0	\$0	\$0	\$0
26 30 00	Feeder to ATS - complete	0	LF	0.750	elec	\$80.62	60.00	15.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 30 00	Pull Box	0	EA			\$0.00	0.00	0.00	2,500.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 30 00	Generator pad - see concrete					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 30 00	8' tall CMU wall / footing - fence is included					\$0.00	0.00	0.00	290.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 30 00	Add for dbl gate - N/A					\$0.00	0.00	0.00	10,000.0	\$0.00	\$0	\$0	\$0	\$0	\$0
26 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 30 00	200KW,250 KVA, 120/208V Generator w/ base Tank	1	EA	80.000	r3	\$83.76	54,243.00	0.00	0.00	\$73,315.29	\$73,315	\$73,315	\$0	\$0	\$0
26 30 00	Remote Generator Control Panel	1	EA	12.000	elec	\$80.62	2,618.00	0.00	0.00	\$4,427.30	\$4,427	\$4,427	\$0	\$0	\$0
26 30 00	Generator Remote Annunciator Panel "GRAP"	1	EA	5.250	elec	\$80.62	781.25	0.00	0.00	\$1,506.86	\$1,507	\$1,507	\$0	\$0	\$0
26 30 00	Add for sound enclosure	1	ls	0.000		\$0.00	0.00	0.00	16,500.0	\$16,665.00	\$16,665	\$16,665	\$0	\$0	\$0
26 30 00	Add for 30 hrs fuel tank - total of 36 hrs running time	1	ls	0.000		\$0.00	0.00	0.00	5,699.00	\$5,755.99	\$5,756	\$5,756	\$0	\$0	\$0
26 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 30 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 30 00	EMERGENCY GENERATOR	KW								\$4.90	\$101,670	\$101,670	\$0	\$0	\$0
33 71 00	UTILITY CO CONDUCTORS	LF								\$0.00	\$0	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

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33 73 00	UTILITY CO TRANSFORMERS														
33 73 00	<i>Transformer Pad</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 73 00	PGE Transformer pad - TBD			0.000		\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 73 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 73 00	<i>Bollard barriers at transformer pad</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 73 00	Bollards - TBD			0.000		\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 73 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 73 00	<i>Note: HV Transformer assumed provided and installed by C.O.Ukiah Elec Dept.</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 73 00	<i>Transformer Pad</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 73 00	PGE Transformer pad 90 X 106	1 EA		16.850 elec		\$80.62	966.00	230.00	0.00	\$3,287.34	\$3,287	\$3,287	\$0	\$0	\$0
33 73 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 73 00	<i>Bollard barriers at transformer pad</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 73 00	4" GRC bollard	9 EA		2.664 elec		\$80.62	291.00	0.00	0.00	\$640.10	\$5,761	\$5,761	\$0	\$0	\$0
33 73 00	4" GRC bollard cap	9 EA		0.120 elec		\$80.62	3.50	0.00	0.00	\$17.49	\$157	\$157	\$0	\$0	\$0
33 73 00	6" X 36" auger @ base	9 EA		0.500 elec		\$80.62	76.11	0.00	0.00	\$145.53	\$1,310	\$1,310	\$0	\$0	\$0
33 73 00	Concrete	1 CY		1.000 elec		\$80.62	0.00	0.00	125.00	\$237.51	\$238	\$238	\$0	\$0	\$0
33 73 00	Spoils haul off site	1 CY		0.008 r3		\$83.76	0.00	0.00	95.00	\$96.87	\$97	\$97	\$0	\$0	\$0
33 73 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 73 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
33 73 00															
33 73 00	UTILITY CO TRANSFORMERS		KVA							\$0.52	\$10,850	\$10,850	\$0	\$0	\$0
26 10 00	MAIN SERVICE EQUIPMENT		AMPS							\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	DISTRIBUTION EQUIPMENT		101,040 SITESF							\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	SITE ELECTRICAL DISTRIBUTION														
26 10 00	Feeder to building, complete	0 LF		0.750 elec		\$80.62	60.00	15.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	Pull Box	0 EA				\$0.00	0.00	0.00	2,500.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	Electrical Manhole - TBD			0.000		\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	<i>Unbutton Existing HV padmount switch Note De-energize of HV system by C.O.Ukiah Elec dept.</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	<i>Undermine @ existing pad mount HV Transformer for new excavation</i>	1 LS		16.000 elec		\$80.62	0.00	0.00	0.00	\$1,780.15	\$1,780	\$1,780	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	<i>Site Utility Underground Joint Trench</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	18" X 54" excavation trench	230 LF		0.027 r3		\$83.76	0.00	4.50	0.00	\$8.44	\$1,940	\$1,940	\$0	\$0	\$0
26 10 00	Red concrete @ trench	6 CY		1.000 r3		\$83.76	140.00	0.00	0.00	\$280.95	\$1,686	\$1,686	\$0	\$0	\$0
26 10 00	Backfill compaction	51 CY		0.022 r3		\$83.76	0.00	65.00	0.00	\$79.32	\$4,045	\$4,045	\$0	\$0	\$0
26 10 00	Haul of to onsite spoils location	6 CY		0.008 R3		\$83.76	0.00	0.00	0.00	\$0.92	\$6	\$6	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	Electrical Manhole 7' X 8' X 6' Traffic Rated	1 EA		29.474 r3		\$83.76	6,650.00	375.00	385.00	\$12,093.27	\$12,093	\$12,093	\$0	\$0	\$0
26 10 00	Excavation @ manhole	29 CY		0.148 r3		\$83.76	0.00	7.55	0.00	\$26.03	\$764	\$764	\$0	\$0	\$0
26 10 00	Slurry @ manhole	16 CY		1.000 R3		\$83.76	0.00	0.00	125.00	\$241.84	\$3,826	\$3,826	\$0	\$0	\$0
26 10 00	Backfill/compaction	13 CY		0.017 R3		\$83.76	0.00	2.48	0.00	\$4.89	\$64	\$64	\$0	\$0	\$0
26 10 00	Haul of to onsite spoils location	16 CY		0.008 R3		\$83.76	0.00	0.00	45.00	\$46.37	\$742	\$742	\$0	\$0	\$0
26 10 00	Adjust existing UG pull boxes to new grade	1 EA		4.250 elec		\$80.62	0.00	0.00	0.00	\$472.85	\$473	\$473	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	Electrical Manhole 3' X 5' X 3' w/ sump	1 EA		14.286 r3		\$83.76	2,365.02	375.00	0.00	\$4,887.68	\$4,888	\$4,888	\$0	\$0	\$0
26 10 00	Excavation @ manhole	3 CY		0.148 r3		\$83.76	0.00	7.55	65.00	\$91.68	\$275	\$275	\$0	\$0	\$0
26 10 00	Backfill/compaction	2 CY		0.017 R3		\$83.76	0.00	2.48	95.00	\$100.84	\$171	\$171	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Parking Pad	Sewer Grinder	Solar
26 10 00	Haul of to onsite spoils location	8	CY	0.008	R3	\$83.76	0.00	0.00	45.00	\$46.37	\$371	\$371	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	<i>Utility Underground Primary: From existing HV Vault 951 to 12KV/480/208V Utility Co Transformer High Voltage underground cabling and Load break terminations and Testing procedures assumed by C.O.Ukiah Elec Dept.</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	1) 4" diameter EB PVC	230	LF	0.050	elec	\$80.62	1.52	0.00	0.00	\$7.36	\$1,692	\$1,692	\$0	\$0	\$0
26 10 00	4" Type EB PVC 90 degree elbow	3	EA	0.667	elec	\$80.62	28.50	0.00	0.00	\$107.87	\$324	\$324	\$0	\$0	\$0
26 10 00	4" Type EB PVC coupling	6	EA	0.000	elec	\$80.62	3.52	0.00	0.00	\$4.16	\$25	\$25	\$0	\$0	\$0
26 10 00	4" Type EB PVC adapter	0	EA	0.500	elec	\$80.62	4.25	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	4" Type EB PVC bell end	3	EA	0.667	elec	\$80.62	4.27	0.00	0.00	\$79.25	\$238	\$238	\$0	\$0	\$0
26 10 00	4" Type EB PVC 5 degree angle coupling	2	EA	0.500	elec	\$80.62	15.25	0.00	0.00	\$73.64	\$147	\$147	\$0	\$0	\$0
26 10 00	Large fire penetration seals	2	EA	0.970	r3	\$83.76	92.00	0.00	0.00	\$220.79	\$442	\$442	\$0	\$0	\$0
26 10 00	True tape/pulprope	270	LF	0.008	elec	\$80.62	0.03	0.00	0.00	\$0.93	\$250	\$250	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	<i>Utility Underground Secondary, Transformer pad to "MSS"</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	<i>Utility Underground Secondary Conductors assumed furnished by Utility Co.</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	4) 4" diameter EB PVC	10	LF	0.200	elec	\$80.62	6.10	0.00	0.00	\$29.46	\$295	\$295	\$0	\$0	\$0
26 10 00	4" Type EB PVC 90 degree elbow	12	EA	0.667	elec	\$80.62	28.50	0.00	0.00	\$107.87	\$1,294	\$1,294	\$0	\$0	\$0
26 10 00	4" PVC coated GRC 90 degree elbow	4	EA	2.105	elec	\$80.62	178.00	0.00	0.00	\$444.44	\$1,778	\$1,778	\$0	\$0	\$0
26 10 00	4" Type EB PVC coupling	24	EA	0.000	elec	\$80.62	3.52	0.00	0.00	\$4.16	\$100	\$100	\$0	\$0	\$0
26 10 00	4" Type EB PVC adapter	4	EA	0.500	elec	\$80.62	4.25	0.00	0.00	\$60.65	\$243	\$243	\$0	\$0	\$0
26 10 00	4" Type EB PVC bell end	4	EA	0.667	elec	\$80.62	4.27	0.00	0.00	\$79.25	\$317	\$317	\$0	\$0	\$0
26 10 00	4" Type EB PVC 5 degree angle coupling	4	EA	0.500	elec	\$80.62	15.25	0.00	0.00	\$73.64	\$295	\$295	\$0	\$0	\$0
26 10 00	Base spacers	8	EA	0.308	elec	\$80.62	2.04	0.00	0.00	\$36.68	\$293	\$293	\$0	\$0	\$0
26 10 00	Large fire penetration seals	8	EA	0.970	r3	\$83.76	92.00	0.00	0.00	\$220.79	\$1,766	\$1,766	\$0	\$0	\$0
26 10 00	True tape/pulprope	80	LF	0.008	elec	\$80.62	0.03	0.00	0.00	\$0.93	\$74	\$74	\$0	\$0	\$0
26 10 00	18" X 54" excavation trench	10	LF	0.027	r3	\$83.76	0.00	4.50	0.00	\$8.44	\$84	\$84	\$0	\$0	\$0
26 10 00	Red concrete @ trench	1	CY	1.000	r3	\$83.76	140.00	0.00	0.00	\$280.95	\$281	\$281	\$0	\$0	\$0
26 10 00	Backfill compaction	2	CY	0.022	r3	\$83.76	0.00	65.00	0.00	\$79.32	\$119	\$119	\$0	\$0	\$0
26 10 00	Haul of to onsite spoils location	1	CY	0.008	R3	\$83.76	0.00	0.00	0.00	\$0.92	\$1	\$1	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	<i>"MSS" to Normal Distribution 600 amp Normal feeders "NDB"</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	2) 4" Sch 40 PVC w/ 4) #350 MCM, 1) #1 CU	110	LF	0.752	elec	\$80.62	94.24	0.00	0.00	\$194.98	\$21,447	\$21,447	\$0	\$0	\$0
26 10 00	2) 4" PVC coated GRC w/ 4) #350 MCM, 1) #1 CU	10	LF	1.284	elec	\$80.62	170.84	0.00	0.00	\$344.64	\$3,446	\$3,446	\$0	\$0	\$0
26 10 00	4" PVC 90 degree elbow	4	EA	1.333	elec	\$80.62	20.50	0.00	0.00	\$172.52	\$690	\$690	\$0	\$0	\$0
26 10 00	4" PVC coated GRC 90 degree elbow	4	EA	2.105	elec	\$80.62	178.00	0.00	0.00	\$444.44	\$1,778	\$1,778	\$0	\$0	\$0
26 10 00	4" PVC female adapter	4	EA	0.727	elec	\$80.62	6.20	0.00	0.00	\$88.21	\$353	\$353	\$0	\$0	\$0
26 10 00	Base spacers	27	EA	0.308	elec	\$80.62	2.04	0.00	0.00	\$36.68	\$990	\$990	\$0	\$0	\$0
26 10 00	<i>600 amp Emergency feeders "ATS EQ to EM Board EEQ"</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	2) 4" Sch 40 PVC w/ 4) #350 MCM, 1) #1 CU	110	LF	0.752	elec	\$80.62	94.24	0.00	0.00	\$194.98	\$21,447	\$21,447	\$0	\$0	\$0
26 10 00	2) 4" PVC coated GRC w/ 4) #350 MCM, 1) #1 CU	10	LF	1.284	elec	\$80.62	170.84	0.00	0.00	\$344.64	\$3,446	\$3,446	\$0	\$0	\$0
26 10 00	4" PVC 90 degree elbow	4	EA	1.333	elec	\$80.62	20.50	0.00	0.00	\$172.52	\$690	\$690	\$0	\$0	\$0
26 10 00	4" PVC coated GRC 90 degree elbow	4	EA	2.105	elec	\$80.62	178.00	0.00	0.00	\$444.44	\$1,778	\$1,778	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Parking Pad	Sewer Grinder	Solar
26 10 00	4" PVC female adapter	4	EA	0.727	elec	\$80.62	6.20	0.00	0.00	\$88.21	\$353	\$353	\$0	\$0	\$0
26 10 00	Intermediate spacers	27	EA	0.308	elec	\$80.62	2.04	0.00	0.00	\$36.68	\$990	\$990	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	250 amp Emergency feeders "ATS LS to Life Safety Board ELS"					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	4" Sch 40 PVC w/ 4) #350 MCM, 1) #4 CU	110	LF	0.366	elec	\$80.62	46.11	0.00	0.00	\$95.21	\$10,473	\$10,473	\$0	\$0	\$0
26 10 00	4" PVC coated GRC w/ 4) #350 MCM, 1) #4 CU	5	LF	0.632	elec	\$80.62	84.41	0.00	0.00	\$170.03	\$850	\$850	\$0	\$0	\$0
26 10 00	4" PVC 90 degree elbow	4	EA	1.333	elec	\$80.62	20.50	0.00	0.00	\$172.52	\$690	\$690	\$0	\$0	\$0
26 10 00	4" PVC coated GRC 90 degree elbow	4	EA	2.105	elec	\$80.62	178.00	0.00	0.00	\$444.44	\$1,778	\$1,778	\$0	\$0	\$0
26 10 00	4" PVC female adapter	4	EA	0.727	elec	\$80.62	6.20	0.00	0.00	\$88.21	\$353	\$353	\$0	\$0	\$0
26 10 00	Intermediate spacers	27	EA	0.308	elec	\$80.62	2.04	0.00	0.00	\$36.68	\$990	\$990	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	Joint trench for Feeders from Electrical Yard to Electric Room X2:					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	18" X 48" excavation trench	110	LF	0.018	elec	\$80.62	0.00	0.00	6.55	\$8.62	\$948	\$948	\$0	\$0	\$0
26 10 00	Sand Bedding	3	CY	0.008	r3	\$83.76	32.80	0.00	95.00	\$135.62	\$407	\$407	\$0	\$0	\$0
26 10 00	Backfill compaction	25	CY	0.022	r3	\$83.76	0.00	65.00	0.00	\$79.32	\$1,943	\$1,943	\$0	\$0	\$0
26 10 00	Haul of to onsite spoils location	3	CY	0.008	R3	\$83.76	0.00	0.00	0.00	\$0.92	\$3	\$3	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	600 amp Emergency feeders "EDB to ATS EQ" Note : Joint Trench with 250 amp Emergency feeders "EDB to ATS LS"					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	2) 4" Sch 40 PVC w/ 4) #350 MCM, 1) #1 CU	20	LF	0.752	elec	\$80.62	94.24	0.00	0.00	\$194.98	\$3,900	\$3,900	\$0	\$0	\$0
26 10 00	2) 4" PVC coated GRC w/ 4) #350 MCM, 1) #1 CU	10	LF	1.284	elec	\$80.62	170.84	0.00	0.00	\$344.64	\$3,446	\$3,446	\$0	\$0	\$0
26 10 00	4" PVC 90 degree elbow	4	EA	1.333	elec	\$80.62	20.50	0.00	0.00	\$172.52	\$690	\$690	\$0	\$0	\$0
26 10 00	4" PVC coated GRC 90 degree elbow	4	EA	2.105	elec	\$80.62	178.00	0.00	0.00	\$444.44	\$1,778	\$1,778	\$0	\$0	\$0
26 10 00	4" PVC female adapter	4	EA	0.727	elec	\$80.62	6.20	0.00	0.00	\$88.21	\$353	\$353	\$0	\$0	\$0
26 10 00	Base spacers	3	EA	0.308	elec	\$80.62	2.04	0.00	0.00	\$36.68	\$110	\$110	\$0	\$0	\$0
26 10 00	18" X 48" excavation trench	20	LF	0.018	elec	\$80.62	0.00	0.00	6.55	\$8.62	\$172	\$172	\$0	\$0	\$0
26 10 00	Sand Bedding	1	CY	0.008	r3	\$83.76	32.80	0.00	95.00	\$135.62	\$68	\$68	\$0	\$0	\$0
26 10 00	Backfill compaction	2	CY	0.022	r3	\$83.76	0.00	65.00	0.00	\$79.32	\$159	\$159	\$0	\$0	\$0
26 10 00	Haul of to onsite spoils location	1	CY	0.008	R3	\$83.76	0.00	0.00	0.00	\$0.92	\$1	\$1	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	250 amp Emergency feeders "EDB to ATS LS"					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	4" Sch 40 PVC w/ 4) #350 MCM, 1) #4 CU	20	LF	0.366	elec	\$80.62	46.11	0.00	0.00	\$95.21	\$1,904	\$1,904	\$0	\$0	\$0
26 10 00	4" PVC coated GRC w/ 4) #350 MCM, 1) #4 CU	5	LF	0.632	elec	\$80.62	84.41	0.00	0.00	\$170.03	\$850	\$850	\$0	\$0	\$0
26 10 00	4" PVC 90 degree elbow	2	EA	1.333	elec	\$80.62	20.50	0.00	0.00	\$172.52	\$345	\$345	\$0	\$0	\$0
26 10 00	4" PVC coated GRC 90 degree elbow	2	EA	2.105	elec	\$80.62	178.00	0.00	0.00	\$444.44	\$889	\$889	\$0	\$0	\$0
26 10 00	4" PVC female adapter	2	EA	0.727	elec	\$80.62	6.20	0.00	0.00	\$88.21	\$176	\$176	\$0	\$0	\$0
26 10 00	Intermediate spacers	3	EA	0.308	elec	\$80.62	2.04	0.00	0.00	\$36.68	\$110	\$110	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	600 amp Emergency feeders "EDB to ATS EQ" Note : Joint Trench with 250 amp Emergency feeders "EDB to ATS LS"					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	2) 4" Sch 40 PVC w/ 4) #350 MCM, 1) #1 CU	20	LF	0.752	elec	\$80.62	94.24	0.00	0.00	\$194.98	\$3,900	\$3,900	\$0	\$0	\$0
26 10 00	2) 4" PVC coated GRC w/ 4) #350 MCM, 1) #1 CU	10	LF	1.284	elec	\$80.62	170.84	0.00	0.00	\$344.64	\$3,446	\$3,446	\$0	\$0	\$0
26 10 00	4" PVC 90 degree elbow	4	EA	1.333	elec	\$80.62	20.50	0.00	0.00	\$172.52	\$690	\$690	\$0	\$0	\$0
26 10 00	4" PVC coated GRC 90 degree elbow	4	EA	2.105	elec	\$80.62	178.00	0.00	0.00	\$444.44	\$1,778	\$1,778	\$0	\$0	\$0
26 10 00	4" PVC female adapter	4	EA	0.727	elec	\$80.62	6.20	0.00	0.00	\$88.21	\$353	\$353	\$0	\$0	\$0
26 10 00	Base spacers	3	EA	0.308	elec	\$80.62	2.04	0.00	0.00	\$36.68	\$110	\$110	\$0	\$0	\$0
26 10 00	18" X 48" excavation trench	20	LF	0.018	elec	\$80.62	0.00	0.00	6.55	\$8.62	\$172	\$172	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

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Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Parking Pad	Sewer Grinder	Solar
26 10 00	Sand Bedding	1	CY	0.008	r3	\$83.76	32.80	0.00	95.00	\$135.62	\$68	\$68	\$0	\$0	\$0
26 10 00	Backfill compaction	2	CY	0.022	r3	\$83.76	0.00	65.00	0.00	\$79.32	\$159	\$159	\$0	\$0	\$0
26 10 00	Haul of to onsite spoils location	1	CY	0.008	R3	\$83.76	0.00	0.00	0.00	\$0.92	\$1	\$1	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	250 amp Emergency feeders "EDB to ATS LS"					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	4" Sch 40 PVC w/ 4) #350 MCM, 1) #4 CU	20	LF	0.366	elec	\$80.62	46.11	0.00	0.00	\$95.21	\$1,904	\$1,904	\$0	\$0	\$0
26 10 00	4" PVC coated GRC w/ 4) #350 MCM, 1) #4 CU	5	LF	0.632	elec	\$80.62	84.41	0.00	0.00	\$170.03	\$850	\$850	\$0	\$0	\$0
26 10 00	4" PVC 90 degree elbow	2	EA	1.333	elec	\$80.62	20.50	0.00	0.00	\$172.52	\$345	\$345	\$0	\$0	\$0
26 10 00	4" PVC coated GRC 90 degree elbow	2	EA	2.105	elec	\$80.62	178.00	0.00	0.00	\$444.44	\$889	\$889	\$0	\$0	\$0
26 10 00	4" PVC female adapter	2	EA	0.727	elec	\$80.62	6.20	0.00	0.00	\$88.21	\$176	\$176	\$0	\$0	\$0
26 10 00	Intermediate spacers	3	EA	0.308	elec	\$80.62	2.04	0.00	0.00	\$36.68	\$110	\$110	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	New Sewer Grinder power (Note: Not Shown Sheet E1-01).					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	Sewer Grinder: 30a, 208v, 1PH fused disconnect switch N3R	0	EA	2.581	elec	\$80.62	395.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	Sewer Grinder, 3.0HP motor, N3R 30amp connections	0	EA	1.778	elec	\$80.62	23.46	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	1) 1" PVC, w/3) #10 CU	0	LF	0.102	elec	\$80.62	3.19	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	Branch power trench 18" X 36"	0	LF	0.018	elec	\$80.62	0.00	0.00	2.55	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	Backfill/compaction	0	CY	0.022	r3	\$83.76	0.00	0.00	65.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	"MSS" to Generator Block heater and battery charger: (Note joint trench).					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	Bell box w/WP blank cover	1	EA	0.676	elec	\$80.62	14.74	0.00	0.00	\$92.62	\$93	\$93	\$0	\$0	\$0
26 10 00	3/4" Flex w/ 3) #12 ,1) #12 Cu	6	LF	0.101	elec	\$80.62	2.46	0.00	0.00	\$14.13	\$85	\$85	\$0	\$0	\$0
26 10 00	3/4" flex connectors	2	EA	0.160	elec	\$80.62	6.55	0.00	0.00	\$25.54	\$51	\$51	\$0	\$0	\$0
26 10 00	3/4" flex connectors 90 degree	2	EA	0.160	elec	\$80.62	7.60	0.00	0.00	\$26.78	\$54	\$54	\$0	\$0	\$0
26 10 00	3/4" Sch 40 PVC w/ 4#10 CU	100	LF	0.095	elec	\$80.62	1.19	0.00	0.00	\$11.97	\$1,197	\$1,197	\$0	\$0	\$0
26 10 00	3/4" PVC coated GRC 90 degree elbow	2	EA	0.200	elec	\$80.62	0.00	0.00	2.55	\$24.83	\$50	\$50	\$0	\$0	\$0
26 10 00	3/4" PVC female adapter	2	EA	0.333	elec	\$80.62	15.25	4.50	0.00	\$60.38	\$121	\$121	\$0	\$0	\$0
26 10 00	3/4" EMT 3) #10 CU	10	LF	0.084	elec	\$80.62	1.29	0.00	0.00	\$10.85	\$109	\$109	\$0	\$0	\$0
26 10 00	3/4" EMT connectors	2	EA	0.073	elec	\$80.62	4.05	0.00	0.00	\$12.91	\$26	\$26	\$0	\$0	\$0
26 10 00	3/4" EMT straps	3	EA	0.018	elec	\$80.62	0.21	0.00	0.00	\$2.25	\$7	\$7	\$0	\$0	\$0
26 10 00	Fire penetration seals	1	EA	0.190	elec	\$80.62	0.49	0.00	0.00	\$21.72	\$22	\$22	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	Generator Emergency stop and Annunciator controls from Electric yard to Annunciator panel (Note joint trench).					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	Bell box w/WP blank cover	2	EA	0.676	elec	\$80.62	14.74	0.00	0.00	\$92.62	\$185	\$185	\$0	\$0	\$0
26 10 00	20amp Contactor	1	EA	2.220	elec	\$80.62	355.00	0.00	0.00	\$666.29	\$666	\$666	\$0	\$0	\$0
26 10 00	Emergency stop mushroom button	1	EA	0.727	elec	\$80.62	209.16	0.00	0.00	\$327.93	\$328	\$328	\$0	\$0	\$0
26 10 00	4" X 4" back box with cover	1	EA	0.960	elec	\$80.62	10.75	0.00	0.00	\$119.51	\$120	\$120	\$0	\$0	\$0
26 10 00	3/4" Flex w/ 3) #12 ,1) #12 Cu	6	LF	0.101	elec	\$80.62	2.46	0.00	0.00	\$14.13	\$85	\$85	\$0	\$0	\$0
26 10 00	3/4" flex connectors	2	EA	0.160	elec	\$80.62	6.55	0.00	0.00	\$25.54	\$51	\$51	\$0	\$0	\$0
26 10 00	3/4" flex connectors 90 degree	2	EA	0.160	elec	\$80.62	7.60	0.00	0.00	\$26.78	\$54	\$54	\$0	\$0	\$0
26 10 00	3/4" Sch 40 PVC w/ 4#10 CU	110	LF	0.095	elec	\$80.62	1.19	0.00	0.00	\$11.97	\$1,317	\$1,317	\$0	\$0	\$0
26 10 00	3/4" PVC coated GRC 90 degree elbow	2	EA	0.200	elec	\$80.62	0.00	0.00	2.55	\$24.83	\$50	\$50	\$0	\$0	\$0
26 10 00	3/4" PVC female adapter	2	EA	0.333	elec	\$80.62	15.25	4.50	0.00	\$60.38	\$121	\$121	\$0	\$0	\$0
26 10 00	3/4" EMT 3) #10 CU	10	LF	0.084	elec	\$80.62	1.29	0.00	0.00	\$10.85	\$109	\$109	\$0	\$0	\$0
26 10 00	3/4" EMT connectors	2	EA	0.073	elec	\$80.62	4.05	0.00	0.00	\$12.91	\$26	\$26	\$0	\$0	\$0
26 10 00	3/4" EMT straps	3	EA	0.018	elec	\$80.62	0.21	0.00	0.00	\$2.25	\$7	\$7	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Parking Pad	Sewer Grinder	Solar
26 10 00	1" Sch 40 PVC	110	LF	0.064	elec	\$80.62	2.09	0.00	0.00	\$9.59	\$1,055	\$1,055	\$0	\$0	\$0
26 10 00	1" PVC 90 degree elbow	2	EA	0.250	elec	\$80.62	1.57	0.00	2.55	\$32.24	\$64	\$64	\$0	\$0	\$0
26 10 00	1" PVC coated GRC 90 degree elbow	2	EA	0.145	elec	\$80.62	9.35	4.50	0.00	\$32.49	\$65	\$65	\$0	\$0	\$0
26 10 00	1" PVC female adapter	2	EA	0.211	elec	\$80.62	0.66	0.00	0.00	\$24.26	\$49	\$49	\$0	\$0	\$0
26 10 00	Camera Cat 6A 4-pr copper cable	240	LF	0.016	elec	\$80.62	0.30	0.00	2.55	\$4.71	\$1,130	\$1,130	\$0	\$0	\$0
26 10 00	Camera Cat 6A 4-pr copper termination	32	EA	0.300	elec	\$80.62	0.10	4.50	0.00	\$38.81	\$1,242	\$1,242	\$0	\$0	\$0
26 10 00	Camera Cat 6A 4-pr copper testing w-documentation	32	EA	0.500	elec	\$80.62	0.25	0.00	0.00	\$55.92	\$1,790	\$1,790	\$0	\$0	\$0
26 10 00	Camera Cat 6A 4-pr copper labeling	32	EA	0.200	elec	\$80.62	0.20	0.00	0.00	\$22.49	\$720	\$720	\$0	\$0	\$0
26 10 00	Fire penetration seals	32	EA	0.190	elec	\$80.62	0.49	0.00	0.00	\$21.72	\$695	\$695	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	Site lighting trench 12" X 36"	110	LF	0.018	elec	\$80.62	0.00	0.00	2.55	\$4.58	\$504	\$504	\$0	\$0	\$0
26 10 00	Backfill/compaction	12	CY	0.022	R3	\$83.76	0.00	0.00	65.00	\$68.19	\$818	\$818	\$0	\$0	\$0
26 10 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 10 00	SITE ELECTRICAL DISTRIBUTION	101,040	SITESF							\$7.81	\$161,988	\$161,988	\$0	\$0	\$0
26 56 00	SITE LIGHTING														
26 56 00	<i>Site lighting & control (No Site Pole Lighting shown at this time)</i>					\$0.00	0.00	0.00		\$0.00	\$0	\$0	\$0	\$0	\$0
26 56 00	<i>Allowance for minimal</i>	77,000	SF			\$0.00	0.00	0.00	1.50	\$1.52	\$116,655	\$116,655	\$0	\$0	\$0
26 56 00	<i>Breezeway to Existing Jail Lighting</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 56 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 56 00	Type A5: 1 X 4 , LED, surface hard lid max security, wet label	7	EA	1.500	elec	\$80.62	925.00	0.00	0.00	\$1,259.43	\$8,816	\$8,816	\$0	\$0	\$0
26 56 00	Bell box w/WP round ring	7	EA	0.676	elec	\$80.62	14.74	0.00	0.00	\$92.62	\$648	\$648	\$0	\$0	\$0
26 56 00	3/4" EMT 3) #12 CU	280	LF	0.084	elec	\$80.62	1.29	0.00	0.00	\$10.85	\$3,039	\$3,039	\$0	\$0	\$0
26 56 00	3/4" EMT connectors	14	EA	0.073	elec	\$80.62	4.05	0.00	0.00	\$12.91	\$181	\$181	\$0	\$0	\$0
26 56 00	3/4" EMT straps	18	EA	0.018	elec	\$80.62	0.21	0.00	0.00	\$2.25	\$41	\$41	\$0	\$0	\$0
26 56 00	Fire penetration seals	2	EA	0.190	elec	\$80.62	0.49	0.00	0.00	\$21.72	\$43	\$43	\$0	\$0	\$0
26 56 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 56 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 56 00	SITE LIGHTING	101,040	SITESF							\$6.24	\$129,423	\$129,423	\$0	\$0	\$0
26 65 00	SITE GROUNDING														
26 65 00	Allowance for minimal	0	SF			\$0.00	0.00	0.00	0.50	\$0.00	\$0	\$0	\$0	\$0	\$0
26 65 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 65 00	Transformer Grounding									\$0.00	\$0	\$0	\$0	\$0	\$0
26 65 00	3/4" X 10' Copper Ground Rod	3	EA	1.818	elec	\$80.62	39.00	0.00	0.00	\$248.33	\$745	\$745	\$0	\$0	\$0
26 65 00	#1/0 insulated CU	30	LF	0.024	elec	\$80.62	2.54	0.00	0.00	\$5.70	\$171	\$171	\$0	\$0	\$0
26 65 00	#1/0 2 hole ground lug	3	EA	0.457	elec	\$80.62	5.85	0.00	0.00	\$57.76	\$173	\$173	\$0	\$0	\$0
26 65 00	#1/0 exothermic welds	6	EA	1.089	elec	\$80.62	9.89	0.00	0.00	\$132.84	\$797	\$797	\$0	\$0	\$0
26 65 00	Grounding trench 12" X 36"	30	LF	0.018	elec	\$80.62	0.00	0.00	2.55	\$4.58	\$137	\$137	\$0	\$0	\$0
26 65 00	Backfill/compaction	3	CY	0.017	R3	\$83.76	0.00	2.48	0.00	\$4.89	\$16	\$16	\$0	\$0	\$0
26 65 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 65 00	Generator yard Grounding									\$0.00	\$0	\$0	\$0	\$0	\$0
26 65 00	Ground Rod Well w/ cast iron lid	2	EA	0.500	elec	\$80.62	115.50	0.00	0.00	\$192.05	\$384	\$384	\$0	\$0	\$0
26 65 00	3/4" X 10' Copper Ground Rod	4	EA	1.818	elec	\$80.62	39.00	0.00	0.00	\$248.33	\$993	\$993	\$0	\$0	\$0
26 65 00	#4/0 bare CU	150	LF	0.028	elec	\$80.62	4.60	0.00	0.00	\$8.55	\$1,282	\$1,282	\$0	\$0	\$0
26 65 00	#2/0 bare CU	40	LF	0.022	elec	\$80.62	2.91	0.00	0.00	\$5.91	\$236	\$236	\$0	\$0	\$0
26 65 00	#4/0 exothermic welds	5	EA	1.143	elec	\$80.62	11.55	0.00	0.00	\$140.81	\$704	\$704	\$0	\$0	\$0
26 65 00	#2/0 exothermic welds	9	EA	1.123	elec	\$80.62	10.93	0.00	0.00	\$137.85	\$1,241	\$1,241	\$0	\$0	\$0
26 65 00	#4/0 ground rod clamps	0	EA	1.333	elec	\$80.62	49.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Parking Pad	Sewer Grinder	Solar
26 65 00	#4/0 ground rod connector	4	EA	1.270	elec	\$80.62	51.00	0.00	0.00	\$201.54	\$806	\$806	\$0	\$0	\$0
26 65 00	#4/0 compression lug	2	EA	0.727	elec	\$80.62	8.90	0.00	0.00	\$91.40	\$183	\$183	\$0	\$0	\$0
26 65 00	#1/0 ground clamps	0	EA	1.180	elec	\$80.62	36.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 65 00	#2/0 2 hole ground lug	3	EA	0.450	elec	\$80.62	27.10	0.00	0.00	\$82.08	\$246	\$246	\$0	\$0	\$0
26 65 00	Grounding trench 12" X 36"	190	LF	0.018	elec	\$80.62	0.00	0.00	2.55	\$4.58	\$870	\$870	\$0	\$0	\$0
26 65 00	Backfill/compaction	9	CY	0.022	R3	\$83.76	0.00	0.00	65.00	\$68.19	\$614	\$614	\$0	\$0	\$0
26 65 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 65 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 65 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 65 00	SITE GROUNDING	101,040	SITESF							\$0.46	\$9,599	\$9,599	\$0	\$0	\$0
26 60 00	SOLAR SYSTEM & ELECTRICAL CAR CHARGER														
26 60 00	Unbutton and remove existing EV charger & Panel	2	EA	8.000	elec	\$80.62	50.00	0.00	0.00	\$949.13	\$1,898	\$1,898	\$0	\$0	\$0
26 60 00	Allowance to demo & remove footing, feeders & conduit	2	EA	4.000	elec	\$80.62	50.00	150.00	0.00	\$681.26	\$1,363	\$1,363	\$0	\$0	\$0
26 60 00	Reinstall EV charger & Panel	2	EA	16.000	elec	\$80.62	1,250.00	100.00	0.00	\$3,374.67	\$6,749	\$6,749	\$0	\$0	\$0
26 60 00	Add for footing, feeders & conduit	2	EA	8.000	elec	\$80.62	500.00	150.00	0.00	\$1,657.80	\$3,316	\$3,316	\$0	\$0	\$0
26 60 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 60 00	Solar panel over parking overhang	13,100	SF	0.080	elec	\$80.62	18.60	0.65	0.00	\$31.64	\$414,450	\$0	\$0	\$0	\$414,450
26 60 00	Add for panels & convertors	13,100	SF	0.005	elec	\$80.62	0.95	0.00	0.00	\$1.68	\$21,987	\$0	\$0	\$0	\$21,987
26 60 00	Add for infrastructure - Conduit & feeder to (E) General Service	150	LF	0.500	elec	\$80.62	80.00	20.00	0.00	\$173.74	\$26,061	\$0	\$0	\$0	\$26,061
26 60 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 60 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
26 60 00	SOLAR SYSTEM & ELECTRICAL CAR CHARGER	101,040	SITESF							\$22.94	\$475,823	\$13,326	\$0	\$0	\$462,498
27 50 00	LOW VOLTAGE DISTRIBUTION														
27 50 00	Connect to (E)	ea				\$0.00	0.00	0.00	1,500.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	Communications - Data / FA / Phone- complete	LF				\$0.00	0.00	0.00	110.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	Site Underground communications Demolition					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	Undermine @ existing communications pull box for conduit removal	2	EA	4.050	elec	\$80.62	0.00	0.00	0.00	\$450.60	\$901	\$901	\$0	\$0	\$0
27 50 00	18" X 36" excavation trench	230	LF	0.027	r3	\$83.76	0.00	2.55	0.00	\$6.13	\$1,411	\$1,411	\$0	\$0	\$0
27 50 00	Backfill compaction	38	CY	0.022	r3	\$83.76	0.00	65.00	0.00	\$79.32	\$3,014	\$3,014	\$0	\$0	\$0
27 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	Remove existing underground communication conduit pull box and cabling (Assumed as 3")					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	Cut back conduits demo pull box	1	EA	2.550	elec	\$80.62	0.00	0.00	0.00	\$283.71	\$284	\$284	\$0	\$0	\$0
27 50 00	3" Sch 40 PVC w/ pull rope	160	LF	0.067	elec	\$80.62	0.00	0.00	0.00	\$7.45	\$1,193	\$1,193	\$0	\$0	\$0
27 50 00	3 " PVC coated GRC 90 degree elbow	2	EA	1.905	elec	\$80.62	0.00	0.00	0.00	\$211.95	\$424	\$424	\$0	\$0	\$0
27 50 00	3" GRC ground bushing	2	EA	0.444	elec	\$80.62	0.00	0.00	0.00	\$49.40	\$99	\$99	\$0	\$0	\$0
27 50 00	3" PVC female adapter	2	EA	0.444	elec	\$80.62	0.00	0.00	0.00	\$49.40	\$99	\$99	\$0	\$0	\$0
27 50 00	3 " EMT	10	LF	0.160	elec	\$80.62	0.00	0.00	0.00	\$17.80	\$178	\$178	\$0	\$0	\$0
27 50 00	3 " EMT connector	2	EA	0.296	elec	\$80.62	0.00	0.00	0.00	\$32.93	\$66	\$66	\$0	\$0	\$0
27 50 00	3 " EMT straps	3	EA	0.060	elec	\$80.62	0.00	0.00	0.00	\$6.68	\$20	\$20	\$0	\$0	\$0
27 50 00	Remove CAT3 terminations for cable removal	50	EA	0.120	elec	\$80.62	0.00	0.00	0.00	\$13.35	\$668	\$668	\$0	\$0	\$0
27 50 00	CAT3 OSP 25pair cable demo	200	LF	0.027	elec	\$80.62	0.00	0.00	0.00	\$2.97	\$593	\$593	\$0	\$0	\$0
27 50 00	Remove Fiber terminations for cable removal	32	EA	0.120	elec	\$80.62	0.00	0.00	0.00	\$13.35	\$427	\$427	\$0	\$0	\$0
27 50 00	Single mode 16 Strand Fiber Optic cable removal	200	LF	0.012	elec	\$80.62	0.00	0.00	0.00	\$1.33	\$267	\$267	\$0	\$0	\$0
27 50 00	Fiber termination unit	1	EA	4.200	elec	\$80.62	0.00	0.00	0.00	\$467.29	\$467	\$467	\$0	\$0	\$0
27 50 00	Site Communications Utility Underground Trench partial Joint Trench with Electrical Utilities underground (Pullbox #1 to New Jail Expansion)					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	18" X 48" excavation trench	200	LF	0.027	r3	\$83.76	0.00	4.50	0.00	\$8.44	\$1,687	\$1,687	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Parking Pad	Sewer Grinder	Solar
27 50 00	Red concrete @ trench	6	CY	1.000	r3	\$83.76	140.00	0.00	0.00	\$280.95	\$1,686	\$1,686	\$0	\$0	\$0
27 50 00	Backfill compaction	38	CY	0.022	r3	\$83.76	0.00	65.00	0.00	\$79.32	\$3,014	\$3,014	\$0	\$0	\$0
27 50 00	Haul of to onsite spoils location	6	CY	0.008	R3	\$83.76	0.00	0.00	45.00	\$46.37	\$278	\$278	\$0	\$0	\$0
27 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	Site Underground communications					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	ATT Manhole 4' X 5' X 5' Traffic Rated	2	EA	14.286	r3	\$83.76	1,200.00	375.00	385.00	\$3,900.50	\$7,801	\$7,801	\$0	\$0	\$0
27 50 00	Excavation @ manhole	22	CY	0.148	r3	\$83.76	0.00	7.55	0.00	\$26.03	\$573	\$573	\$0	\$0	\$0
27 50 00	Slurry @ manhole	14	CY	1.000	R3	\$83.76	0.00	0.00	125.00	\$241.84	\$3,386	\$3,386	\$0	\$0	\$0
27 50 00	Backfill/compaction	8	CY	0.017	R3	\$83.76	0.00	2.48	0.00	\$4.89	\$39	\$39	\$0	\$0	\$0
27 50 00	Haul of to onsite spoils location	14	CY	0.008	R3	\$83.76	0.00	0.00	45.00	\$46.37	\$649	\$649	\$0	\$0	\$0
27 50 00	Adjust existing UG pull boxes to new grade	0	EA	4.250	elec	\$80.62	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	2) 3" from Assumed existing ATT Vault to new pull box #1?					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	3" Sch 40 PVC w/ pull rope	460	LF	0.067	elec	\$80.62	3.33	0.00	0.00	\$11.39	\$5,238	\$5,238	\$0	\$0	\$0
27 50 00	3" PVC 90 degree elbow	2	EA	0.889	elec	\$80.62	12.70	0.00	0.00	\$113.91	\$228	\$228	\$0	\$0	\$0
27 50 00	3" PVC field bend	4	EA	0.615	elec	\$80.62	0.00	0.00	0.00	\$68.42	\$274	\$274	\$0	\$0	\$0
27 50 00	Base spacers	115	EA	0.308	elec	\$80.62	2.04	0.00	0.00	\$36.68	\$4,218	\$4,218	\$0	\$0	\$0
27 50 00	3" PVC coated GRC 90 degree elbow	2	EA	1.905	elec	\$80.62	132.00	0.00	0.00	\$367.86	\$736	\$736	\$0	\$0	\$0
27 50 00	3" GRC ground bushing	2	EA	0.444	elec	\$80.62	3.50	0.00	0.00	\$53.53	\$107	\$107	\$0	\$0	\$0
27 50 00	3" PVC female adapter	2	EA	0.444	elec	\$80.62	3.50	0.00	0.00	\$53.53	\$107	\$107	\$0	\$0	\$0
27 50 00	3" PVC bell end	2	EA	0.444	elec	\$80.62	3.50	0.00	0.00	\$53.53	\$107	\$107	\$0	\$0	\$0
27 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	4) 3" from new pull box #1 to new pull box #2??					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	3" Sch 40 PVC w/ pull rope	440	LF	0.067	elec	\$80.62	3.33	0.00	0.00	\$11.39	\$5,011	\$5,011	\$0	\$0	\$0
27 50 00	3" PVC 90 degree elbow	8	EA	0.889	elec	\$80.62	12.70	0.00	0.00	\$113.91	\$911	\$911	\$0	\$0	\$0
27 50 00	3" PVC field bend	4	EA	0.615	elec	\$80.62	0.00	0.00	0.00	\$68.42	\$274	\$274	\$0	\$0	\$0
27 50 00	Base/ intermediate spacers	200	EA	0.308	elec	\$80.62	2.04	0.00	0.00	\$36.68	\$7,335	\$7,335	\$0	\$0	\$0
27 50 00	3" PVC coated GRC 90 degree elbow	4	EA	1.905	elec	\$80.62	132.00	0.00	0.00	\$367.86	\$1,471	\$1,471	\$0	\$0	\$0
27 50 00	3" GRC ground bushing	4	EA	0.444	elec	\$80.62	3.50	0.00	0.00	\$53.53	\$214	\$214	\$0	\$0	\$0
27 50 00	3" PVC female adapter	4	EA	0.444	elec	\$80.62	3.50	0.00	0.00	\$53.53	\$214	\$214	\$0	\$0	\$0
27 50 00	3" PVC bell end	12	EA	0.444	elec	\$80.62	3.50	0.00	0.00	\$53.53	\$642	\$642	\$0	\$0	\$0
27 50 00	3" EMT	20	LF	0.160	elec	\$80.62	11.05	0.00	0.00	\$30.85	\$617	\$617	\$0	\$0	\$0
27 50 00	3" EMT connector	8	EA	0.296	elec	\$80.62	97.00	0.00	0.00	\$147.50	\$1,180	\$1,180	\$0	\$0	\$0
27 50 00	3" EMT straps	8	EA	0.060	elec	\$80.62	2.20	0.00	0.00	\$9.27	\$74	\$74	\$0	\$0	\$0
27 50 00	12" strut rack	2	EA	0.458	elec	\$80.62	14.00	0.00	0.00	\$67.49	\$135	\$135	\$0	\$0	\$0
27 50 00	3" EMT EZ path fire seal	0	EA	1.455	elec	\$80.62	171.29	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	8" X 24" X 24" N3R pull box	1	EA	2.667	elec	\$80.62	161.00	0.00	0.00	\$486.89	\$487	\$487	\$0	\$0	\$0
27 50 00	110 Block terminal blocks	1	EA	0.350	elec	\$80.62	16.95	0.00	0.00	\$58.96	\$59	\$59	\$0	\$0	\$0
27 50 00	Single mode 16 Strand Fiber Optic cable weatherproof	250	LF	0.012	elec	\$80.62	0.25	0.00	0.00	\$1.62	\$406	\$406	\$0	\$0	\$0
27 50 00	Fiber termination unit	1	EA	4.200	elec	\$80.62	80.85	0.00	0.00	\$562.78	\$563	\$563	\$0	\$0	\$0
27 50 00	CAT3 OSP 25pair cable	250	LF	0.027	elec	\$80.62	1.88	0.00	0.00	\$5.19	\$1,297	\$1,297	\$0	\$0	\$0
27 50 00	CAT3 OSP 25pair cable splice case	1	EA	1.550	elec	\$80.62	99.95	0.00	0.00	\$290.51	\$291	\$291	\$0	\$0	\$0
27 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	Reroute underground communications conduit and cabling					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	N36 Pull box Traffic rated	1	EA	2.500	elec	\$80.62	179.74	0.00	0.00	\$490.44	\$490	\$490	\$0	\$0	\$0
27 50 00	3" Sch 40 PVC w/ pull rope	200	LF	0.067	elec	\$80.62	3.33	0.00	0.00	\$11.39	\$2,278	\$2,278	\$0	\$0	\$0
27 50 00	3" PVC 90 degree elbow	2	EA	0.889	elec	\$80.62	12.70	0.00	0.00	\$113.91	\$228	\$228	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	MH CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Parking Pad	Sewer Grinder	Solar
27 50 00	3" PVC field bend	2	EA	0.615	elec	\$80.62	0.00	0.00	0.00	\$68.42	\$137	\$137	\$0	\$0	\$0
27 50 00	3 " PVC coated GRC 90 degree elbow	1	EA	1.905	elec	\$80.62	132.00	0.00	0.00	\$367.86	\$368	\$368	\$0	\$0	\$0
27 50 00	3" GRC ground bushing	1	EA	0.444	elec	\$80.62	3.50	0.00	0.00	\$53.53	\$54	\$54	\$0	\$0	\$0
27 50 00	3" PVC female adapter	1	EA	0.444	elec	\$80.62	3.50	0.00	0.00	\$53.53	\$54	\$54	\$0	\$0	\$0
27 50 00	3 " EMT	10	LF	0.160	elec	\$80.62	11.05	0.00	0.00	\$30.85	\$309	\$309	\$0	\$0	\$0
27 50 00	3 " EMT connector	2	EA	0.296	elec	\$80.62	97.00	0.00	0.00	\$147.50	\$295	\$295	\$0	\$0	\$0
27 50 00	3 " EMT straps	3	EA	0.060	elec	\$80.62	2.20	0.00	0.00	\$9.27	\$28	\$28	\$0	\$0	\$0
27 50 00	CAT3 OSP 25pair cable	240	LF	0.027	elec	\$80.62	1.88	0.00	0.00	\$5.19	\$1,245	\$1,245	\$0	\$0	\$0
27 50 00	Single mode 16 Strand Fiber Optic cable weatherproof	240	LF	0.012	elec	\$80.62	0.25	0.00	0.00	\$1.62	\$390	\$390	\$0	\$0	\$0
27 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	<i>Future Tie in of Site Communications to existing visitor intake Building</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	3 " EMT	230	LF	0.160	elec	\$80.62	11.05	0.00	0.00	\$30.85	\$7,096	\$7,096	\$0	\$0	\$0
27 50 00	3 " EMT connector	4	EA	0.296	elec	\$80.62	102.00	0.00	0.00	\$153.41	\$614	\$614	\$0	\$0	\$0
27 50 00	3 " EMT 90 degree elbow	6	EA	0.889	elec	\$80.62	48.50	0.00	0.00	\$156.19	\$937	\$937	\$0	\$0	\$0
27 50 00	3 " EMT straps	29	EA	0.060	elec	\$80.62	2.20	0.00	0.00	\$9.27	\$269	\$269	\$0	\$0	\$0
27 50 00	12" strut rack	29	EA	0.458	elec	\$80.62	14.00	0.00	0.00	\$67.49	\$1,957	\$1,957	\$0	\$0	\$0
27 50 00	3" EMT EZ path fire seal	3	EA	1.455	elec	\$80.62	171.29	0.00	0.00	\$364.20	\$1,093	\$1,093	\$0	\$0	\$0
27 50 00	12" X 12" X 6" N1 Srew cover pull box	1	EA	1.600	elec	\$80.62	28.09	0.00	0.00	\$211.19	\$211	\$211	\$0	\$0	\$0
27 50 00	3" core at intake bulding	1	EA	0.500	elec	\$80.62	0.00	0.00	245.00	\$303.08	\$303	\$303	\$0	\$0	\$0
27 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	<i>Future Tie in of Site Underground Fire Alarm to existing- visitor intake Building</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	2 " EMT	0	LF	0.100	elec	\$80.62	4.02	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	2" EMT connector	0	EA	0.160	elec	\$80.62	30.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	2" EMT 90 degree elbow	0	EA	0.400	elec	\$80.62	13.40	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	2" EMTstraps	0	EA	0.030	elec	\$80.62	0.94	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	12" strut rack	0	EA	0.458	elec	\$80.62	14.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	2" EMT EZ path fire seal	0	EA	1.320	elec	\$80.62	156.30	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	12" X 12" X 6" N1 Srew cover pull box	0	EA	1.600	elec	\$80.62	28.09	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	2" core at intake bulding	0	EA	0.500	elec	\$80.62	0.00	0.00	210.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	<i>FACP to Generator</i>					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	Bell box w/WP blank cover	1	EA	0.676	elec	\$80.62	14.74	0.00	0.00	\$92.62	\$93	\$93	\$0	\$0	\$0
27 50 00	3/4" Seal Tite Flex	3	LF	0.101	elec	\$80.62	2.46	0.00	0.00	\$14.13	\$42	\$42	\$0	\$0	\$0
27 50 00	3/4"Seal Tite flex connectors	1	EA	0.160	elec	\$80.62	6.55	0.00	0.00	\$25.54	\$26	\$26	\$0	\$0	\$0
27 50 00	3/4"Seal Tite flex connectors 90 degree	1	EA	0.160	elec	\$80.62	7.60	0.00	0.00	\$26.78	\$27	\$27	\$0	\$0	\$0
27 50 00	1 " Sch 40 PVC	110	LF	0.064	elec	\$80.62	2.09	0.00	0.00	\$9.59	\$1,055	\$1,055	\$0	\$0	\$0
27 50 00	1 " PVC 90 degree elbow	5	EA	0.250	elec	\$80.62	1.57	0.00	0.00	\$29.67	\$148	\$148	\$0	\$0	\$0
27 50 00	1 " PVC coated GRC 90 degree elbow	2	EA	0.145	elec	\$80.62	9.35	0.00	0.00	\$27.18	\$54	\$54	\$0	\$0	\$0
27 50 00	1 " PVC female adapter	2	EA	0.211	elec	\$80.62	0.66	0.00	0.00	\$24.26	\$49	\$49	\$0	\$0	\$0
27 50 00	2 conductor#16 FLP cable	130	LF	0.010	elec	\$80.62	0.18	0.00	0.00	\$1.33	\$172	\$172	\$0	\$0	\$0
27 50 00	2 conductor#16 FLP cable termination	4	EA	0.050	elec	\$80.62	0.10	0.00	0.00	\$5.68	\$23	\$23	\$0	\$0	\$0
27 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00	12" X 36" excavation trench	110	LF	0.018	elec	\$80.62	0.00	0.00	2.55	\$4.58	\$504	\$504	\$0	\$0	\$0
27 50 00	Backfill compaction	12	CY	0.022	elec	\$80.62	0.00	0.00	65.00	\$68.10	\$817	\$817	\$0	\$0	\$0
27 50 00	N9 Christy box	1	EA	2.500	elec	\$80.62	99.12	0.00	0.00	\$395.22	\$395	\$395	\$0	\$0	\$0
27 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0
27 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

		MH		MH		UNIT		UNIT		UNIT		TOTAL					
TRADE	DESCRIPTION	QTY	UNIT	/ UNIT	CREW	COST	MATL	EQUIP	SUB	COST	COST - SUB	Base Bid	Parking Pad	Sewer Grinder	Solar		
27 50 00						\$0.00	0.00	0.00	0.00								
27 50 00	LOW VOLTAGE DISTRIBUTION	101,040	SITESF							\$4.01	\$83,177	\$83,177	\$0	\$0	\$0	\$0	
28 50 00	SITE SECURITY SYSTEMS																
28 50 00	Site Security around building							0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00	Security Fence Post mounted Fixed Weatherproof Camera	7	EA		7.250 elec	\$80.62	930.50	250.00	0.00	\$2,200.95	\$15,407	\$15,407	\$0	\$0	\$0	\$0	\$0
28 50 00	Site Security - Sheds							0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00	Security Fence Post mounted Fixed Weatherproof Camera	3	EA		7.250 elec	\$80.62	930.50	250.00	0.00	\$2,200.95	\$6,603	\$6,603	\$0	\$0	\$0	\$0	\$0
28 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00	Pedestal intercom station	2	EA		6.500 elec	\$80.62	1,100.00	0.00	0.00	\$2,022.42	\$4,045	\$4,045	\$0	\$0	\$0	\$0	\$0
28 50 00	Loop detectors	4	EA		12.000 elec	\$80.62	685.00	0.00	590.00	\$2,740.08	\$10,960	\$10,960	\$0	\$0	\$0	\$0	\$0
28 50 00	Pedestal card reader	2	EA		6.500 elec	\$80.62	1,200.00	0.00	0.00	\$2,140.53	\$4,281	\$4,281	\$0	\$0	\$0	\$0	\$0
28 50 00	Door/gate monitoring	0	EA		20.000 elec	\$80.62	2,500.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00	Controlled and monitored door with door position switch	0	EA		2.000 elec	\$80.62	316.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00	Security power									\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00	1) 1" PVC, w/3) #10 CU	210	LF		0.102 elec	\$80.62	3.19	0.00	0.00	\$15.16	\$3,184	\$3,184	\$0	\$0	\$0	\$0	\$0
28 50 00	1) 1" PVC, w/3) #6 CU	20	LF		0.115 elec	\$80.62	4.35	0.00	0.00	\$17.96	\$359	\$359	\$0	\$0	\$0	\$0	\$0
28 50 00	1) 2" PVC, w/3) #8CU	670	LF		0.165 elec	\$80.62	6.50	0.00	0.00	\$26.04	\$17,446	\$17,446	\$0	\$0	\$0	\$0	\$0
28 50 00	1) 2" PVC, w/4) #8CU	0	LF		0.175 elec	\$80.62	6.94	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00	1) 2" PVC, w/4) #10CU	0	LF		0.167 elec	\$80.62	6.32	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00	Base and intermediate spacers	0	EA		0.216 elec	\$80.62	2.04	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00	1) 1" PVC, w/pullrope gate control	390	LF		0.086 elec	\$80.62	2.49	0.00	0.00	\$12.55	\$4,896	\$4,896	\$0	\$0	\$0	\$0	\$0
28 50 00	1) 1" PVC, w/pullrope CCTV,Card Reader,Intecom	1,810	LF		0.086 elec	\$80.62	2.49	0.00	0.00	\$12.55	\$22,724	\$22,724	\$0	\$0	\$0	\$0	\$0
28 50 00	1) 1" PVC, w/pullrope CCTV,Card Reader,Intecom stubs	240	LF		0.086 elec	\$80.62	2.49	0.00	0.00	\$12.55	\$3,013	\$3,013	\$0	\$0	\$0	\$0	\$0
28 50 00	1) 1" PVC/ GRC, w/pullrope CCTV,Card Reader,Intecom @ poles	420	LF		0.153 elec	\$80.62	9.52	0.00	0.00	\$28.27	\$11,872	\$11,872	\$0	\$0	\$0	\$0	\$0
28 50 00	1 1/2" PVC/ GRC, w/pullrope @ cabinet	10	LF		0.186 elec	\$80.62	14.32	0.00	0.00	\$37.61	\$376	\$376	\$0	\$0	\$0	\$0	\$0
28 50 00	Site security trench 12" X 36"	4,080	LF		0.018 elec	\$80.62	0.00	0.00	2.55	\$4.58	\$18,679	\$18,679	\$0	\$0	\$0	\$0	\$0
28 50 00	Backfill/compaction	453	CY		0.017 R3	\$83.76	0.00	2.48	0.00	\$4.89	\$2,217	\$2,217	\$0	\$0	\$0	\$0	\$0
28 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00	Future Tie in of Site Underground Security to existing visitor intake Building					\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00	2 " EMT	230	LF		0.100 elec	\$80.62	4.02	0.00	0.00	\$15.87	\$3,651	\$3,651	\$0	\$0	\$0	\$0	\$0
28 50 00	2" EMT connector	4	EA		0.160 elec	\$80.62	30.00	0.00	0.00	\$53.24	\$213	\$213	\$0	\$0	\$0	\$0	\$0
28 50 00	2" EMT 90 degree elbow	6	EA		0.400 elec	\$80.62	13.40	0.00	0.00	\$60.33	\$362	\$362	\$0	\$0	\$0	\$0	\$0
28 50 00	2" EMTstraps	29	EA		0.030 elec	\$80.62	0.94	0.00	0.00	\$4.45	\$129	\$129	\$0	\$0	\$0	\$0	\$0
28 50 00	12" strut rack	29	EA		0.458 elec	\$80.62	14.00	0.00	0.00	\$67.49	\$1,957	\$1,957	\$0	\$0	\$0	\$0	\$0
28 50 00	2" EMT EZ path fire seal	3	EA		1.320 elec	\$80.62	156.30	0.00	0.00	\$331.47	\$994	\$994	\$0	\$0	\$0	\$0	\$0
28 50 00	12" X 12" X 6" N1 Srew cover pull box	1	EA		1.600 elec	\$80.62	28.09	0.00	0.00	\$211.19	\$211	\$211	\$0	\$0	\$0	\$0	\$0
28 50 00	2" core at intake bulding	1	EA		0.500 elec	\$80.62	0.00	0.00	210.00	\$267.73	\$268	\$268	\$0	\$0	\$0	\$0	\$0
28 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00						\$0.00	0.00	0.00	0.00	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 50 00						\$0.00	0.00	0.00	0.00								
28 50 00	SITE SECURITY SYSTEMS	101,040	SITESF							\$6.45	\$133,848	\$133,848	\$0	\$0	\$0	\$0	\$0
Grand Total Subtotal subcontractor cost											\$149.94	\$3,109,813	\$1,985,765	\$0	\$0	\$1,124,048	
General Conditions											10.00%	\$14.99	\$310,981	\$198,577	\$0	\$0	\$112,405
General Contractor Markup											5.00%	\$8.25	\$171,040	\$109,217	\$0	\$0	\$61,823



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Parking Pad	Sewer Grinder	Solar
	General Contractor Bond & Insurance	2.50%								\$4.33	\$89,796	\$57,339	\$0	\$0	\$32,457
	Design / Estimate Contingency	6.00%								\$10.65	\$220,898	\$141,054	\$0	\$0	\$79,844
	Phasing	0.00%								\$0.00	\$0	\$0	\$0	\$0	\$0
	Working Within Secured Perimeter	0.00%								\$0.00	\$0	\$0	\$0	\$0	\$0
	Market / Geographical Factor	3.00%								\$5.64	\$117,076	\$74,759	\$0	\$0	\$42,317
	Current Construction Cost									\$193.81	\$4,019,604	\$2,566,711	\$0	\$0	\$1,452,894



Project: County of Mendocino - Jail Expansion (SB 844)

Title: Design Development Estimate

Date: April 1, 2019 & revised on June 4, 2019

TRADE	DESCRIPTION	QTY	UNIT	MH / UNIT	CREW	MH COST	UNIT MATL	UNIT EQUIP	UNIT SUB	UNIT COST	TOTAL COST - SUB	Base Bid	Parking Pad	Sewer Grinder	Solar	
2	Existing Conditions									\$10.50	\$217,820	\$217,820	\$0	\$0	\$0	
3	Concrete									\$0.00	\$0	\$0	\$0	\$0	\$0	
4	Masonry									\$0.00	\$0	\$0	\$0	\$0	\$0	
5	Metals									\$0.00	\$0	\$0	\$0	\$0	\$0	
6	Wood, Plastics & Composites									\$0.00	\$0	\$0	\$0	\$0	\$0	
7	Thermal & Moisture Protection									\$0.00	\$0	\$0	\$0	\$0	\$0	
8	Openings									\$0.00	\$0	\$0	\$0	\$0	\$0	
9	Finishes									\$0.00	\$0	\$0	\$0	\$0	\$0	
10	Specialties									\$0.00	\$0	\$0	\$0	\$0	\$0	
11	Equipment									\$0.00	\$0	\$0	\$0	\$0	\$0	
12	Furnishings									\$35.32	\$732,629	\$71,079	\$0	\$0	\$661,550	
13	Special Construction									(\$3.62)	(\$75,000)	(\$75,000)	\$0	\$0	\$0	
14	Conveying Systems									\$0.00	\$0	\$0	\$0	\$0	\$0	
21	Fire Suppression									\$0.00	\$0	\$0	\$0	\$0	\$0	
22	Plumbing									\$0.00	\$0	\$0	\$0	\$0	\$0	
23	HVAC									\$0.00	\$0	\$0	\$0	\$0	\$0	
25	Integrated Automation									\$0.00	\$0	\$0	\$0	\$0	\$0	
26	Electrical									\$42.36	\$878,504	\$416,006	\$0	\$0	\$462,498	
27	Communications									\$4.01	\$83,177	\$83,177	\$0	\$0	\$0	
28	Electronic Safety and Security									\$6.45	\$133,848	\$133,848	\$0	\$0	\$0	
31	Earthwork									\$19.12	\$396,590	\$396,590	\$0	\$0	\$0	
32	Exterior Improvements									\$22.33	\$463,165	\$463,165	\$0	\$0	\$0	
33	Utilities									\$13.46	\$279,080	\$279,080	\$0	\$0	\$0	
34	Transportation									\$0.00	\$0	\$0	\$0	\$0	\$0	
Subtotal											\$149.94	\$3,109,813	\$1,985,765	\$0	\$0	\$1,124,048
	General Conditions	10.00%								\$14.99	\$310,981	\$198,577	\$0	\$0	\$112,405	
	General Contractor Markup	5.00%								\$8.25	\$171,040	\$109,217	\$0	\$0	\$61,823	
	General Contractor Bond & Insurance	2.50%								\$4.33	\$89,796	\$57,339	\$0	\$0	\$32,457	
	Design / Estimate Contingency	6.00%								\$10.65	\$220,898	\$141,054	\$0	\$0	\$79,844	
	Phasing	0.00%								\$0.00	\$0	\$0	\$0	\$0	\$0	
	Working Within Secured Perimeter	0.00%								\$0.00	\$0	\$0	\$0	\$0	\$0	
	Market / Geographical Factor	3.00%								\$5.64	\$117,076	\$74,759	\$0	\$0	\$42,317	
Current Construction Cost											\$193.81	\$4,019,604	\$2,566,711	\$0	\$0	\$1,452,894

MARKUPS

Job Information	
JOBDES	County of Mendocino - Jail Expansion (SB 844)
JOBDES2	Design Development Estimate
JOBGC	Nacht & Lewis
JOBLOC	Mendocino County, CA
JOBSTA	
Estimate Date	April 1, 2019
Revision Date	June 4, 2019
Escalation Date	October 4, 2021
Mark-ups	
Labor Supervision	15.0%
Labor Markup	20.0%
Material Markup	10.0%
Equipment Markup	10.0%
Subcontractor Markup	1.0%
General Contractor Markup	5.0%
General Contractor Overhead	10.0%
Sales Tax	7.375%
Contractor Bond	2.50%
Design / Estimate Contingency	6.0%
Phasing	0.0%
Working Within Secured Perimeter	0.0%
Market / Geographical Factor	3.0%
Annual Escalation Rate	5.04%
Escalation	12.9%
Areas	
Site Area	101,040 sf
Building Area	20,740 sf
Recyard & secured staff yard	3,550 sf
Area under catwalk	1,390 sf
CMU	120.00%
GB	110.00%
Roof Area	17,460 sf
Estimators	
Lead Estimator	
Mech Estimator	
Electrical Estimator	

MARKUPS

Main Level Housing	17,460 SF			
Admin	Included			
Subtotal	17,460 SF			
Tier Level w/ Balcony	3,280 SF			
Total	20,740 SF			
Balcony (included)	840 SF			
Exterior Yards	2,205 SF			
Secured Staff Courtyard & Entry	1320			
Subtotal	3,525 SF			
Add	25 SF			
Use	3,550 SF			
Grated Catwalk - utility				
Housing	1,390 SF			
For Tier level				
Subtotal	1,390 SF			
Use	1,390 SF			
Area of Solar		13,100 SF		
Site Area	101,040 SF			
Building Foot print	17,460 SF			
Recyard & Staff courtyard	3,550 SF			
Area under catwalk	2,130 SF			
New Paving	66,000 SF			
New walkway	7,850 SF			
Tunnel to Bldg 1	805 SF			
Area N of staff courtyard	1180			
Emergency Gen & Misc	2,065 SF			
Estimate Date	4/1/2019			
Bidding / NTP	1/27/2021	22 month		
Construction Start	1/27/2021	667 Days	22 month	
Construction Completion	5/22/2022	480 Days	16 month	
Mid point of Construction	9/24/2021	240 Days	8 month	

MARKUPS

[illegible]