



ARCHITECTURAL/ENGINEERING COST SUMMARY SCHEDULE "B" DESIGN PHASE

PROJECT NAME: Construction of New SRE Building
 PROJ DESCRIPTION Final Design

DATE: 16-Apr-24
 A/E: C & S ENGINEERS, INC.
 PROJECT NO: N03.006.001
 C&S CONTACT: Mike Holdwick and Amy Sonbuchni

CLIENT: Livingston County Spencer J. Hardy Airport
 CLIENT LEAD: Mark Johnson

I. ESTIMATE OF DIRECT SALARY COSTS:

	TITLE	BILLING RATE (\$/HR)	@	ESTIMATED HOURS		ESTIMATED COST
D.	Service Group Manager	\$285.00	X	22	=	\$6,270.00
E.	Department Manager	\$281.00	X	8	=	\$2,248.00
E.	Senior Principal	\$265.00	X	8	=	\$2,120.00
F.	Principal Engineer	\$261.00	X	28	=	\$7,308.00
H.	Chief Engineer	\$230.00	X	73	=	\$16,790.00
I.	Senior Project Engineer	\$200.00	X	30	=	\$6,000.00
J.	Project Engineer	\$175.00	X	135	=	\$23,625.00
M.	Principal Architect	\$225.00	X	110	=	\$24,750.00
Q.	Architect	\$156.00	X	193	=	\$30,108.00
BU.	Office Coordinator	\$100.00	X	12	=	\$1,200.00

TOTAL ESTIMATED DIRECT SALARY COST: **\$120,419.00**

II. ESTIMATE OF DIRECT EXPENSES:

A.	TRAVEL, BY AUTO:	4 TRIPS @	60 MILES/TRIP @	\$0.670	=	\$160.80
B.	WEEKLY RENTAL CAR		0 WEEKS @	\$725.00	=	\$0.00
C.	TOLLS		0 WEEKS @	\$30.00	=	\$0.00
D.	TRAVEL, BY AIR:	4 TRIPS @	1 PERSONS @	\$500.00	=	\$2,000.00
E.	PER DIEM:	8 DAYS @	1 PERSONS @	\$184.00	=	\$1,472.00
F.	PERMIT FEES				=	\$0.00
G.	MISCELLANEOUS:				=	\$0.00

TOTAL ESTIMATE OF DIRECT EXPENSES: **\$3,632.80**

III. SUBCONTRACTS:

A. MEP CONSULTANT **\$30,900.00**

IV. TOTALS:

A. MAXIMUM TOTAL COST FOR SERVICES, AGREEMENT TOTAL & FAA ELIGIBLE: **\$154,951.80**



C&S ENGINEERS, INC.
ARCHITECTURAL/ENGINEERING
WORK SUMMARY

PROJECT: Construction of New SRE Building
 SERVICES: Final Design
 CLIENT: Livingston County Spencer J. Hardy Airport
 CLIENT LEAD: Mark Johnson

Date: 4/16/24
 Service Group Mgr: Kelly Jost
 Client Relations Manager: Mike Holdwick
 Project Manager: Amy Sonbuchner
 Project Number: N03.006.001

CONT NO.	PHASE NO.	TASK	SERV GROUP MGR	DEPT MAN	SR PRIN	PRIN ENG	CHIEF ENG	SR PROJ ENG	PROJ ENG	PRIN ARCH	ARCH	OFF COORD	DIRECT COSTS	SERVICES BY OTHERS	TOTALS	TOTAL HOURS PER TASK
100	100	Project Management														
		101 Coordination with Funding Agencies				4	10				8				\$5,144.00	22
		102 Oversee Construction Budget and Inform Sponsor					8				2				\$2,290.00	10
		103 Perform Project Management Duties									12				\$2,700.00	12
		104 Prepare Monthly Project Status Reports									8				\$1,800.00	8
		105 Coordinate Project Schedules					4				1				\$1,145.00	5
		106 Oversee Design Schedule									4				\$900.00	4
200	200	Preliminary Design														
		201 Prepare Preliminary Contract Drawings						5	50		24				\$13,494.00	79
		202 Develop Draft CSPP					8				4				\$2,464.00	12
		203 Prepare Front End and Technical Specs to FAA Standards					4	16	16	20					\$10,320.00	56
		204 Update Fee Estimate	2				2	4	2	4					\$2,744.00	14
		205 Prepare Design Report						2	2	8					\$2,048.00	12
		206 Perform Internal Quality Control	4		4		4			8	2				\$5,232.00	22
		207 Submit Design Documents						1			4				\$799.00	5
		208 Prepare Project Overview Handouts for Meetings									4				\$624.00	4
		209 Attend Airport Tenant/Stakeholder Meetings					8	6		8	4				\$5,464.00	26
300	300	Final Design														
		301 Finalize Three-Dimensional Building and Site Designs									12				\$1,872.00	12
		302 Finalize Architectural Design									30				\$4,680.00	30
		303 Finalize Interior Design									8				\$1,248.00	8
		304 Finalize Structural Design			4				48						\$9,460.00	52
		305.1 Finalize Mechanical Design (HVAC)		8											\$2,248.00	8
		305.2 Finalize Electrical Design (Power/lighting, comm, fire alarm)						6							\$1,200.00	6
		305.3 Finalize Plumbing Design (plumbing, fire protection)														
		306 Finalize CSPP					4								\$920.00	4
		307 Assist in Submission of OE/AAA					1								\$230.00	1
		308 Update Fee Estimate	2					2	2	2	2				\$2,082.00	10
		309 Finalize Front End and Technical Specifications	4					8	8	12	30				\$9,920.00	54
		310 Finalize Design Report						2	2		8				\$1,998.00	12
		311 Perform Final Internal Quality Control Review	10				4			9	4				\$6,419.00	27
		312 Submit Bid Documents to Sponsor									8				\$1,248.00	8
		313 Prepare for and attend Periodic and Design Review Meetings					8			8	6				\$4,576.00	22
320	320	AIP Programming and Reporting (SRE Building)														
		321 Revise Vehicle and Equipment Layouts									4				\$624.00	4
		322 Finalize AIP Eligibility Analysis Determination				10									\$2,610.00	10
		323 Prepare Final AIP Eligibility Analysis and Submit to Sponsor				10									\$2,610.00	10
		324 Meet with Sponsor, MDOT and FAA to Review Findings				4									\$1,044.00	4
330	330	Bid Phase														
		331 Assist in Advertisement and Issuance of Bid Documents										8			\$800.00	8
		332 Receive and Respond to Bidder Questions					3	3	2	2	4				\$2,714.00	14
		333 Coordinate Pre-Bid Conference and Prepare Minutes					3			3					\$1,365.00	6
		334 Prepare Addenda					3			3	3				\$1,833.00	9
		335 Attend Bid Opening, Perform Bid Reviews					2								\$460.00	2
		336 Prepare Final Bid Tab and Recommendation of Award										2			\$200.00	2
		337 Prepare Contract for Submittal to Airport					1					2			\$430.00	3
		338 Coordinate NTP and Contact FAA for Permission to Issue					2								\$460.00	2
		Direct Expenses														
600	600	Direct Expenses											\$3,632.80		\$3,632.80	
700	700	Subconsultants														
		Mechanical, Electrical, Plumbing												\$30,900.00	\$30,900.00	
			22	8	8	28	73	30	135	110	193	12	\$3,632.80	\$30,900.00	\$154,951.80	619