



PROPOSAL for
Professional Services for

Public Works Facility and Site Improvement Project Fee Proposal

City of Hudson, Ohio

June 11, 2024





BRANDSTETTER CARROLL INC

ARCHITECTS + ENGINEERS + PLANNERS

1220 W. 6th Street, Suite 300
Cleveland, Ohio 44113

June 11, 2024

LEXINGTON
859.268.1933

CINCINNATI
513.651.4224

CLEVELAND
216.241.4480

DALLAS
469.941.4926

DENTON
940.387.8182

NORMAN
405.360.0810

Mr. Thomas J. Sheridan
City Manager
City of Hudson
1140 Terex Road
Hudson, Ohio 44236

Re: FEE PROPOSAL for Public Works Facility and Site Improvement Project Design

Dear Mr. Sheridan and Project Team,

Thank you so much for short-listing Brandstetter Carroll Inc. (BCI) and requesting this Proposal for the City of Hudson Public Works Facility. We have reviewed the RFP and supplemental information provided by the City, and offer the following Proposal for Professional Services.

Our team remains the same as in our qualifications statement:

Architecture: Brandstetter Carroll Inc. (BCI)
Structural Engineering: Barber & Hoffman, Inc. (B&H)
Civil Engineering: Scheeser Buckley Mayfield (SBM)
Mechanical, Electrical, Plumbing, Fire Protection, Technology Engineering: SBM
Cost Estimating: &-estimate

We have added Consultants to our team for the following:

Topographic Survey: Atwell
Wetland Delineation: Intertek PSI
Geotechnical Evaluation: Intertek PSI

The descriptions contained herein attempt to clarify our approach and the fee schedule. We welcome the opportunity to discuss this proposal in detail with you or answer any questions you may have.

The primary contact for this project is:

Nancy Nozik, AIA, Vice President
216.645.8583
nnozik@bciaep.com

Sincerely,
Brandstetter Carroll Inc.

Benjamin E. Brandstetter, P.E.
President

TABLE OF CONTENTS

SECTION 1. INSURANCE

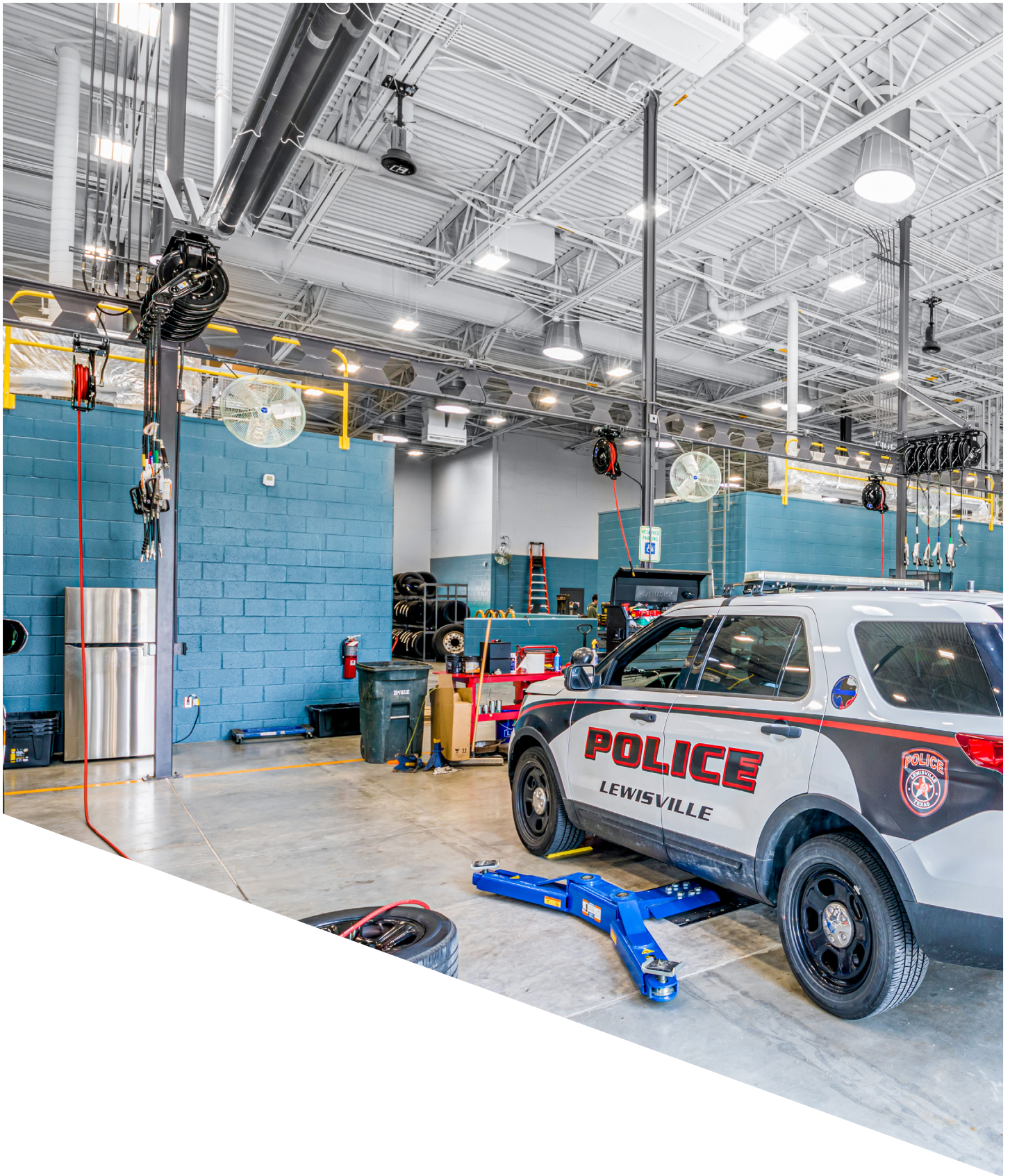
SECTION 2. PROJECT UNDERSTANDING

SECTION 3. SCHEDULE

SECTION 4. FEE

SECTION 5. MANAGEMENT SUMMARY

*Enhancing
Community and
Quality of Life*



SECTION 1. INSURANCE



BRANCAR-03

EEVERMAN

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
3/29/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Energy Insurance Agency, Inc. P O Box 55268 Lexington, KY 40555	CONTACT NAME:		
	PHONE (A/C, No, Ext): (859) 273-1549	FAX (A/C, No): (859) 272-0075	
	E-MAIL ADDRESS: eia@energyinsagency.com		
INSURED Brandstetter Carroll, Inc. 2360 Chauvin Drive Lexington, KY 40517	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A : Employers Mutual Casualty Company, EMC		21415
	INSURER B : U.S. Specialty Insurance Co.		29599
	INSURER C :		
	INSURER D :		
	INSURER E :		
	INSURER F :		

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Bkt Add'l Insured GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC <input type="checkbox"/> OTHER:			5W85769	4/23/2023	4/23/2024	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			5E85769	4/23/2023	4/23/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 0			5J85769	4/23/2023	4/23/2024	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y / N If yes, describe under DESCRIPTION OF OPERATIONS below		N / A	5H85769	4/23/2023	4/23/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Ohio Stop Gap			5W85769	4/23/2023	4/23/2024	Employers Liability \$ 1,000,000
B	Prof Liab \$2MM Agg			USS 2334260	11/27/2023	11/27/2024	\$50K Retention 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
The following applies to the Workers' Compensation coverage under Item 3.C. Other States Insurance: All States not shown in 3.A. except AK, CA, HI, LA, ME, NV, NH, ND, OH, RI, VT, WA, WY.

CERTIFICATE HOLDER

CANCELLATION

City of Hudson 1140 Terex Road Hudson, OH 44236	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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ACORD 25 (2016/03)

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SECTION 2. PROJECT UNDERSTANDING



PROJECT UNDERSTANDING

STATEMENT OF UNDERSTANDING

The City of Hudson has provided a program and concept layout for this project. The BCI Team will start with this program and conduct a series of design charrettes to refine the scope and layout of development with active participation by the Owner. The Owner has indicated that the Hudson Public Power facility may or may not be included in the final development. It would be prudent to design the site allow for this building to be added in the future. The site appears to be of adequate size to allow for the required wetland setback along the southern border, stormwater management, and buffers along the perimeter for adequate distance from surrounding residences along Hudson Drive and to the east of the property. This proposal includes a site topographic survey, a wetland delineation, and adequate geotechnical borings to direct the design of structural and pavement systems. Detailed cost estimating services are included to reflect the current construction market and allow the Owner to make informed decisions.

The program as presented by the Owner includes:

Building Development:

- Administrative Offices: 11,000sf
- Year-round Employee and Storage: 14,000sf
- Heated Garage with truck wash and vehicle wash bays: 39,750sf
- Services Fleet Garage: 9,000sf
- Cold Garage: 15,000sf
- Covered Parking: 1,000sf
- Cold Storage: 15,000-18,000sf

Site Development:

- Public, Admin, Employee Parking: 14,000sf
- Patio at Administrative Offices: 500sf
- Fuel Island with Canopy: 1,200sf
- Service Yard/Pole Yard: 65,000sf
- Vault Rescue Practice Area: 1,300sf
- Hudson Public Power Yard: 1,000sf

Optional Development:

- Hudson Public Power Building: 43,000sf

The fee proposal herein follows the detailed Scope of Services provided by the Owner. The scope adequately reflects the level of effort and public engagement required for a successful project.



SECTION 3. SCHEDULE

SCHEDULE

	PROGRAMMING						DESIGN PHASE								
Date (2024)	7/1	7/8				8/5	8/12			7/8				9/30	10/7
Wk	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Mtgs	MTG	MTG					MTG			MTG				MTG	
	Team kick-off Program Verification		Design Options/Utility Coordination				30% docs								
								Code Review							HPC BZBA
		Topographic Survey							Geotech		Cost Estimate				
		Wetland Delineation													

	CONSTRUCTION DOCUMENT PHASE																	
Date (2024/25)	10/14			11/4				12/2					1/6			1/27	2/10	
Wk	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Mtgs	MTG				MTG				MTG				MTG				MTG	
	60% docs							80% docs					90% docs		100% docs			
									Cost Est						Cost Est		Cost Est	
												Permit Review						

	BIDDING PHASE		CONSTRUCTION PHASE	
Date	2/17	2/24	03/03/25	08/28/26
			Bi-Weekly Construction Meetings	

The Owner clarified the overall completion of the design elements of this project is anticipated to be 210 calendar days, including board reviews, from the written Notice to Proceed to the submittal of final plans to the County Building Department.

If the Notice to Proceed is on July 1, 2024, 210 calendar days would be January 27, 2025, for the submission to the Building Department for permit plan review. Our schedule meets that target.



SECTION 4. FEE



FEE PROPOSAL

The detailed Fee Proposal spreadsheet is included on the next two pages showing an estimate of hours by discipline for each task as well as raw hourly rates, overhead & profit rate factor, and total hourly rates. The survey, wetland delineation, cost estimating, and geotech services are listed as lump-sum. A summary of the fees is listed below:

BASE PROJECT (OPTION 1)

Programming:	\$88,495.00
Design Phase (30% documents):	\$275,225.00
Construction Documents:	\$532,340.00
Bidding Phase:	\$13,070.00
Construction Administration:	\$187,275.00
Total Base Project:	\$1,096,405.00

HUDSON PUBLIC POWER

Assuming this building will be designed concurrently with the Base Project, and meetings will be combined.

Programming:	\$9,140.00
Design Phase (30% documents):	\$160,970.00
Construction Documents:	\$278,550.00
Bidding Phase:	\$5,215.00
Construction Administration:	\$38,730.00
Total Base Project:	\$492,605.00

PROJECT LEAD REPRESENTATIVE

The Consultant's lead project representative will attend periodic construction meetings in the Base Project fee so they remain well acquainted with the progress. For additional site meetings, these can be contracted on an as-needed hourly basis or a lump sum for a set number of meetings. For this proposal, we have assumed 16 additional site visits.

Site Visits (16):	\$20,000.00
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RESIDENT CONSTRUCTION INSPECTION

The hourly rate and day rate for BCI to provide resident inspection services are listed below.

Hourly rate:	\$100.00
Day rate:	\$700.00

Base Project	Architecture: BCI					Civil Eng: SBM		MEP Eng: SBM								Structural Eng: B&H			Surveyor: Atwell	Environ. Consultant: PSI	Cost Estimator: &estimate	Geotech: PSI	Total Hours	Task Fee	Subtotal by Phase
	Principal	Architect/ Project Mgr	Drawing Production	Construction Administrator	Clerical	Civil Engineer	Civil Designer	Mechanical Principal	Mechanical Engineer	Electrical Principal	Electrical Engineer	Plumbing Engineer	Fire Protection Engineer	Technology Engineer	MEP Designer	Principal	Structural Engineer	Drawing Production							
Raw hourly rate	\$100	\$70	\$40	\$44	\$20	\$97.5	\$75	\$97.5	\$75	\$97.5	\$75	\$75	\$75	\$97.5	\$70	\$90	\$63	\$33							
O&P rate factor	2.5	2.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5							
Total hourly rate	\$250	\$175	\$100	\$110	\$50	\$195	\$150	\$195	\$150	\$195	\$150	\$150	\$150	\$195	\$175	\$225	\$158	\$83							
BASIC SERVICES																									
Programming																									
1. Programming Meeting 1	12	8			2	4		8		8						4	4						50	\$9,930	
1. Programming Meeting 2	16	12			2	4		8		8							4						54	\$10,730	
2. Background Review Meeting	12	16				3		8		8							4						51	\$10,135	
3. Topographic Survey	2	4																	\$29,500				6	\$30,700	
3. Wetland Delineation	4	4																		\$4,500			8	\$6,200	
6. Site field review/documentation	8	16				4											28						56	\$9,990	
4. Initial utility coordination	8	24					6	6	4	6	4			6									64	\$11,810	
Subtotal Hours	62	84	0	0	4	15	6	30	4	30	4	0	0	6	0	4	40	0					289		
Subtotal Fees	\$15,500	\$14,700	\$0	\$0	\$200	\$2,925	\$900	\$5,850	\$600	\$5,850	\$600	\$0	\$0	\$1,170	\$0	\$900	\$6,300	\$0	\$29,500	\$4,500	\$0	\$0		\$89,495	
Subtotal Assessment/Concepts																									\$89,495
Design Phase (30%)																									
5. Site Layout Plan/Utility Plan (30%)	24	40	32			6	28	5	25	5	25			5	10								205	\$33,745	
5. Building Layout Plans (30%)	60	240	340	24				26	72	30	80	16	16	16	60	4	120	54					1158	\$170,035	
5. Identify long-lead items	6	4				1		2		2													15	\$3,175	
5. Options: Geothermal, Heat pumps, Solar, Bioswales, rain gardens, pollination gardens, etc.	8	36		12		2	4	4	8														74	\$12,590	
7. Renderings (30%)	4	36	24																				64	\$9,700	
5. Review Meeting 1	6	6	4		2	4		8		8						4	4			\$850			46	\$9,330	
5. Review Meeting 2	6	6	4		2	4		8		8													38	\$6,950	
5. Review Meeting 3	6	6	4		2	4		8		8													38	\$6,950	
7. Cost estimate (30%)	8					4			8		8	4	2	6			4			\$7,980			44	\$15,860	
8. Hudson Planning Commission Review	8	8	24			2		8	8	8	8												74	\$11,710	
9. Hudson AHBR/BZBA Review	8	8	16			4																	36	\$5,780	
10. Public Meetings (2)	8	12	16																				36	\$5,700	
Subtotal Hours	152	402	464	36	6	31	32	69	121	69	121	20	18	27	70	8	128	54					1828		
Subtotal Fees	\$38,000	\$70,350	\$46,400	\$3,960	\$300	\$6,045	\$4,800	\$13,455	\$18,150	\$13,455	\$18,150	\$3,000	\$2,700	\$5,265	\$12,250	\$1,800	\$20,160	\$4,455	\$0	\$0	\$8,830	\$0		\$291,525	
Subtotal Public Meeting																									\$291,525
Construction Documents																									
Geotechnical investigation	6																4		\$1,800			\$18,000	10	\$21,930	
Construction Drawings & Specs (60%)	80	220	380	36	16	8	40	41	200	40	200	60	40	60	240	2	80	30					1773	\$268,840	
7. Cost estimate (60%)	8					4		2	6	2	6									\$10,200			28	\$15,560	
Review Meeting (60%)	4	4	4		2	4		8		8						4	4			\$1,400			42	\$9,030	
11. Submit for permit plan review (80%)	8	16	16			6		8	6	8	6												74	\$12,490	
12. Construction Drawings & Specs (90%)	60	200	340	16	8	6	30	2	80	2	80	12	8	12	80	2	20	20					978	\$141,200	
7. Cost estimate (90%)	4					2		4		4										\$13,900			14	\$16,850	
Review Meeting (90%)	4	4	4		2	3		8		8							4			\$1,700			37	\$8,235	
13. Construction Drawings & Specs (100%)	16	60	120	8	4	2	10	4	12	4	12						20	10					282	\$38,605	
7. Cost estimate (100%)	4					1			4		4									\$9,900			13	\$12,295	
Review Meeting (100%)	5	4	4		2	3														\$1,700			18	\$4,735	
Subtotal Hours	193	508	868	60	34	39	80	77	308	76	308	72	48	72	320	8	128	60					3259		
Subtotal Fees	\$48,250	\$88,900	\$86,800	\$6,600	\$1,700	\$7,605	\$12,000	\$15,015	\$46,200	\$14,820	\$46,200	\$10,800	\$7,200	\$14,040	\$56,000	\$1,800	\$20,160	\$4,950	\$1,800	\$0	\$38,800	\$18,000		\$547,640	
Subtotal Construction Documents																									\$547,640
Bidding Phase																									
14. Pre-bid meeting	6	4				2		6		6													24	\$4,930	
14. Bid RFIs / addenda		8	8			1		4		4						2	8						35	\$5,665	
14. Bid review / recommendation	8					1		2		2													13	\$2,975	
Subtotal Hours	14	12	8	0	0	4	0	12	0	12	0	0	0	0	0	2	8	0					72		
Subtotal Fees	\$3,500	\$2,100	\$800	\$0	\$0	\$780	\$0	\$2,340	\$0	\$2,340	\$0	\$0	\$0	\$0	\$0	\$450	\$1,260	\$0	\$0	\$0	\$0	\$0		\$13,570	
Subtotal Bidding																									\$13,570
Construction Administration																									
15. Pre-construction meeting	4	4		4		2		4		4													22	\$4,090	
15. Construction Site Visits - (32)	30	40		160		10		36		36		8	8	8		4	16						356	\$55,470	
16. Shop Drawing Review	32	120		160	20	5	17		40		40	16	12	16			44	8					530	\$78,035	
17. Project Close-out	4	8		8		5	8																33	\$5,455	
17. Record Drawings	2	8	24			3	8		8		8	4	4	4	20			8					101	\$14,625	
18. Field Change Orders	60		40	40																			140	\$23,400	
19 Survey deeds and legal documents	2	4																	\$5,000				6	\$6,200	
Subtotal Hours	134	184	64	372	20	25	33	40	48	40	48	28	24	28	20	4	60	16	5000	0	0	0	1188		
Subtotal Fees	\$33,500	\$32,200	\$6,400	\$40,920	\$1,000	\$4,875	\$4,950	\$7,800	\$7,200	\$7,800	\$7,200	\$4,200	\$3,600	\$5,460	\$3,500	\$900	\$9,450	\$							

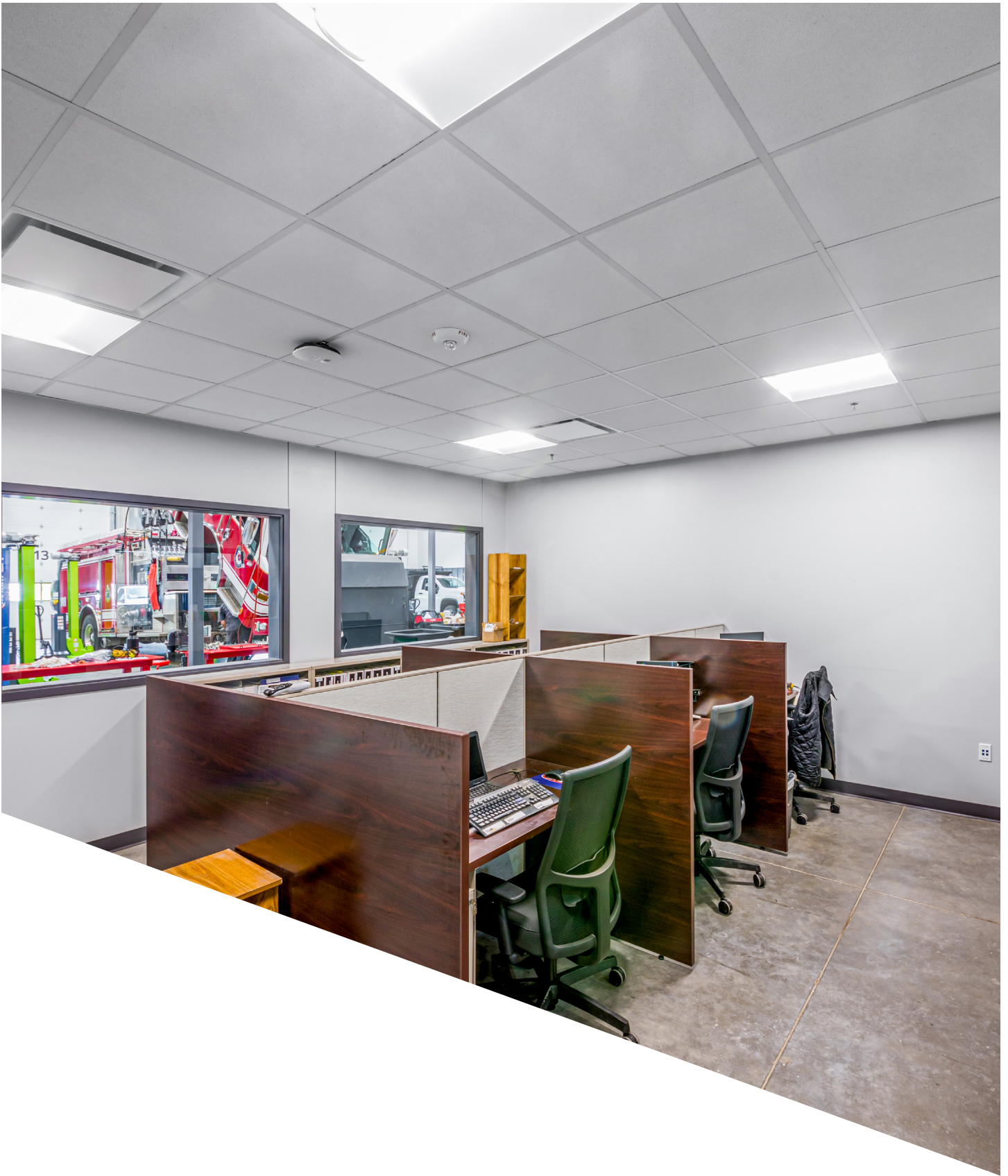
BASE PROJECT SUMMARY	Architecture: BCI					Civil Eng: SBM		MEP Eng: SBM								Civil Eng: SBM			Surveyor	Environ. Consultant: PSI	Cost Estimator: &estimate	Geotech	Total Hours		
	Principal	Architect/ Project Mgr	Drawing Production	Drawing Production	Clerical	Civil Engineer	Civil Designer	Mechanical Engineer	Electrial Engineer	Plumbing Engineer	Fire Protection Engineer	Fire Protection Engineer	Fire Protection Engineer	Fire Protection Engineer	MEP Designer	Principal	Structural Engineer	Drawing Production							
Subtotal - Hours	555	1,190	1,404	468	64	114	151	228	481	227	481	120	90	133	410	26	364	130	5,000	0	0	0	6,636		
Subtotal - Fee	\$138,750	\$208,250	\$140,400	\$51,480	\$3,200	\$22,230	\$22,650	\$44,460	\$72,150	\$44,265	\$72,150	\$18,000	\$13,500	\$25,935	\$71,750	\$5,850	\$57,330	\$10,725	\$36,300	\$4,500	\$47,630	\$18,000			
TOTAL FEE - ALL TASKS																								\$1,129,505	

HUDSON PUBLIC POWER

ADDITIONAL SERVICES																								
Hudson Public Power Building																								
1. Programming	16	16														2	12						46	\$9,140
5. Site Layout Plan/Utility Plan (30%)	4	8	24			4	24	12	80	16	100	20	12	20	120								444	\$71,340
5. Building Layout Plans (30%)	40	160	280	20				2	6	2	6					4	60	24					604	\$83,110
7. Cost estimate (30%)								8		8										\$3,400			16	\$6,520
Construction Drawings & Specs (60%)	40	160	280	30	16	4	16	2	60	2	60	12	8	12	120	2	32	16					872	\$125,210
7. Cost estimate (60%)	4							4		4										\$3,400			12	\$5,960
Review Meeting (60%) - with base project			4																				4	\$400
11. Submit for permit plan review (80%)	4	16	16					8		8													52	\$8,520
12. Construction Drawings & Specs (90%)	40	120	220	16	8	4	8	2	60	2	60	12	8	12	80	2	20	12					686	\$99,850
7. Cost estimate (90%)	4								4		4									\$3,000			12	\$5,200
Review Meeting (90%) - with base project			4																				4	\$400
13. Construction Drawings & Specs (100%)	12	40	80	8	4	4	8	4	12	4	12						8	4					200	\$27,810
7. Cost estimate (100%)	4								4		4									\$3,000			12	\$5,200
14. Bid RFIs / addenda		8	8			1		4		4							8						33	\$5,215
16. Shop Drawing Review	8	40		120		4	12		16		16	8	8	8		2	28	4					274	\$38,730
Subtotal Hours	176	568	916	194	28	21	68	46	242	50	262	52	36	52	320	12	168	60					2918	
Subtotal Fees	\$44,000	\$99,400	\$91,600	\$21,340	\$1,400	\$4,095	\$10,200	\$8,970	\$36,300	\$9,750	\$39,300	\$7,800	\$5,400	\$10,140	\$56,000	\$2,700	\$26,460	\$4,950	\$0	\$0	\$12,800	\$0		\$492,605
Subtotal Hudson Public Power Building																								\$492,605

Project Lead Representative: CA																								
20. Construction Site Visits - (16)	80																						80	\$20,000
Subtotal Hours	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	
Subtotal Fees	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$20,000
Subtotal Lead Rep CA																								\$20,000

Resident Construction Inspection																								
21. Resident inspection- hourly rate				\$110																			110	\$12,100
21. Resident inspection- day rate				\$700																			700	\$77,000



SECTION 5. MANAGEMENT SUMMARY

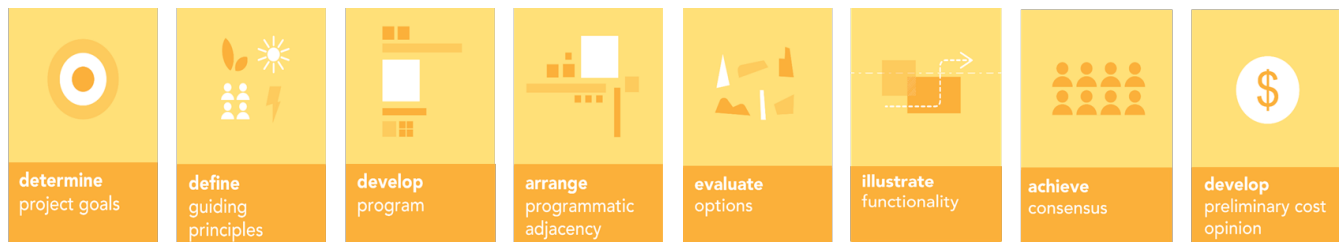


MANAGEMENT SUMMARY

DESIGN PROCESS

Design is not ambiguous. Design is purposeful. It responds to many things such as Owners' needs and wants, the user, the equipment that needs to be housed, the environment and site, our preconceptions, and expectations. A well-defined process is critical to not only control all the moving parts that go into solving the design problem, but also to control the outcome and the public's perception.

BCI follows the 8 steps illustrated below to control the process and deliver creative solutions that exceed expected outcomes!



The City of Hudson has outlined a scope of services that meets all the points above. The BCI Team will come prepared for each meeting in order to facilitate productive conversations and reach a clear direction. In addition, the Programming meetings will be held in a "charrette" format allowing all participants to contribute to the development of the site layout and orientation of all building components.

BUILDING INFORMATION MODELING (BIM)

BCI has been utilizing building information modeling software for more than 15 years. The BIM model will be developed for the 30% design documents, which allows the team to create exterior and interior renderings as well as better communicate the building layout to the Owner/User.

As the design progresses, the engineering consultants will utilize BIM to develop their design allowing for easier coordination of all building elements.

Clash detection is run to identify any conflicts in structure, piping, ductwork, lighting, etc. During construction, we recommend the sub-contractors prepare their shop drawings using BIM to run clash detection and resolve any conflict before installing items in the field.

CONSTRUCTION DOCUMENTS

As shown in the detailed Fee Proposal spreadsheet, BCI utilizes our Construction Administrator in the construction document preparation to review the construction details and assist in preparing specifications. This helps the design team to focus on the constructability and materials/products that make up the building assembly. This also brings the Construction Administrator into the project early, which aids in their understanding and performance during construction.

SCHEDULE CONTROL METHODS

BCI is committed to accurate and proactive scheduling to eliminate potential surprises and delays in progress. Scheduling strategies will be the responsibility of the Principal-In-Charge/Project Manager to ensure milestones are met. As the project initially develops, the scheduling staff places the project goals into a Critical Path Method (CPM) schedule. The schedule will reflect goals at each project interval and aid in tracking progress.

QUALITY CONTROL METHODS

BCI's QC/QA program was developed because of the firm's commitment to earning customer loyalty based upon the consistent ability to deliver quality service and projects to our clients. **The firm's quality control procedures have enabled BCI to maintain a percentage of Change Orders of 1.5% compared to the national average of 4%.**

COMMUNICATION AND ACCESSIBILITY OF ARCHITECT

BCI has a wealth of experience providing professional design services to municipalities, but the real concern is, will the firm be accessible to the client and provide better services and better **EXPERIENCE**. The client **EXPERIENCE** cannot be overstated. BCI believes in delivering a better **EXPERIENCE** to each client, which is what sets BCI apart. The ability to do this means BCI must be accessible, putting a strong emphasis on the Project Manager. The Project Manager (PM) will be the center of activity throughout the project. She will organize the Project Team and bring them to the table at the appropriate times. The PM must have strong communication, organizational, and leadership skills along with a great attention to detail. The PM is the direct link between the client and the Design Team. A strong PM:

- Performs as they promise
- Stays on budget
- Promptly returns phone calls and emails
- Stays on schedule
- Addresses tough problems with urgency

CONSTRUCTION PHASE ADMINISTRATION

Construction cost efficiency derives from careful tracking of project costs; accurate cost estimating is possible only when the Design Team makes thoughtful decisions resulting in a design that can be constructed logically and efficiently.

If these principles are observed and enforced throughout the design process, it becomes much simpler to carry them through construction. Modifications and substitutions of materials are inevitable to some degree during a construction project; even the best set of construction documents cannot anticipate every situation that arises during a complex project. But starting with a thoroughly integrated and coordinated design is the best route to good value and efficiency.

Good communication among all stakeholders is absolutely essential to success. The good-faith relationships that drive a successful process are strengthened when all participants are well-informed about issues and progress through the job.

In the construction environment, good communication requires more than just talking. Efficient document control—the tracking of formal submittals, requests for information, field instructions—is an important form of communication. A key responsibility of BCI during construction is handling and tracking of such documentation. Speedy processing of the paperwork of communication means the schedule is maintained and helps control costs.



KEY PROJECT TEAM MEMBERS

The resumes of the Key Project Team Members from the qualifications package are included here for your use. The roles that each will play are briefly described below:

Nancy K. Nozik: Principal in Charge and Project Manager. The primary contact for the Owner, responsible for overall management of the project team.

Phil Schilffarth: Design Architect, assist in design aspects particular to this project type.

Dan Joyce: Architectural Support, assist in project management and coordination as well as leading the production team.

Patrick Hoagland: Landscape Architect, preparation of landscape planting plans.

David Bales: Construction Administrator, assist in construction detailing and specifications, construction document review, construction field observation, and construction submittal review.

SBM Team: Civil Engineering, MEP Engineering, Fire Protection, and Technology Engineering.

Barber & Hoffman Team: Structural Engineering.

&estimate: Construction Cost Estimating.

Atwell: Chris Dempsey, topographic survey.

Intertek PSI: Wetland Delineation and Geotechnical borings.



NANCY K. NOZIK, AIA

Principal-in-Charge/Project Manager

EDUCATION

Georgia Institute of Technology, Master of Architecture
Miami University, Oxford, Bachelor of Environmental Design

REGISTRATIONS

Registered Architect:
Ohio ARC.9511148

AFFILIATIONS

American Institute of Architects
Lyndhurst, Ohio, Zoning Board
Lyndhurst, Ohio, Architectural Review Board

Ms. Nozik is the Division Principal for the Cleveland Office of Brandstetter Carroll Inc. Ms. Nozik is a Registered Architect with 31 years of experience in the design and management of architectural projects. She has worked on recreational, cultural, educational, municipal, and corporate facilities for both profit and non-profit organizations in Ohio and across the country. Her experience in design, construction documents, client relations, project management, construction administration, presentations, and meeting facilitation are an asset to every project.

RELEVANT EXPERIENCE

HUDSON ADMINISTRATIVE CENTER RENOVATIONS
Hudson, Ohio

ATWOOD LAKE PARK UTILITIES GARAGE
Mineral City, Ohio

SENECA LAKE MARINA BOAT REPAIR BUILDING
Senecaville, Ohio

ATWOOD LAKE RANGER BOAT BUILDING
Mineral City, Ohio

KENT CITY HALL
Kent, Ohio

GUILFORD TOWNSHIP FIRE STATION RECONSTRUCTION
Seville, Ohio



PHILIP N. SCHILFFARTH, AIA, CID, LEED AP, AFO

Design Architect

EDUCATION

University of Kentucky, College of Design, Bachelor of Architecture, 2008

PSMJ Project Manager Bootcamp – 2014

Vistage for Emerging Leaders – 2021 - 2023

REGISTRATIONS

Registered Architect:

Florida AR102008

Indiana AR12100070

Kentucky 7451

Ohio ARC1817464

Texas 30218

Certified Interior Designer:

Kentucky #0318CID

LEED AP #10375089

AFFILIATIONS

LEED AP, 2008 - Present

AIA, Member 2008 - Present

NCARB Program, 2008 - Present

AFO, 2016 - Present

Citizens Police Academy – Nicholasville, Kentucky

Mr. Schilffarth is a Licensed Architect and member of the American Institute of Architects. He also is a LEED Accredited Professional and maintains credentials as an Aquatic Facility Operator. Mr. Schilffarth is a graduate of the University of Kentucky School of Architecture College of Design and focuses the majority of his professional development in recreational and aquatic design. He has more than 15 years of experience and has served as a Project Manager for the majority of that time.

RELEVANT EXPERIENCE

FAIRBORN UTILITY AND MAINTENANCE FACILITY

Fairborn, Ohio

FLEMING-MASON CO-OP OFFICE BUILDING AND VEHICLE STORAGE CENTER

Flemingsburg, Kentucky

WYANDOT COUNTY ENGINEER'S COMPLEX

Upper Sandusky, Ohio

SYCAMORE TOWNSHIP MAINTENANCE FACILITY

Cincinnati, Ohio

CINCINNATI PARKS MAINTENANCE FACILITY RELOCATION

Cincinnati, Ohio

MUHAMMAD ALI LOUISVILLE REGIONAL AIRPORT SNOW REMOVAL BUILDING

Louisville, Kentucky



DAN JOYCE

Architectural Support

EDUCATION

Northeastern University, Master of Architecture

Northeastern University, B.S. in Architecture

Mr. Joyce has more than 10 years of experience in architecture. Most recently, he designed schools for the State of Ohio. He provides design and production support on a wide variety of projects. Additionally, he assists with consulting with clients and coordinating with the other consultants working on projects. He is knowledgeable in Revit, BIM, and Navisworks.

RELEVANT EXPERIENCE

YORK TOWNSHIP FIRE STUDY

York Township, Ohio

VALLEY VIEW BOAT HOUSE

Akron, Ohio

SEVEN HILLS PARK IMPROVEMENTS

Seven Hills, Ohio

MEDINA MUNICIPAL COURTHOUSE

Medina, Ohio

STRONGSVILLE TOWN CENTER

Strongsville, Ohio

CIRCLEVILLE TED LEWIS PARK

Circleville, Ohio

WOODLAND RECREATION CENTER ADDITION AND RENOVATION

Cleveland, Ohio



PATRICK D. HOAGLAND, ASLA

Landscape Architect

EDUCATION

The Ohio State University, B.S. Landscape Architecture

REGISTRATIONS

Registered Landscape Architect:

CLARB 1339	Georgia LA001486
Indiana LA22100014	Kentucky 316
New Jersey 21AS00096200	Ohio 663
South Carolina LSA 1475	Tennessee 0487
Texas 2781	Virginia 0406001787
West Virginia 352	

AFFILIATIONS

American Society of Landscape Architects
(KY Chapter – President, 1984 and Trustee, 1991 - 1996)
Kentucky Recreation and Park Society
Ohio Parks and Recreation Association
Kentucky Board of Landscape Architects (2019 - 2023)

Mr. Hoagland is the Managing Principal of the firm's Recreation, Planning and Landscape Architecture Division, and has more than 40 years of experience. Mr. Hoagland has a vast background in landscape design, with experience spanning from office and municipal buildings to streetscapes and parks. He has completed numerous design assignments in his career and understands how life cycle costs and sustainability play a crucial role in landscape design. He also has established regional recognition for his urban design experience.

RELEVANT EXPERIENCE

SERVICE CENTER RENOVATION

Xenia, Ohio

LEBANON CITY HALL RENOVATION

Lebanon, Ohio

ELYRIA MUNICIPAL COURTHOUSE

Elyria, Ohio

SOLON FIRE STATION

Solon, Ohio

IRVINE MUNICIPAL COMPLEX

Irvine, Kentucky

BEREA CITY ADMINISTRATION, POLICE, AND FIRE FACILITY

Berea, Kentucky



DAVID BALES

Construction Administrator

EDUCATION

University of Illinois at Chicago, Bachelor of Architecture

Mr. Bales has nearly 25 years of experience, the majority of which has been in the construction industry. He has served as a Senior Project Manager and Director of Production and has managed more than \$270 million total in construction throughout his career. He is skilled in maintaining original design intent and quality standards.

RELEVANT EXPERIENCE

MEDINA COUNTY COURTHOUSE

Medina, Ohio

KENT CITY HALL

Kent, Ohio

CANTON CENTENNIAL RESTROOMS

Canton, Ohio

LIMA AQUATIC CENTER

Lima, Ohio

WOODLAND RECREATION CENTER ADDITION AND RENOVATION

Cleveland, Ohio

STRONGSVILLE TOWN CENTER

Strongsville, Ohio



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 📠 330-705-5973
 ✉ mhathaway@sbmce.com

EDUCATION:

The University of Akron —
 BSEE/1992
 Electrical Engineering

CREDENTIALS:

LEED Accredited Design
 Professional

Registered Communications
 Distribution Designer (RCDD)

Registered Professional
 Engineer (Electrical) in Ohio,
 West Virginia, Kentucky, North
 Carolina, South Carolina, New
 York, Michigan, Pennsylvania,
 Tennessee, Florida, Texas and
 Mississippi

Marlon Hathaway, PE

LEED AP, RCDD

Vice President — Electrical Engineer

Marlon began his career as a consulting engineer with Schee-ser Buckley Mayfield. He has since been involved with all aspects of electrical design including lighting, power distribution (utility and standby), telecommunications systems, fire alarm systems, video/security systems, access control systems and surgical documentation systems. Marlon's responsibilities include both budget and finish electrical construction estimates. He has worked closely with electrical contractors on design-build and design assist projects.

During his consulting career, Marlon has completed projects in Ohio, West Virginia, Kentucky, New York, Mississippi, Pennsylvania, South Carolina and Florida. He has designed many health care spaces, including OR suites, pathology labs, emergency and trauma rooms, cardiac cath labs, endoscopy and cystoscopy labs, and medical offices. He has prepared contract documents for complex electrical medical equipment including MRIs, CT and PET scanners and digital processing equipment.

Marlon has been project engineer and principal-in-charge on numerous public safety and correctional projects. He is well versed in their unique codes and compliance regulations. Many of these projects have taken place in occupied facilities.

Marlon is a BICSI RCDD (Registered Communications Distribution Designer) and served as treasurer for the Cleveland chapter of the Illuminating Engineering Society (IES).

SELECT WORK EXPERIENCE:

- Marshall County 911 Center, Moundsville, WV
- Mineral County 911 Center, Keyser, WV
- Randolph County Regional Communications 911 Center, Elkins, WV
- Brooke County 911 Center, Wellsburg, WV
- Marshall County EMS Station, Moundsville, WV
- Marshall County Ambulance Garage, Cameron, WV
- Kanawha County Emergency Ambulance Authority, Charleston, WV
- Wheeling Police Department Headquarters, Wheeling, WV
- Lynhurst Police Department, Lynhurst, OH

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 📱 330-612-2268
 ✉ vfeidler@sbmce.com

EDUCATION:

The Pennsylvania State
University — BSAE/1996
Architectural Engineering

CREDENTIALS:

LEED Accredited Design
Professional

Registered Professional
Engineer (Mechanical) in
Ohio, West Virginia, Kentucky,
Michigan, Pennsylvania,
Tennessee and Mississippi

Vincent J. Feidler, PE

LEED AP

Principal — Mechanical Engineer

Vince has served as lead mechanical engineer on a wide variety of projects, throughout West Virginia, Kentucky, Ohio and Pennsylvania. He has extensive experience in all aspects of the design of mechanical systems for buildings, including advanced HVAC, plumbing and fire protection systems. He also acts as the project manager for his projects within the office, coordinating the design team's efforts to ensure a quality project, with emphasis on design deadlines and construction budgets.

Vince has designed systems for projects varying in nature from small renovations and equipment replacement to major remodeling projects involving multiple building additions to freestanding structures. Scheeser Buckley Mayfield's success has been defined by the quality of its projects. Vince's attention to detail and extensive building system knowledge further ensures the high quality SBM strives for.

Vince approaches each project, regardless of size, with attention to detail. Having extensive knowledge of all facets of building planning, design and construction has proven invaluable throughout his career. Vince firmly believes the successful design and construction of any project lies in the ability to understand how a building needs to function as a whole.

SELECT WORK EXPERIENCE:

- Marshall County 911 Center, Moundsville, WV
- Mineral County 911 Center, Keyser, WV
- Randolph County Regional Communications 911 Center, Elkins, WV
- Brooke County 911 Center, Wellsburg, WV
- Marshall County Ambulance Garage, Cameron, WV
- Kanawha County Emergency Ambulance Authority, Charleston, WV
- King's Daughters Medical Center Ambulance Garage, Ashland, KY



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 ✉ knoble@sbmce.com

EDUCATION:

The University of Akron —
 BSCE/1987
 Civil Engineering

Averett College — MBA/1991
 Business Administration

CREDENTIALS:

LEED Accredited Design
 Professional

American Society of Plumbing
 Engineers (ASPE)

American Society of Civil
 Engineering (ASCE)

Society of Fire Protection
 Engineers (SPFE)

Registered Professional
 Engineer [Civil/Fire
 Protection] in Ohio, West
 Virginia, Kentucky, South
 Carolina, New York, Virginia,
 Pennsylvania, Indiana,
 Florida and Georgia

Kevin M. Noble, PE

LEED AP, FPE

Principal — Civil Engineer

Upon graduation, Kevin accepted a position as a water resource engineer at Dewberry & Davis, Inc. in Washington, D.C. There Kevin worked on contracts with the Federal Emergency Management Agency. His responsibilities included hydrologic and hydraulic analyses, flood plain delineations and storm water management facilities. He was promoted to project manager where he obtained valuable experiences in hydraulics and storm water control from projects involving the U.S. Army Corp of Engineers and Tennessee Valley Authority.

Kevin then joined Elewski & Associates, Inc. in Independence, Ohio. There, he engineered a wide range of residential, commercial and industrial development projects and provided field support to facilitate timely completion of construction. Projects included public and private schools, athletic facilities, planned residential developments, multi-phased office parks, municipal buildings and retail centers. The site engineering involved design of water mains and pumps; sanitary sewers; force mains; pump stations; and storm sewer and storm water management systems. Prior to leaving, he was promoted to village engineer, in charge of plan review, infrastructure design, public work projects and construction inspection.

Kevin joined Scheeser Buckley Mayfield in 1995 as a department head. He has since participated in and managed the design of numerous private and public civil, plumbing and fire protection projects, including prisons, health care, utility companies, universities, municipalities, churches, schools and government facilities.

Kevin is also a professional fire protection engineer and provides services for code analysis and design criteria, fire safety plans, fire suppression/sprinkler system designs, and fire system construction administration services. He attends local and national plumbing, fire protection and civil conventions and seminars to stay in tune with current developing technologies. Kevin is the flood plain administrator for the City of Franklin, Summit County.

SELECT WORK EXPERIENCE:

- Canton Township Fire Station, Canton, OH
- Wheeling Public Service Center Police Department Headquarters, Wheeling, WV
- Anthony Correctional Center, Neola, WV
- Cuyahoga Hills Juvenile Correctional Facility, Highland Hills, OH
- City of North Canton, OH
- City of Massillon, OH
- City of Akron, OH

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BRAD A. BOOMER, PE

ROLE: Structural Project Engineer

Mr. Boomer is a Senior Associate for the firm with over 29 years of experience in structural design, analysis, and production of contract documents for a variety of commercial, industrial, and educational projects. His experience also includes investigation and repair of masonry, concrete, and steel-framed buildings, as well as parking garages.

Mr. Boomer joined the firm in 2003. In his years with the firm, he has developed from structural engineer to Senior Associate. He has the responsibilities of managing multiple projects. He will serve as project manager which includes structural design, supervising other staff members, and communication with our clients. In 2020, he became a Senior Associate with the firm.

**Joined the Firm
2003**



REPRESENTATIVE EXPERIENCE

CITY OF CANTON COLLECTION SYSTEMS

Service Center and Administration Building

Canton, OH

CITY OF CANTON DEPARTMENT OF WATER

Service Center Garage Addition

Canton, OH

DOMINION EAST OHIO

Northeast Shop Renovations

Wickliffe, OH

DOMINION EAST OHIO

Canton Perry Yard Renovations

Canton, OH

DOMINION EAST OHIO

East 55th Street Structural Support of Rooftop HVAC Units

Cleveland, OH

DOMINION EAST OHIO

Tapper Building 3-ton Crane Investigation

Cleveland, OH

DOMINION EAST OHIO

Twinsburg PEMB Garage and Support Facility

Twinsburg, OH

OHIO CAT

North Canton Facility Shop Floor

North Canton, OH

Education

Cleveland State University, 1995
Bachelor of Civil Engineering

Registration: PE 2000

Ohio

Professional Affiliations

Structural Engineers Association
of Ohio -
SEAO Secretary: 2012 - 2013
SEAO Director: 2009 - 2012

American Institute of Steel
Construction

barberhoffman.com



BRANDON LAWLOR, LEED AP

PROJECT EXECUTIVE

As President of **&estimate**, Brandon is responsible for the oversight of all project estimates. These estimates encompass a wide range of disciplines, including architectural, structural, civil, mechanical, plumbing, technology, and electrical systems. Brandon brings to the table more than two decades of experience in construction estimating, supplemented by ongoing training that includes participation in numerous professional and construction seminars and courses. Throughout his career, Brandon has estimated the costs of construction projects totaling over \$40 billion across various sectors. Our pre-construction services team has diligently curated and consistently enhances our proprietary database system, which stands as a robust tool for our estimating staff.

Education:

BS, Business Administration,
Specialization Finance,
Bowling Green State University

Registrations:

LEED Accredited Professional

Memberships:

American Society of Professional
Estimators (ASPE)
American Society of Healthcare
Engineers (ASHE)
Construction Estimators Roundtable
(CERT)

Relevant Project Experience:

- Air Force Bases:
 - Lackland AFB, San Antonio TX
 - Little Rock AFB, Jacksonville, AR
 - Randolph AFB, Universal City, TX
 - Vance AFB, Enid, OK
 - Wright Patterson AFB, Dayton, OH
- Schofield Barracks Army Bases, Oahu, HI
- Architect of the Capitol, Washington, DC:
 - Library of Congress
 - John Adams Building
 - Thomas Jefferson Building
 - James Madison Memorial Building
 - Capitol Power Plant
- Avon Lake Police Facility, Muni. Court & Holding Area, Avon Lake, OH
- Avon Lake Safety Center, Avon Lake, OH
- Bay Village City Hall, Bay Village, OH
- Bedford New Municipal Center and Fire Station, Bedford, OH
- Burke Lakefront Airport New Corporate Hangar, Cleveland, OH
- Camp Ravenna Joint Military Training Center Environment Design Building Renovations, Ravenna, OH
- City of Cleveland, Cleveland, OH
 - New Polic HQ & SWAT Facility
 - Public Auditorium & Conference Center
 - City Hall Water Infiltrations
 - Willard Parking Garage Improvements
- City of Hudson, Public Works Facility Needs Assessment, Hudson, OH
- City of Mayfield Heights, New Community & Aquatics Center, Mayfield Heights, OH
- City of Middleburg Heights, Natatorium, Middleburg Heights, OH
- City of Oberlin, Waterworks Building, Oberlin, OH
- City of Salem, New Police/Fire Safety Services Building, Salem, OH
- Cuyahoga County Administrative Headquarters, Cleveland, OH
- Cuyahoga County Juvenile Justice Center, Cleveland, OH
- Federal Reserve Bank, Cleveland, OH
- Geauga National Park District, Nassau Station, Geauga County, OH
- GCRTA, Cleveland, OH
- General Services Administration (GSA):
 - A.J. Celebrezze Federal Bldg., Cleveland, OH
 - Carl B. Stokes Federal Courthouse, Cleveland, OH
 - J.P. Kinneary U.S. Courthouse, Columbus, OH
 - J.W. Peck Federal Building, Cincinnati, OH
 - Howard M. Metzenbaum Federal Building, Columbus, OH
 - John W. Bricker Federal Bldg., Columbus, OH
 - Potter Stewart Courthouse, Cincinnati, OH
 - Toledo Public Library, Toledo, OH
 - Toledo Municipal Courthouse, Toledo, OH
 - Harry S. Truman Building, Washington, DC
- Harrison-Taylor 911 Center, Clarksburg, WV
- Lake County Crime Lab, Lake County, OH
- Lyndhurst Municipal Buildings, Lyndhurst, OH
- Medina County Courthouse and Jail, Medina, OH
- NASA John H. Glenn Research Center, Cleveland, OH
 - Aerospace Communications Facility
 - Centralized Office Building 162
 - New Shipping Facility
 - Research Support Building
 - Security Enhancements
 - Warehouse 351 East Addition
 - Warehouse 351 West Addition
 - Intrusion & Institutional Plumbing Repairs
- Parmadale Juvenile Center, Parma, OH
- Parma Municipal Courts, Detention & Police Areas, Parma, OH
- Russell Twp. Fire Station, Russell Township, OH
- Sandusky New Justice Center, Sandusky, OH
- Shaker Hts. Fire Station No. 1, Shaker Heights, OH
- Southington Township Fire Station Feasibility Study Southington, OH
- West Virginia State Office Bldg., Clarksburg, WV



MIKE ADAMS, LEED AP BD+C

VICE PRESIDENT / LEAD M/E/P ESTIMATOR

Mike capitalized on his extensive hands-on experience in maintenance and repair of HVAC systems, air handlers, pumps, boilers, and refrigeration equipment, which he acquired during his 11-year tenure as a Facility-Services Technician at Lake Health Systems. This background propelled him into a new career path in cost estimating, leading him to join **&estimate** as an estimator. Notably, Mike holds certifications as a Certified Environmental Journeyman and a Certified Refrigeration and Air Conditioning Technician. He also possesses additional certifications related to the design, programming, graphics, and repair of energy management systems. His wealth of experience and knowledge, coupled with his eagerness to mentor others, positions him as a valuable asset in all endeavors. Today, Mike assumes the role of Lead Estimator, overseeing all estimates related to mechanical, electrical, and technology systems.

Education:

Westside Institute of Technology
Lake Health Systems

Registrations:

LEED Accredited Professional
Certified Journeyman

Memberships:

American Society of Heating,
Refrigerating and Air Conditioning
Engineers, Inc. (ASHRAE)
Construction Specifications Institute
(CSI), Past President
Association of the Advancement
Cost Engineers International
(AACE International)

Relevant Project Experience:

- Air Force Bases:
 - Lackland AFB, San Antonio TX
 - Little Rock AFB, Jacksonville, AR
 - NAS Pensacola, FL
 - Randolph AFB, Universal City, TX
 - Vance AFB, Enid, OK
 - Wright Patterson AFB, Dayton, OH
- Schofield Barracks Army Bases, Oahu, HI
- Allen Correctional Institution, Lima, OH
- Architect of the Capitol, Washington, DC:
 - Library of Congress
 - John Adams Building
 - Thomas Jefferson Building
 - James Madison Memorial Building
 - Capitol Power Plant
- Arizona Army National Guard, AZ
- Avon Lake Police Facility, Muni. Court & Holding Area, Avon Lake, OH
- Bay Village City Hall, Bay Village, OH
- Bedford New Municipal Complex and Fire Station, Bedford, OH
- City of Cleveland, Cleveland, OH
 - New Police HQ & SWAT Facility
 - Public Auditorium & Conference Center
 - City Hall Water Infiltrations
 - Willard Parking Garage Improvements
- City of Hudson, Public Works Facility Needs Assessment, Hudson, OH
- City of Mayfield Heights, New Community & Aquatics Center, Mayfield Heights, OH
- City of Middleburg Heights, Natatorium, Middleburg Heights, OH
- City of Oberlin, Waterworks Building, Oberlin, OH
- City of Salem, New Police/Fire Safety Services Building, Salem, OH
- Cuyahoga County Admin. Headquarters, Cleveland, OH
- Cuyahoga County Juvenile Justice Center, Cleveland, OH
- Federal Reserve Bank, Cleveland, OH
- General Services Administration (GSA):
 - A.J. Celebrezze Federal Bldg., Cleveland, OH
 - Carl B. Stokes Federal Courthouse, Cleveland, OH
 - J.P. Kinneary U.S. Courthouse, Columbus, OH
 - J.W. Peck Federal Building, Cincinnati, OH
 - Howard M. Metzenbaum Federal Building, Columbus, OH
 - John W. Bricker Federal Bldg., Columbus, OH
 - Potter Stewart Courthouse, Cincinnati, OH
 - Toledo Public Library, Toledo, OH
 - Toledo Municipal Courthouse, Toledo, OH
 - Harry S. Truman Building, Washington, DC
- GCRTA, Cleveland, OH
- Harrison-Taylor 911 Center, Clarksburg, WV
- Lake County Crime Lab, Lake County, OH
- Lyndhurst Municipal Buildings, Lyndhurst, OH
- Medina County Courthouse and Jail, Medina, OH
- NASA John H. Glenn Research Center, Cleveland, OH
 - Aerospace Communications Facility
 - Centralized Office Building 162
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 - Warehouse 351 East Addition
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- Parmadale Juvenile Center, Parma, OH
- Parma Municipal Courts, Detention & Police Areas, Parma, OH
- Russell Twp. Fire Station, Russell Township, OH
- Sandusky New Justice Center, Sandusky, OH
- Shaker Hts. Fire Station No. 1, Shaker Heights, OH
- Southington Township Fire Station Feasibility Study Southington, OH
- West Virginia State Office Bldg., Clarksburg, WV