

SIGNATURE PAGE

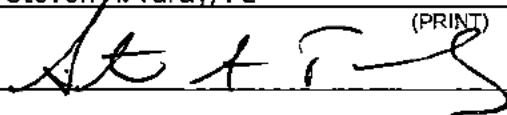
P-41-2020

To the Monmouth County Board of County Commissioners:

**THE UNDERSIGNED HEREBY DECLARES THAT
I (WE) HAVE CAREFULLY EXAMINED THE SPECIFICATIONS.
I (WE) HEREBY CERTIFY PRICES QUOTED ARE IN ACCORDANCE
WITH YOUR REQUIREMENTS.**

Company Name: French & Parrello Associates, PA
(PRINT)

Preparer's Name: Steven A. Tardy, PE
(PRINT)

Signature:  10/26/21
(DATE)

Address: 1800 Route 34, Suite 101, Wall, NJ 07719

Telephone No.: 732-312-9800

Fax No.: 732-312-9801

E-Mail Address: Steven.Tardy@fpaengineers.com
*****(This should be the email where Contracts would be sent)*****

Contact Person: Steven Tardy, PE

FEIN: 
(Federal Employee ID)

(Revised 2/2017)



**PROFESSIONAL ENGINEERING SERVICES REGARDING THE
Intersection Improvements at Phoenix Road and Campus Drive, and Reconstruction of Bridge MT-61 over the Tributary to Swimming River
in the Township of Middletown, Northmouth County, NJ**



RF# #: P-41-2020

TASK	Project Consultant (P/C)	Senior Engineer (P/E)	Project Manager (P/M)	Project Engineer (P/PE)	Senior Staff Engineer (P/SE)	Staff Engineer (P/S)	Environmental Permit Assessor (E/P)	Professional Land Surveyor (P/LS)	Project Manager Survey	Senior Drafter (S/D)	Survey Crew Chief (P/CC)	Survey Technician (S/T)	Administrative Services (C/Sec)	TOTAL HOURS	LABOR COST BY TASK (See Note 3)
1. Field Survey	0	0	2	0	6	5	0	0	0	0	0	0	0	18	\$ 1,924.00
2. Road Research & ROW Documents	0	6	0	0	0	16	0	0	0	0	0	0	0	24	\$ 2,922.00
3. Traffic Design & Contract Documents	0	9	0	0	8	4	0	0	0	0	0	0	0	21	\$ 2,522.00
4. Highway Design & Contract Documents	7	32	100	74	277	294	0	0	0	0	0	0	0	757	\$ 90,518.00
5. Bridge Design & Contract Documents	7	11	85	150	98	68	0	0	0	0	0	0	0	422	\$ 54,893.40
6. Geotechnical Services	3	0	10	22	16	16	0	0	0	0	0	16	6	89	\$ 9,971.60
7. Environmental Study & Permits	8	22	30	77	0	118	10	0	0	0	0	0	0	255	\$ 30,601.00
8. Utility Coordination & Contract Documents	0	2	10	0	48	52	0	0	0	0	0	0	0	112	\$ 11,928.80
9. Meetings & Community Involvement	8	19	47	0	22	16	0	0	0	0	0	0	70	127	\$ 17,718.20
10. Project Management	6	6	42	0	0	0	0	0	0	0	0	0	0	56	\$ 9,999.60
11. Construction Support	0	8	24	0	72	0	0	0	0	0	0	0	0	104	\$ 13,478.40
	Yrso-hours	39	119	118	112	549	192	10	0	0	0	16	26	2,077	
	Direct Salary Rate (See Note 1)	\$83.00	\$72.00	\$66.00	\$50.00	\$42.00	\$34.00	\$75.00	\$58.00	\$40.00	\$28.00	\$27.00			
	Multiplier (See Note 2)					1.60									
	TOTAL DIRECT LABOR COST	\$ 8,816.10	\$ 22,276.80	\$ 58,000.80	\$ 41,990.00	\$ 99,550.80	\$ 52,332.80	\$ 84.00	\$ -	\$ -	\$ -	\$ 1,164.80	\$ 1,825.20		\$ 246,841.40

VPA DIRECT EXPENSES	
Resonance French Engineers (Survey/RTW)	\$ 31,524.40
Dynamic Engineering Consultants (Traffic)	\$ 44,137.25
Hunter Research (Cultural Resources)	\$ 3,255.60
SUBTOTAL - Sub-Consultants	\$ 106,816.90
Crane Test Moving (Soil Borings)	\$ 3,000.00
Exposits Construction (Tri. Pitt)	\$ 2,500.00
Aluminum 100 (40.56.2nd)	\$ 168.00
Permits	\$ 250.00
Reproduction (Final Reports and Submittals)	\$ 1,000.00
SUBTOTAL - Misc. Expenses	\$ 5,318.00
TOTAL DIRECT EXPENSES	\$ 112,734.90

NOTES:

- 1) Direct Salary Rate shall not include employee benefits.
- 2) Multiplier includes overhead, profit and employee benefits. Only one multiplier shall be used for all employees.
- 3) Labor Cost By Task = (Man-hour) x (Direct Salary Rate) x (Multiplier)
- 4) Direct Expenses will be billed at market cost (no profit or overhead)
- 5) Overhead shall include computation, lodging, meals and indirect expenses

TOTAL DIRECT LABOR COST	\$ 246,841.40
TOTAL DIRECT EXPENSES	\$ 112,734.90
TOTAL PROJECT COST	\$ 359,576.30



PROJECT COST AND WORK HOUR PROPOSAL FORM



PROFESSIONAL ENGINEERING SERVICES REGARDING INTERSECTION IMPROVEMENTS AT PHALANX ROAD AND CAMPUS DRIVE,
AND REPLACEMENT OF BRIDGE MT-61 OVER A TRIBUTARY TO SWIMMING RIVER IN THE TOWNSHIP OF MIDDLETOWN

October 25, 2021

Task	Description	PVII (Sr. Project Manager)	PVI (Project Manager)	PV (Senior Engineer)	PIV (Project Engineer)	PIII (Engineer)	PII (Jr. Engineer)	ETS (Senior Tech.)	ET4 (Tech.)	ET3 (CADD Tech.)	Tech Sec (Admin.)	Total Hours	Labor Cost By Task (See Note 3)
C2	Traffic Design	15	34	92	0	68	0	0	0	64	26	299	\$26,107.50
G	Traffic Maintenance	12	24	48	0	80	0	0	0	0	8	172	\$17,036.00
	Man-Hours	27	58	140	0	148	0	0	0	64	34	471	
	Direct Salary Rate (See Note 1)	\$67.00	\$62.00	\$40.00	\$0.00	\$30.00	\$0.00	\$0.00	\$0.00	\$15.00	\$25.00		
	Multiplier (See Note 2)	2.50											
	TOTAL LABOR COST	\$4,522.50	\$8,990.00	\$14,000.00	\$0.00	\$11,100.00	\$0.00	\$0.00	\$0.00	\$2,400.00	\$2,125.00		\$43,137.50

DIRECT EXPENSES	
SUB-CONSULTANTS	
SUBTOTAL-Sub-Consultants	\$0
Reproduction	\$500
Postage/Delivery/Newspaper Ad	\$300
Transportation	\$200
Misc Information	
SUBTOTAL-Misc. Expenses	\$1,000
TOTAL DIRECT EXPENSES	\$1,000

- NOTES: 1. Direct Salary Rate does not include employee benefits.
 2. Multiplier includes overhead, profit, and employee benefits.
 3. Labor Cost By Task = (Man-hour) x (Direct Salary Rate) x (Multiplier).
 4. Direct expenses billed at invoice costs (no profit or overhead).
 5. Overhead includes communication, lodging, meals, and indirect expenses.

TOTAL LABOR COST	\$43,137.50
TOTAL DIRECT EXPENSES	\$1,000.00
TOTAL PROJECT COST	\$44,137.50



**PROFESSIONAL ENGINEERING SERVICES REGARDING THE
Intersection Improvements at Phalanx Road and Campus Drive, and Reconstruction of Bridge MT-61 over the Tributary to Swimming River
in the Township of Middletown, Monmouth County, NJ**



TASK	Project Consultant (PVJH)	Scale Engineer (PVJH)	Project Manager (PV)	Project Engineer (PVJ)	Senior Staff Engineer (PJJ)	Staff Engineer (PJ)	Environmental Permit Assistant (ETJ)	Professional Lead Surveyor (PVJH)	Project Manager Survey	Senior CADD Operator (EJJK)	Survey Crew Chief (PJH)	Survey Technician (EJH)	Administrative Services (CJG)	TOTAL HOURS	LABOR COST BY TASK (See Note 3)
1. Field Survey & Base Plans	0	0	0	0	0	0	0	20	64	64	96	96	16	356	\$ 37,107.20
2. Devl Research & ROW Determinations	0	0	0	0	0	0	0	20	40	40	8	8	16	132	\$ 16,307.20
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
Man-hours	0	0	0	0	0	0	0	40	104	104	104	104	32	488	
Direct Salary Rate (See Note 1)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6.00	\$0.00	\$76.00	\$50.00	\$45.00	\$40.00	\$25.00	\$27.00		
Multiplier (See Note 2)								2.60							
TOTAL DIRECT LABOR COST	\$	\$	\$	\$	\$	\$	\$	7,904.00	13,520.00	12,168.00	10,816.00	6,760.00	2,246.40		\$ 53,414.40

RVE DIRECT EXPENSES	
Firm	\$ -
SUBTOTAL - Sub-Consultants	\$ -
Storage (1000 @ \$0.51/1mb)	\$ 510.00
Postage	\$ -
Reproduction (Print, Meters and Submittals)	\$ -
SUBTOTAL - Misc. Expenses	\$ 510.00
TOTAL DIRECT EXPENSES	\$ 510.00

NOTES:

- 1) Direct Salary Rate shall not include employee benefits.
- 2) Multiplier includes overhead, profit and employee benefits. Only one multiplier shall be used for all employees.
- 3) Labor Cost By Task = (Man-hours) x (Direct Salary Rate) x (Multiplier).
- 4) Direct Expenses will be billed at invoice cost (no profit or overhead).
- 5) Overhead shall include commutation, lodging, meals and indirect expenses.

TOTAL DIRECT LABOR COST	\$ 53,414.40
TOTAL DIRECT EXPENSES	\$ 510.00
TOTAL PROJECT COST	\$ 53,924.40

**TIME AND COST ESTIMATE - PHASE I ARCHAEOLOGICAL SURVEY
PHALANX ROAD AND BRIDGE MT-61
MIDDLETOWN TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY**

LABOR	Hours	Hourly Rate	Hourly Cost
Task 1. Background Research and Field Preparation			
Principal Investigator	4	\$115.00	\$460.00
Principal Historian	1	\$115.00	\$115.00
Historian	<u>16</u>	\$65.00	<u>\$1,040.00</u>
Totals	21		\$1,615.00
Task 2. Fieldwork			
Senior Archaeologist	8	\$75.00	\$600.00
Historian	4	\$65.00	\$260.00
Archaeologist	8	\$55.00	\$440.00
Cartographer/Surveyor	<u>6</u>	\$65.00	<u>\$390.00</u>
Totals	26		\$1,690.00
Task 3. Laboratory Analysis and Artifact Processing			
Laboratory Supervisor	4	\$75.00	\$300.00
Laboratory Technician	<u>8</u>	\$55.00	<u>\$440.00</u>
Totals	12		\$740.00

Task 4. Reporting

Principal Investigator	4	\$115.00	\$460.00
Principal Historian	4	\$115.00	\$460.00
Historian	16	\$65.00	\$1,040.00
Senior Archaeologist	16	\$75.00	\$1,200.00
Cartographer/Graphics Specialist	6	\$65.00	\$390.00
Report Manager	<u>6</u>	\$115.00	<u>\$690.00</u>
Totals	52		\$4,240.00

Task 5. Agency Coordination and Meetings

Principal Investigator	<u>2</u>	\$115.00	<u>\$230.00</u>
Totals	2		\$230.00

Total Labor 113 \$8,515.00

Expenses

Mileage	250 miles @	\$0.56	\$140.00
Field Supplies			<u>\$100.00</u>

Total Expenses \$240.00

Labor	\$8,515.00
Expenses	<u>\$240.00</u>
TOTAL	\$8,755.00