

SIGNATURE PAGE

P-50-2023

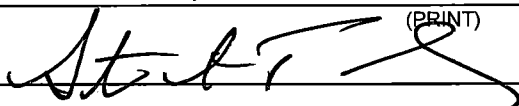
To the Monmouth County Board of County Commissioners:

**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

Signature:  _____
(PRINT) 2/27/24
(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 A. Tardy, PE

FEIN:  _____
(Federal Employee ID)
BRC:  _____

(Business Registration Certificate)

(Revised 2/2017)



**Professional Engineering Services Regarding the Design for the
Replacement of Bridge HL-64 on County Route 21 (Southard Avenue) over Manasquan River
Township of Howell, Monmouth County, New Jersey**



RFP #: P-50-2023

TASK	Project Consultant (PVII)	Senior Project Manager (PVII)	Project Manager (PV)	Project Engineer (PIV)	Senior Staff Engineer (PIII)	Staff Engineer (PII)	Environmental Permit Assistant (ETIV)	Professional Land Surveyor (PVII)	Project Manager Survey	Senior Drafter (ETIV)	Survey Crew Chief (PIII)	Survey Technician (ETIII)	Administrative Services (Clerical)	TOTAL HOURS	LABOR COST BY TASK (See Note 3)
1. Field Survey	0	0	0	0	0	0	0	15	13	60	68	60	0	216	\$ 26,721.90
2. Deed Research & ROW Documents	0	0	0	0	0	0	0	10	4	40	0	0	0	54	\$ 7,284.60
3. Geotechnical Services	2	0	6	26	0	48	0	0	0	0	0	4	6	92	\$ 10,287.00
4. Hydrologic and Hydraulic Analysis	12	0	8	0	104	4	0	0	0	0	0	0	0	128	\$ 16,264.80
5. Environmental Study & Permits	4	52	8	10	40	52	16	0	0	0	0	0	20	202	\$ 26,017.20
6. Alternatives Analysis	3	0	14	0	32	40	0	0	0	0	0	0	0	89	\$ 10,440.90
7. Bridge Design & Contract Documents	12	2	74	0	174	170	0	0	0	0	0	0	24	456	\$ 53,384.40
8. Highway Design & Contract Documents	5	0	31	0	6	119	0	0	0	0	0	0	20	181	\$ 19,990.80
9. Traffic Design & Contract Documents	4	0	6	0	0	12	0	0	0	0	0	0	0	22	\$ 3,056.40
10. Utility Coordination & Contract Documents	1	0	11	0	8	36	0	0	0	0	0	0	20	76	\$ 8,108.10
11. Meetings & Community Involvement	6	4	14	0	0	8	0	0	0	0	0	0	5	37	\$ 5,653.80
12. Project Management	19	0	32	0	8	0	0	0	0	0	0	0	14	73	\$ 11,834.10
13. Construction Support	0	0	14	0	16	28	0	0	0	0	0	0	0	58	\$ 6,804.00
Man-hours	68	58	218	36	388	517	16	25	17	100	68	64	109	1,684	
Direct Salary Rate (See Note 1)	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)							2.70								
TOTAL DIRECT LABOR COST	\$ 15,606.00	\$ 10,805.40	\$ 36,493.20	\$ 4,665.60	\$ 43,999.20	\$ 48,856.50	\$ 1,598.40	\$ 5,737.50	\$ 2,845.80	\$ 10,800.00	\$ 8,629.20	\$ 6,393.60	\$ 9,417.60		\$ 205,848.00

FPA DIRECT EXPENSES	
Hunter Research (see note 6)	\$ 5,424.00
Craig Test Boring (Soil Borings & Traffic Control)	\$ 20,840.00
SUBTOTAL - Sub-Consultants	\$ 26,264.00
Mileage (500 @ \$0.675 / mi)	\$ 337.50
Postage	\$ 250.00
Reproduction (Final Mylars and Submissions)	\$ 1,000.00
Deed & Maps Research	\$ 800.00
NDS - National Data & Surveying Services	\$ 500.00
SUBTOTAL - Misc. Expenses	\$ 2,887.50
TOTAL - Direct Expenses	\$ 29,151.50

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 invoice cost (no profit or overhead).
- 5) Overhead shall include commutation, lodging, meals and indirect expenses.
- 6) Includes Phase 1A Cultural Resources Survey and Architectural Survey. Phase 1B Archaeological Survey (if required) is an additional cost.

TOTAL DIRECT LABOR COST	\$ 205,848.00
TOTAL DIRECT EXPENSES	\$ 29,151.50
TOTAL PROJECT COST	\$ 234,999.50



**Professional Engineering Services Regarding the Design for the
Replacement of Bridge HL-64 on County Route 21 (Southard Avenue) over Manasquan River
Township of Howell, Monmouth County, New Jersey**



RFP #: P-SU-2023

TASK	Project Consultant (PVIII)	Senior Project Manager (PVII)	Project Manager (PV)	Project Engineer (PIV)	Senior Staff Engineer (PIII)	Staff Engineer (PII)	Environmental Permit Assistant (ETIV)	Professional Land Surveyor (PYIII)	Project Manager Survey	Senior Drafter (ETIV)	Survey Crew Chief (PIII)	Survey Technician (ETIII)	Administrative Services (Clerical)	TOTAL HOURS	LABOR COST BY TASK (See Note 3)
1. Field Survey															
Recon, Travers, Ties, Utilities								2	2	4	8	8		24	\$ 3,040.20
Sections, Locations (Roadway)								3	2	16	12	12		45	\$ 5,472.90
Riparian (Stream Cross-Sections)								4	4	20	24	24		76	\$ 9,190.80
Utilities								2	2	8	8	8		28	\$ 3,472.20
Bridge Details, Sections								2	2	4	8	8		24	\$ 3,040.20
Wetlands								2	1	8	8			19	\$ 2,505.60
Drone / Processing														0	\$ -
TASK 1 - Surveying Man-hours	0	0	0	0	0	0	0	15	13	60	68	60	0	216	
Direct Salary Rate (See Note 1)	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)	2.70														
TASK 1 - Surveying Total Direct Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,442.50	\$ 2,176.20	\$ 6,480.00	\$ 8,629.20	\$ 5,994.00	\$ -		\$ 26,721.90
2. Deed Research & ROW Documents															
General Property Parcel Map (GPPM)								4		16				20	\$ 2,646.00
Individual Property Parcel Map (4- IPPM)								6		24				30	\$ 3,969.00
Description									4					4	\$ 669.60
TASK 2 - Right-of-Way Man-hours	0	0	0	0	0	0	0	10	4	40	0	0	0	54	
Direct Salary Rate (See Note 1)	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)	2.70														
TASK 2 - Right-of-Way Total Direct Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,295.00	\$ 669.60	\$ 4,320.00	\$ -	\$ -	\$ -		\$ 7,284.60
3. Geotechnical Services															
Subsurface Exploration			2	2		40							2	46	\$ 4,546.80
Laboratory Testing						8						4		12	\$ 1,155.60
Analysis and Preparation of Geotechnical Report	2		4	24									4	34	\$ 4,584.60
TASK 3 - Geotechnical Services Man-hours	2	0	6	26	0	48	0	0	0	0	0	4	6	92	
Direct Salary Rate (See Note 1)	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)	2.70														
TASK 3 - Geotechnical Services Total Direct Labor Cost	\$ 459.00	\$ -	\$ 1,004.40	\$ 3,369.60	\$ -	\$ 4,536.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 399.60	\$ 518.40		\$ 10,287.00
4. Hydrologic and Hydraulic Analysis															
Hydrologic and Hydraulic Analysis	6		4		84	4								98	\$ 11,950.20
Scour Analysis	6		4		20									30	\$ 4,314.60
TASK 4 - Hydrologic and Hydraulic Analysis Man-hours	12	0	8	0	104	4	0	0	0	0	0	0	0	128	
Direct Salary Rate (See Note 1)	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)	2.70														
TASK 4 - Hydrologic and Hydraulic Analysis Total Direct Labor Cost	\$ 2,754.00	\$ -	\$ 1,339.20	\$ -	\$ 11,793.60	\$ 378.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 16,264.80



**Professional Engineering Services Regarding the Design for the
Replacement of Bridge HL-64 on County Route 21 (Southard Avenue) over Manasquan River
Township of Howell, Monmouth County, New Jersey**



RFP #: P-20-2023

TASK	Project Consultant (PVI)	Senior Project Manager (PVI)	Project Manager (PV)	Project Engineer (PI)	Senior Staff Engineer (PII)	Staff Engineer (PI)	Environmental Permit Assistant (ETI)	Professional Land Surveyor (PVI)	Project Manager Survey	Senior Drafter (ETI)	Survey Crew Chief (PII)	Survey Technician (ETI)	Administrative Services (Clerical)	TOTAL HOURS	LABOR COST BY TASK (See Note 3)
5a. Environmental Study & Permits															
NJDEP Pre-application Meeting	4	4	8	2										18	\$ 3,261.60
NJDEP Flood Hazard area Individual Permit		30			40	24							6	100	\$ 12,911.40
NJDEP Freshwater Wetlands General Permit		12				16	16						6	50	\$ 5,864.40
Freehold SCD Pre-application meeting		4		8										12	\$ 1,782.00
SCS Soil Erosion & Sediment Control Plan Application		2				12							8	22	\$ 2,197.80
														0	\$ -
TASK 5a - Permits Man-hours	4	52	8	10	40	52	16	0	0	0	0	0	20	202	
Direct Salary Rate (See Note 1)	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)							2.70								
TASK 5a - Permits Total Direct Labor Cost	\$ 918.00	\$ 9,687.60	\$ 1,339.20	\$ 1,296.00	\$ 4,536.00	\$ 4,914.00	\$ 1,598.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,728.00		\$ 26,017.20
5b. Green Acres Diversion Permit															
Green Acres-State House Commission Approval (if required)														0	\$ -
TASK 5b - Green Acres Diversion Permit Man-hours	0	0		0	0	0	0	0	0	0	0	0	0	0	
Direct Salary Rate (See Note 1)	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)							2.70								
TASK 5b - Green Acres Diversion Permit Total Direct Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
6. Alternative Analysis															
Conceptual Roadway Alternatives															
Roadway Design Alternatives	1		2		4	16								23	\$ 2,529.90
Cost Estimates & Report			2		4	8								14	\$ 1,544.40
Conceptual Bridge Alternatives															
Bridge Alternatives & Report	1		4		12									17	\$ 2,259.90
Bridge Layout Alternatives	1		4		12									17	\$ 2,259.90
Cost Estimates			2			16								18	\$ 1,846.80
														0	\$ -
TASK 6 - Alternative Analysis Man-hours	3	0	14	0	32	40	0	0	0	0	0	0	0	89	
Direct Salary Rate (See Note 1)	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)							2.70								
TASK 6 - Alternative Analysis Total Direct Labor Cost	\$ 688.50	\$ -	\$ 2,343.60	\$ -	\$ 3,628.80	\$ 3,780.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 10,440.90



Professional Engineering Services Regarding the Design for the
Replacement of Bridge HL-64 on County Route 21 (Southard Avenue) over Manasquan River
Township of Howell, Monmouth County, New Jersey



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7. Bridge Design & Contract Documents															
<i>Preliminary Structural Plans & Supporting Documents</i>															
Topographic Plan (Existing Conditions)			1			8								9	\$ 923.40
Limits of Proposed Improvements with constraints														0	\$ -
General Plan & Elevation (GP&E)			2		4	16								22	\$ 2,300.40
<i>Prepare Interim Structural Plans Bridge</i>															
General Plan, Elevation and Typical Section			4			40								44	\$ 5,205.60
General Notes, Quantities and Bridge Profile														0	\$ -
Staging / Demolition Plan			1			4								5	\$ 545.40
Pile Plan			1			4								5	\$ 545.40
Working Pts. & Footing Plan						8								8	\$ 756.00
Abutment Plan, Elevation & Section			2		8	8								18	\$ 1,998.00
Wingwall Elevations, Section & Details			1		4	8								13	\$ 1,377.00
Pier Plan, Elevation, Section & Detail														0	\$ -
Bearing Plan & Detail						4								4	\$ 378.00
Framing Plan			1		8									9	\$ 1,074.60
Beam Detail Plan			1		16									17	\$ 1,981.80
Deck Plan, Sections, Details & Grading Plan			1			8								9	\$ 923.40
Parapets / Railing Detail			1			4								5	\$ 545.40
Construction Detail Sheets (Non-standard)			2		2	8								12	\$ 1,317.60
Quantities & Estimate	2		4		8	16								30	\$ 3,547.80
Sheet Pile Wall & Cofferdam Plans			1			8								9	\$ 923.40
<i>Prepare Final Structure Documents</i>															
General Plan, Elevation and Typical Section			1		1									2	\$ 280.80
General Notes, Quantities and Bridge Profile			1			8								9	\$ 923.40
Staging / Demolition Plan			1			2								3	\$ 356.40
Pile Plan						2								2	\$ 189.00
Working Pts. & Footing Plan						2								2	\$ 189.00
Abutment Plan, Elevation & Section			1		4									5	\$ 621.00
Wingwall Elevations, Section & Details					4									4	\$ 453.60
Pier Plan, Elevation, Section & Detail														0	\$ -
Bearing Plan & Detail			1			2								3	\$ 356.40
Framing Plan			1			4								5	\$ 545.40
Beam Detail Plan			2		4	8								14	\$ 1,544.40
Deck Plan, Sections, Details & Grading Plan			1			8								9	\$ 923.40
Parapets / Railing Detail						2								2	\$ 189.00
Construction Detail Sheets (Non-standard)			1		1	2								4	\$ 469.80
Quantities & Estimate	2		4		8	16								30	\$ 3,547.80
Sheet Pile Wall & Cofferdam Plans			1		1	2								4	\$ 469.80
Prepare Construction Bar Chart			2		1	2								5	\$ 637.20
Specifications	8		16											24	\$ 4,514.40



**Professional Engineering Services Regarding the Design for the
Replacement of Bridge HL-64 on County Route 21 (Southard Avenue) over Manasquan River
Township of Howell, Monmouth County, New Jersey**



RF# 17-50-2023

TASK	Project Consultant (PVIII)	Senior Project Manager (PVI)	Project Manager (PV)	Project Engineer (PVI)	Senior Staff Engineer (PIII)	Staff Engineer (PII)	Environmental Permit Assistant (ETIV)	Professional Land Surveyor (PVIII)	Project Manager Survey	Senior Drafter (ETIV)	Survey Crew Chief (PIII)	Survey Technician (ETIII)	Administrative Services (Clerical)	TOTAL HOURS	LABOR COST BY TASK (See Note 3)
Structural Design															
Abutment Design			4		24									28	\$ 3,391.20
Wingwall Design			4		8									12	\$ 1,576.80
Pier Design														0	\$ -
Bearing Design			2			6								8	\$ 901.80
Beam Design			4		16									20	\$ 2,484.00
Deck Design			2		4									6	\$ 788.40
Sheet Pile Wall Design		2	2		8									12	\$ 1,614.60
Submissions														0	\$ -
Preliminary Plans & Engineer's Estimate (30%)													4	4	\$ 345.60
Right-of-Way Parcel Maps & Descriptions													4	4	\$ 345.60
Permit Drawings & Applications													4	4	\$ 345.60
Interim Plans, Special Provisions & Engineer's Estimate (75%)													4	4	\$ 345.60
Final Draft Plans, Special Provisions & Engineer's Estimate (95%)													4	4	\$ 345.60
Final Plans, Special Provisions & Engineer's Estimate													4	4	\$ 345.60
TASK 7 - Bridge Design & Contract Doc. Man-hours	12	2	74	0	174	170	0	0	0	0	0	0	24	456	
Direct Salary Rate (See Note 1)	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)							2.70								
TASK 7 - Bridge Design & Contract Doc. Total Direct Labor Cost	\$ 2,754.00	\$ 372.60	\$ 12,387.60	\$ -	\$ 19,731.60	\$ 16,065.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,073.60		\$ 53,384.40
8. Highway Design & Contract Documents															
Preliminary Roadway Design and Plans															
Key Sheet			1			2								3	\$ 356.40
Typical Sections			1			2								3	\$ 356.40
Construction Plans			2			16								18	\$ 1,846.80
Profile			1			2								3	\$ 356.40
Concept Staging Plans														0	\$ -
Cross Sections & Earthwork Summary															\$ -
Roadway Design															
Review Existing Plans & Studies															
Geometric			4			8								12	\$ 1,425.60
Drainage Design			2			8								10	\$ 1,090.80
Guide Rail Design			1			4								5	\$ 545.40
Design Exception Review & Report													4	4	\$ 345.60



Professional Engineering Services Regarding the Design for the
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Township of Howell, Monmouth County, New Jersey



RFP # P-20-2023

TASK	Project Consultant (PVIII)	Senior Project Manager (PVII)	Project Manager (PV)	Project Engineer (PIV)	Senior Staff Engineer (PIII)	Staff Engineer (PII)	Environmental Permit Assistant (ETIV)	Professional Land Surveyor (PVIII)	Project Manager Survey	Senior Drafter (ETIV)	Survey Crew Chief (PIII)	Survey Technician (ETIII)	Administrative Services (Clerical)	TOTAL HOURS	LABOR COST BY TASK (See Note 3)
Interim Design Plans															
Key Sheet						1								1	\$ 94.50
Plan Sheet Index / Tie Sheet			1			1								2	\$ 261.90
Typical Sections			1			2								3	\$ 356.40
Construction Plans	1		1			16								18	\$ 1,908.90
Profile			1			2								3	\$ 356.40
Grading & Drainage Plans	1		1			4								6	\$ 774.90
Signing and Striping Plans			1			2								3	\$ 356.40
Traffic Control Plans			1			4								5	\$ 545.40
Soil Erosion & Sediment Control Plans & Details			1			8								9	\$ 923.40
Cross Sections & Earthwork Summary			1			8								9	\$ 923.40
Construction Detail Sheets (Non-standard)			1			4								5	\$ 545.40
Engineer Estimate			1			8							4	13	\$ 1,269.00
Specifications	1		2										4	7	\$ 909.90
Final Design Plans															
Key Sheet						1								1	\$ 94.50
Plan Sheet Index / Tie Sheet														0	\$ -
Typical Sections						1								1	\$ 94.50
Construction Plans			1			4								5	\$ 545.40
Profile														0	\$ -
Grading & Drainage Plans			1			2								3	\$ 356.40
Signing and Striping Plans						2								2	\$ 189.00
Traffic Control Plans						2								2	\$ 189.00
Soil Erosion & Sediment Control Plans & Details														0	\$ -
Cross Sections & Earthwork Summary			1			4								5	\$ 545.40
Construction Detail Sheets (Non-standard)			1			1								2	\$ 261.90
Engineer Estimate	1		1		4								4	10	\$ 1,196.10
Specifications	1		1		2								4	8	\$ 969.30
TASK 8 - Highway Design & Contract Documents Man-hours															
	5	0	31	0	6	119	0	0	0	0	0	0	20	181	
Direct Salary Rate (See Note 1)															
	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)															
						2.70									
TASK 8 - Highway Design & Contract Doc. Total Direct Labor Cost															
	\$ 1,147.50	\$ -	\$ 5,189.40	\$ -	\$ 680.40	\$ 11,245.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,728.00		\$ 19,990.80



**Professional Engineering Services Regarding the Design for the
Replacement of Bridge HL-64 on County Route 21 (Southard Avenue) over Manasquan River
Township of Howell, Monmouth County, New Jersey**



RFP #: P-SU-2023

TASK	Project Consultant (P/III)	Senior Project Manager (P/II)	Project Manager (P/V)	Project Engineer (P/IV)	Senior Staff Engineer (P/III)	Staff Engineer (P/II)	Environmental Permit Assistant (ET/IV)	Professional Land Surveyor (P/III)	Project Manager Survey	Senior Drafter (ET/IV)	Survey Crew Chief (P/III)	Survey Technician (ET/III)	Administrative Services (Clerical)	TOTAL HOURS	LABOR COST BY TASK (See Note 3)
9. Traffic Design & Contract Documents															
Coordination with Local Officials	2		2			4								8	\$ 1,171.80
Traffic Staging & Alternatives	2		4			8								14	\$ 1,884.60
TASK 9 - Traffic Design & Contract Doc. Man-hours	4	0	6	0	0	12	0	0	0	0	0	0	0	22	
Direct Salary Rate (See Note 1)	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)							2.70								
TASK 9 - Traffic Design & Contract Doc. Total Direct Labor Cost	\$ 918.00	\$ -	\$ 1,004.40	\$ -	\$ -	\$ 1,134.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 3,056.40
10. Utility Coordination & Contract Documents															
Prepare and Maintain Utility Contact List			1			4							8	13	\$ 1,236.60
Utility Verification and Basemap			2			8								10	\$ 1,090.80
Utility Coordination and Field Meeting			4			4							4	12	\$ 1,393.20
Evaluate utility conflicts & relocation alternatives	1		2		4	4							4	15	\$ 1,741.50
Utility Relocation Plans			2		4	16							4	26	\$ 2,646.00
TASK 10 - Utility Coordination Man-hours	1	0	11	0	8	36	0	0	0	0	0	0	20	76	
Direct Salary Rate (See Note 1)	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)							2.70								
TASK 10 - Utility Coordination Total Direct Labor Cost	\$ 229.50	\$ -	\$ 1,841.40	\$ -	\$ 907.20	\$ 3,402.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,728.00		\$ 8,108.10
11. Meetings & Community Involvement															
Kickoff Meeting	2		2											4	\$ 793.80
NJDEP Pre-application meeting	4	4	4											12	\$ 2,332.80
Meeting with Local Authorities			4			4							3	11	\$ 1,306.80
Monthly Meetings			4			4							2	10	\$ 1,220.40
Update Mailing List														0	\$ -
Schedule, Advertise, Attend & Staff One Public Officials Briefing														0	\$ -
Prepare a Display of the Proposed Scheme														0	\$ -
Prepare Handouts for Use at the Public Information Center														0	\$ -
TASK 11 - Meeting & Community Involvement Man-hours	6	4	14	0	0	8	0	0	0	0	0	0	5	37	
Direct Salary Rate (See Note 1)	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)							2.70								
TASK 11 - Meeting & Community Involvement Total Direct Labor Cost	\$ 1,377.00	\$ 745.20	\$ 2,343.60	\$ -	\$ -	\$ 756.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 432.00		\$ 5,653.80
12. Project Management															
Prepare a Project Specific Project Plan of Work	1													1	\$ 229.50
Perform Quality Assurance/Quality Control (QA/QC) Reviews	16		16											32	\$ 6,350.40
Develop & Maintain Design Schedule			4											4	\$ 669.60
Prepare & Submit Quarterly Progress Reports			4											4	\$ 669.60
Project Correspondance	1		4		8								10	23	\$ 2,670.30
Project Coordination	1		4										4	9	\$ 1,244.70
TASK 12 - Project Management Man-hours	19	0	32	0	8	0	0	0	0	0	0	0	14	73	
Direct Salary Rate (See Note 1)	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)							2.70								
TASK 12 - Project Management Total Direct Labor Cost	\$ 4,360.50	\$ -	\$ 5,356.80	\$ -	\$ 907.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,209.60		\$ 11,834.10



**Professional Engineering Services Regarding the Design for the
Replacement of Bridge HL-64 on County Route 21 (Southard Avenue) over Manasquan River
Township of Howell, Monmouth County, New Jersey**



RFP #: P-SU-2023

TASK	Project Consultant (PVII)	Senior Project Manager (PVID)	Project Manager (PV)	Project Engineer (PIV)	Senior Staff Engineer (PIII)	Staff Engineer (PII)	Environmental Permit Assistant (ETIV)	Professional Land Surveyor (PVIII)	Project Manager Survey	Senior Drafter (ETIV)	Survey Crew Chief (PIII)	Survey Technician (ETIII)	Administrative Services (Clerical)	TOTAL HOURS	LABOR COST BY TASK (See Note 3)
13. Construction Support															
Shop Drawings			4		8	28								40	\$ 4,222.80
RFIs			8		8									16	\$ 2,246.40
Substitutes			2											2	\$ 334.80
TASK 13 - Construction Support Man-hours	0	0	14	0	16	28	0	0	0	0	0	0	0	58	
Direct Salary Rate (See Note 1)	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)							2.70								
TASK 13 - Construction Support Total Direct Labor Cost	\$ -	\$ -	\$ 2,343.60	\$ -	\$ 1,814.40	\$ 2,646.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 6,804.00
TOTAL MAN-HOURS	68	58	218	36	388	517	16	25	17	100	68	64	109	1,684	
Direct Salary Rate (See Note 1)	\$85.00	\$69.00	\$62.00	\$48.00	\$42.00	\$35.00	\$37.00	\$85.00	\$62.00	\$40.00	\$47.00	\$37.00	\$32.00		
Multiplier (See Note 2)							2.70								
TOTAL DIRECT LABOR COST	\$ 15,606.00	\$ 10,805.40	\$ 36,493.20	\$ 4,665.60	\$ 43,999.20	\$ 48,856.50	\$ 1,598.40	\$ 5,737.50	\$ 2,845.80	\$ 10,800.00	\$ 8,629.20	\$ 6,393.60	\$ 9,417.60		\$ 205,848.00