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:	Traffic Planning and Design, Inc.
Preparer's Name:	Gregory Bitsko, PE, PP, (PRINT) Senior Project Manager & New Jersey Regional Leader
Signature:	February 22, 2024
Address:	303 West Main Street, Suite 330
	Freehold, NJ 07728
Telephone No.:	Office: 848.444.6105 Direct: 848.208.3428 Cell: 908.596.0858
Fax No.:	610.326.9410
E-Mail Address:	GBitsko@TrafficPD.com
	(This should be the email where Contracts would be sent)
Contact Person:	Gregory Bitsko, PE, PP
FEIN:	
(Federal Employee ID) BRC:	
(Business Registration Certific	cate)
1	(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 IN THE TOWNSHIP OF HOWELL, MONMOUTH COUNTY



Task	Description	PVII (Sr. Project Manager)	PVI (Project Manager)	PV (Technical Manager)	PIV (Project Engineer)	PIII (Engineer)	PII (Junior Engineer)	ETS (Senior Technician)	ET4 (Technician)	ET3 (Junior Technician)	Tech Sec (Admin.)	Total Hours	Labor Cost By Task
1	Field Survey (Geotrek)											0	\$0.00
2	Deed Research & ROW Documents (Geotrek)									-		0	\$0.00
3	Geotechnical Services (CED)											0	\$0.00
4	Hydrologic and Hydraulic Analysis (SWM)											0	\$0.00
5	Environmental Study & Permits	0	4	172	0	24	0	0	0	0	4	204	\$30,170.40
6	Alternatives Analysis	0	6	0	0	50	0	0	0	0	0	56	\$7,852.00
7	Bridge Design & Contract Documents	8	59	0	0	288	0	0	0	0	0	355	\$51,568.40
8	Highway Design & Contract Documents	24	0	54	0	0	198	0	0	0	0	276	\$35,443.20
9	Traffic Design & Contract Documents	0	4	0	0	0	6	0	0	0	0	10	\$1,383.20
10	Utility Coordination & Contract Documents	0	0	15	0	23	0	0	0	0	0	38	\$5,371.60
11	Meetings & Community Involvement	0	10	4	10	0	0	0	0	0	0	24	\$3,827.20
12	Project Management	8	32	0	0	0	0	0	0	0	0	40	\$7,716.80
13	Construction Support	0	10	0	0	30	0	0	0	0	0	40	\$5,876.00
	Man-Hours	40	125	245	10	415	204	0	0	0	4	1,043	
	Direct Salary Rate (See Note 1)	\$91.00	\$70.00	\$58.00	\$54.00	\$52.00	\$42.00	\$38.00	\$32.00	\$30.00	\$25.00		
	Multiplier (See Note 2)			•		2.	60						
	TOTAL LABOR COST	\$9,464.00	\$22,750.00	\$36,946.00	\$1,404.00	\$56,108.00	\$22,276.80	\$0.00	\$0.00	\$0.00	\$260.00		\$149,208.80

DIRECT EXPENSES								
SUBCONSULTANTS								
Field Survey (Geotrck)	\$22,236.00							
Deed Research & ROW Documents & expenses (Geotrek)	\$6,729.93							
Geotechnical Services (CED)	\$28,165.40							
Hydrologic and Hydraulic Analysis (SWM)	\$36,450.00							
Cultural Resources + expenses (HRI)	\$5,423.60							
Traffic Control for Borings	\$4,000.00							
SUBTOTAL-Sub-Consultants	\$103,004.93							
Reproduction	\$500.00							
Postage/Delivery								
Transportation								
Out-of-Pocket Expenses								
SUBTOTAL-Misc, Expenses	\$500.00							
TOTAL DIRECT EXPENSES	\$103,504.93							

NOTES: CONSULTANT COMMENTS & CLARIFICATIONS:

The RFP calls for 4 parcel maps and a GPPM. However, the entire west approach only has a 33' ROW and Green Acres on both sides. TPD plans to design so that we will not neeed any parcels on Green Acres land therefor we will also not need any diversions. There is a 60' dedication on the NE property takings will be required for this location. The only forseable need is for 1 parcel map on the SE corner for Howell Board of Education. Please see below for the deducts for the cost difference anticipaiting only 1 parcel will have a taking of ROW.

TOTAL LABOR COST	\$149,208.80
TOTAL DIRECT EXPENSES	\$103,504.93
TOTAL PROJECT COST	\$252,713.73

Potential Deducts

If Detour is permitted over staged construction						 -\$3,500.00
If County is responsible for Traffic Control						-\$4,000.00
Anticipation of I parcels needed						-\$3,500.00





PROFESSIONAL ENGINEERING SERVICES REGARDING THE DESIGN FOR THE REPLACEMENT OF BRIDGE HL-64 ON COUNTY ROUTE 21 (SOUTHARD AVENUE)
OVER MANASQUAN RIVER IN THE TOWNSHIP OF HOWELL, MONMOUTH COUNTY

Task	Description	PVII (Sr. Project Manager)	PVI (Project Manager)	PV (Technical Manager)	PIV (Project Engineer)	PIII (Engineer)	PII (Junior Engineer)	ET5 (Senior Technician)	ET4 (Technician)	ET3 (Junior Technician)	Tech Sec (Admin.)		Labor Cost By Task
			12.2						#376.7 F.L		20101	44.5	A
1	Field Survey (Geotrals)	. 10	0	0	0	0		0	0	0	0	., 0 .,	\$22,236.00
							r a				14. A.	J. W.	**************************************
2	Deed Research & ROW Documents (Geotrek)	0.	.0	0	SECURIOR SECTION SECTION SECTION		:0	0	0	0		.0	2 (\$5,301:00)
	CETTALL LOUGHER DO THE				2 m				1	, J.	7	a de la companya de l	
3	Geotechnical Services (GDD)	0 .	. 0	. 30	30	. 0	. 0	- 0	0	.0	. 0	. 0	\$28,165.40
	AND COMMENCES OF THE PARTY OF T				* * * * * * * * * * * * * * * * * * * *	10.11							
4	shydrologic and Hydraulic Analysis (SWM)	0	0	0	10	0	0	0 :	0 -	70	0	0	\$36,450.00
			1		4								
50	Environmental Study & Permits	0	**************************************	172	0	24	0	0	0	- 10	4	204	\$30,170.40
	1. Wetland delineation			16								16	\$2,412.80
	2. Individual Freshwater Wetland and Open Water Permit			60							2	62	\$9,178.00
	3. Individual Flood Hazard Permit			80							2	82	\$12,194.00
	4. Permit Plans		2			24						26	\$3,608.80
	5. Coordination with County & DEP		2	16								18	\$2,776.80
					741.9	4 73 (43)					2501	-110	
6.0	Alternatives Analysis	0	6	0	0	. 50	Ð	0	0	0	0	56	\$7,852100
	Concept Roadway Design												
	Roadway Design Alternatives					8						8	\$1,081.60
	2. Cost Estimates & Narrative Report		2			8						10	\$1,445.60
	Concept Bridge Design												
	Bridge Alternatives Analysis & Narrative Report		2			8						10	\$1,445.60
	2. Bridge Geometric Sketches					16						16	\$2,163.20
	3. Bridge Cost Estimates		2			10						12	\$1,716.00





PROFESSIONAL ENGINEERING SERVICES REGARDING THE DESIGN FOR THE REPLACEMENT OF BRIDGE HL-64 ON COUNTY ROUTE 21 (SOUTHARD AVENUE)
OVER MANASQUAN RIVER IN THE TOWNSHIP OF HOWELL, MONMOUTH COUNTY

ask	Description	PVII (Sr. Project Manager)	PVI (Project Manager)	PV (Technical Manager)	PIV (Project Engineer)	PIII (Engineer)	PII (Junior Engineer)	ET5 (Senior Technician)	ET4 (Technician)	ET3 (Junior Technician)	Tech Sec (Admin.)		Labor Cost By Task
7	Biftige Design & Continut Documents		60	n	0	288	Δ:	· 0		. n.		ରଙ୍କ	(\$30.6360.4M)
	Interim Design	1. O					· · · · · · ·			ע י	U ,	ලන්න	@Bridenosco
	General Plan and Elevation		2			12						14	\$1,986.40
	2. Demolition Plan		2			6						8	\$1,175.20
į	Bridge Section and Working Points		2			10						12	\$1,716.00
	4. Staging Plans		2			10						12	\$1,716.00
	5. Pile Design		2			12						14	\$1,986.40
	6. Pile Plans		2			10						12	\$1,716.00
	7. Footing Design		2			12						14	\$1,986.40
	8. Footing Plans		2			10						12	\$1,716.00
	9. Abutment Design		2			12						14	\$1,986.40
	10. Abutment Plans		2			12						14	\$1,986.40
	11. Beam and Bearing Design		2			16						18	\$2,527.20
	12. Beam and Bearing Plans		2			16						18	\$2,527.20
	13. Deck Design		2			6						8	\$1,175.20
- H-	14. Deck Plans		2			10						12	\$1,716.00
	15. Wingwall and Design		2			10						12	\$1,716.00
	16. Wingwall Plans and Sections		2			18						20	\$2,797.60
	17. Parapet / Railing Details		2			8						10	\$1,445.60
	18. Miscellaneous Details		2			8	_					10	\$1,445.60
	19. Rebar Charts		4			8						12	\$1,809.60
	20. Quantities		4			10						14	\$2,080.00
	21. QA/QC	4										4	\$946.40
-	Final Design												
	General Plan and Elevation		2			4						6	\$904.80
	2. Demolition Plan		1			4						5	\$722.80
	3. Bridge Section and Working Points		1			4						5	\$722.80
	4. Staging Plans		1			4						5	\$722.80
	5. Pile Plans		1			4						5	\$722.80
	6. Footing Plans		1			4						5	\$722.80
	7. Abutment Plans		1			4						5	\$722.80
	8. Beam and Bearing Plans		1			8						9	\$1,263.60
	9. Deck Plans		1			4						5.	\$722.80
	10. Wingwall Plans and Sections		1			8						9	\$1,263.60
	11. Parapet / Railing Details		1			4						5	\$722.80
	12. Miscellaneous Details		1			4						5	\$722.80
	13. Rebar Charts		1			8						9	\$1,263.60
	14. Quantities		1			8						9	\$1,263.60
	15. Quality Assurance	4										4	\$946.40





PROFESSIONAL ENGINEERING SERVICES REGARDING THE DESIGN FOR THE REPLACEMENT OF BRIDGE HL-64 ON COUNTY ROUTE 21 (SOUTHARD AVENUE)
OVER MANASQUAN RIVER IN THE TOWNSHIP OF HOWELL, MONMOUTH COUNTY

Task	Description	PVII (Sr. Project Manager)	PVI (Project Manager)	PV (Technical Manager)	PIV (Project Engineer)	PIII (Engineer)	PII (Junior Engineer)	ET5 (Senior Technician)	ET4 (Technician)	ET3 (Junior Technician)	Tech Sec (Admin.)		Labor Cost By Task
9	Highway Design & Contract Documents	24		BA :		0	slavo				m°	978	യാടുവന്നുണ്ട്.
	Interim Design	200	, U :	י עשעיי		Ψ	780	V	V s.	** · · · · ·	Ψ	, CO	\$58,955.20*
	Key Sheet			1			2					3	\$369,20
	Typical Section (1" = 5")			1			10					11	\$1,242,80
	Plan Sheet Layout - Including Survey ties			3			8					11	\$1,326.00
	4. Construction Plan			3			16					19	\$2,199.60
	5. Profile and Alignment Design			3			16					19	\$2,199.60
	6. Profile Plan			2			6					8	\$956.80
	7. Guide Rail Design			2			4					6	\$738.40
	8. Grading Plans			2			8					10	\$1,175.20
	9. Signing & Striping Plan			2		1	8			-		10	\$1,175.20
	10. Staging Plans			3			16					19	\$2,199.60
	11. SESC Plans			3			12					15	\$1,762.80
	12. Cross Sections			4			20					24	\$2,787.20
	13. Construction Details			2			6					8	\$956.80
	14. Quantities			4			10					14	\$1,695.20
	15. Engineer's Estimate			2			8					10	\$1,175.20
	16. QA/QC	4										4	\$946.40
	17. Specifications	4		4								8	\$1,549.60
	Final Design												
	1. Key Sheet			1		_	1					2	\$260.00
	2. Typical Section (1" = 5")			1		1	1					2	\$260.00
	Plan Sheet Layout - Including Survey ties			1			2					3	\$369.20
	4. Construction Plan			1			4					5	\$587.60
	5. Profile			1			4					5	\$587.60
	6. Grading Plan	_		1	_		4					5	\$587.60
	7. Signing & Striping Plan			1			4					5	\$587.60
	8. Detour Plan			1			4					5	\$587.60
	9. SESC Plans			1			4					5	\$587.60
	10. Cross Sections	_		1			4	_				5	\$587.60
	11. Construction Details			1		ļ	2			_		3	\$369.20
	12. Quantities			1			8					9	\$1,024.40
	13. Engineer's Estimate			1		ļ .	6					7	\$806.00
	14. Specifications	8				ļ						8	\$1,892.80
	15. Quality Assurance	8		{						I	1	8	\$1,892.80





PROFESSIONAL ENGINEERING SERVICES REGARDING THE DESIGN FOR THE REPLACEMENT OF BRIDGE HL-64 ON COUNTY ROUTE 21 (SOUTHARD AVENUE) OVER MANASQUAN RIVER IN THE TOWNSHIP OF HOWELL, MONMOUTH COUNTY

Task	Description	PVII (Sr. Project Manager)	PVI (Project Manager)	PV (Technical Manager)	PIV (Project Engineer)	PIII (Engineer)	PII (Junior Engineer)	ET5 (Senior Technician)	ET4 (Technician)	ET3 (Junior Technician)	Tech Sec (Admin.)		Labor Cost By Task
				784 × 20									
9	Therefore Belgin & Continue Documents	-0	-4	0	Ō	2.0	6.	4.790	0	0	- 60	10	\$1,383,20
	Coordination with Local Authorities		2				2					4	\$582.40
	Evaluate traffic detour alternatives		2				4					6	\$800.80
				Bur de			1.4.574	#5 (# Sec.)	1	CONTRACTOR			
-10	Willy Coordination & Contract Documents	0	0	15	0	23.	0.	0.	0.	0 7	0	38	\$5,371.60
	Prepare and Maintain Contact List			3		6						9	\$1,263.60
	Verify Existing Facilities			2		2		1				4	\$572.00
	Utility Coordination & Field Meeting (2)			3		3						6	\$858.00
	4. Evaluate Utility Relocations			3		3						6	\$858.00
	5. Prepare Utility Relocation Plans			3		6						9	\$1,263.60
	Document Utility Relocation/Coordination			1	_	3						4	\$556.40
			\$45; - S	Sec. 12.43	300 DE	C. C. Car		1 1 7 7 7	1.0		100		
111	- Meetings & Community Involvement	0	10	4	10	0.	0	0	9 0 3	0.	0 "	24	\$3,827:20
	Kick-off Meeting		2	2								4	\$665.60
	Meeting with Municipal Traffic Safety Officer			2	2							4	\$582.40
	Meetings w/ Local Authorities (assume 2)		2		2							4	\$644.80
	Pre-Application Meeting		2		2	T				ĺ		4	\$644.80
	5. Project Status/Submission Meetings		4		4							8	\$1,289.60
			FRU	r and							400		
12	Project Management	8	32	0.	- 0	0.	0	.0.	0	0	0	40	\$7,716.80
	1. Progress Reports (12)		6									6	\$1,092.00
	2. Project Coordination		20									20	\$3,640.00
	3. Organize Correspondence		6									6	\$1,092.00
	4. Quality Assurance	8										8	\$1,892.80
					200	1 - 1 - 1 - 1 - 1		Section 10 Mar 1	44	4.00			reka jewa
13	Construction Support	7 . 70	10	0	0	30	0	0	r	o v	10.0	40 7	\$4\$5,876.00
	Shop Drawings		4			30			Section Control of the Control of th	A STATE OF S		34	\$4,784.00
	2. Requests for Information (RFIs)		4				_					4	\$728.00
	3. Substitutions		2									2	\$364.00
4		To Make the	54 / Table 54			N. W. W. Carlo		en en verd	ETP FART	HINT OF A		STATE OF	TOTAL PROPERTY
	Man-Hours	40	125	245	10	415	204	0	0	0	4	1,043	
	Direct Salary Rate (See Note 1)	\$91.00	\$70.00	\$58.00	\$54.00	\$52.00	\$42.00	\$38.00	\$32.00	\$30.00	\$25.00	78 °	
	Multiplier (See Note 2)	2.60									No. 14 July 1		
	TOTAL LABOR COST	\$9,464.00	\$22,750.00	\$36,946.00	\$1,404.00	\$56,108.00	\$22,276.80	\$0.00	\$0.00	\$0.00	\$260.00	of the sign	\$149,208.80
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P-50-2023

PROJECT COST AND WORK HOUR PROPOSAL FORM GeoTrek Environmental and Surveying, LLC (Geotrek)



PROFESSIONAL ENGINEERING SERVICES REGARDING THE DESIGN FOR THE REPLACEMENT OF BRIDGE HL-64 ON COUNTY ROUTE 21 (SOUTHARD AVENUE) OVER MANASQUAN RIVER IN THE TOWNSHIP OF HOWELL, MONMOUTH COUNTY

Task	Description	PVII (Sr. Project Manager)	PVI (Project Manager)	PV (Technical Manager)	PIV (Project Engineer)	PIII (Engineer)	PII (Junior Engineer)	ET5 (Senior Technician)	ET4 (Technician)	ET3 (Junior Technician)	Tech Sec (Admin.)	Total Hours	Labor Cost By Task
1	Field Survey (Geotrek)	3	22	0	0	0	0	65	56	56	0	202	\$22,236.00
2	Deed Research & ROW Documents (Geotrek)	1	4	0	0	0	0	38	0	0	0	43	\$5,301.00
3	Geotechnical Services (CED)											0	\$0.00
4	Hydrologic and Hydraulic Analysis (SWM)									-		0	\$0.00
5	Environmental Study & Permits											0	\$0.00
6	Alternatives Analysis											0	\$0.00
7	Bridge Design & Contract Documents											0	\$0.00
8	Highway Design & Contract Documents											0	\$0.00
9	Traffic Design & Contract Documents											0	\$0.00
10	Utility Coordination & Contract Documents											0	\$0.00
11	Meetings & Community Involvement											0	\$0.00
12	Project Management											0	\$0.00
13	Construction Support								·			0	\$0.00
	Man-Hours	4	26	0	0	0	0	103	56	56	0	245	
	Direct Salary Rate (See Note 1)	\$65.00	\$55.00	\$1.00	\$1.00	\$1.00	\$1.00	\$39.00	\$38.00	\$24.00	\$1.00		
	Multiplier (See Note 2)					3.	00						
	TOTAL LABOR COST	\$780.00	\$4,290.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12,051.00	\$6,384.00	\$4,032.00	\$0.00		\$27,537.00

NOTES: CONSULTANT COMMENTS & CLARIFICATIONS:

DIRECT EXPE	ISES
Reproduction	\$125.00
Postage/Delivery	\$75.50
Transportation	\$990.43
Out-of-Pocket Expenses	\$238.00
SUBTOTAL-Misc. Expenses	\$1,428.93
TOTAL DIRECT EXPENSES	\$1,428.93

TOTAL LABOR COST	\$27,537.00
TOTAL DIRECT EXPENSES	\$1,428.93
TOTAL PROJECT COST	\$28,965.93

P-50-2023

PROJECT COST AND WORK HOUR PROPOSAL FORM Colliers Engineering & Design, Inc. (CED)



PROFESSIONAL ENGINEERING SERVICES REGARDING THE DESIGN FOR THE REPLACEMENT OF BRIDGE HL-64 ON COUNTY ROUTE 21 (SOUTHARD AVENUE) OVER MANASQUAN RIVER IN THE TOWNSHIP OF HOWELL, MONMOUTH COUNTY

Task	Description	PVII (Sr. Project Manager)	PVI (Project Manager)	PV (Technical Manager)	PIV (Project Engineer)	PIII (Engineer)	PII (Junior Engincer)	ET5 (Senior Technician)	ET4 (Technician)	ET3 (Junior Technician)	Tech Sec (Admin.)	Total Hours	Labor Cost By Task
1	Field Survey (Geotrek)		·			_						0	\$0.00
2	Deed Research & ROW Documents (Geotrek)											0	\$0.00
3	Geotechnical Services (CED)	3	5	0	10	9	40	0	0	0	0	67	\$10,265.40
4	Hydrologic and Hydraulic Analysis (SWM)											0	\$0.00
5	Environmental Study & Permits											0	\$0.00
6	Alternatives Analysis								_			0	\$0.00
7	Bridge Design & Contract Documents	-										0	\$0.00
8	Highway Design & Contract Documents											0	\$0.00
9	Traffic Design & Contract Documents											0	\$0.00
10	Utility Coordination & Contract Documents							_				0	\$0.00
11	Meetings & Community Involvement											0	\$0.00
12	Project Management											0	\$0.00
13	Construction Support										-	0	\$0.00
Man-Hours		3	5	0	10	9	40	0	0	0	0	67	
Direct Salary Rate (See Note 1)		\$96.25	\$78.81	\$0.00	\$63.52	\$52.20	\$40.85	\$0.00	\$0.00	\$0.00	\$0.00		256.71.3
	Multiplier (See Note 2) 3.00												
	TOTAL LABOR COST	\$866.25	\$1,182.15	\$0.00	\$1,905.60	\$1,409.40	\$4,902.00	\$0.00	\$0.00	\$0.00	\$0.00		\$10,265.40

DIRECT EXPEN	ISES
Reproduction	
Postage/Delivery	
Subcontractor	\$17,900.00
Out-of-Pocket Expenses	
SUBTOTAL-Misc. Expenses	\$17,900.00
TOTAL DIRECT EXPENSES	\$17,900.00

NOTES: CONSULTANT COMMENTS & CLARIFICATIONS:

TOTAL LABOR COST	\$10,265.40
TOTAL DIRECT EXPENSES	\$17,900.00
TOTAL PROJECT COST	\$28,165.40

Stormwater Management Consulting, LLC (SWM)
SWM - Traffic Planning & Design
Replacement of Monmouth County Bridge HL-64
Preliminary Scope of Work and Cost Estimate
Hydrologic and Hydraulic Design and NJDEP Flood Hazard Area Permitting
February 16, 2024
Revised February 20, 2024

Note: Proposed Based Upon Need for Individual NJDEP FHA Permits

Task No.	Description	Estimated Hours
1	Conduct Structure, Waterway, and Flood Plain Reconnaissance	4
2	Provide Required Field Survey Locations and Details to TPD	2
3	Develop Existing Condition HydroCAD Hydrologic Models	8
4	Develop Existing Condition HEC-RAS Hydraulic Models	10
5	Analyze and Evaluate Existing Condition Capacities and Road Overtoppings	4
6	Develop Preliminary Proposed Condition HEC-RAS Hydraulic Models	8
7	Analyze and Evaluate Pproposed Condition Capacities and Road Overtoppings	4
8	Review Preliminary Results with TPD and Monmouth County	6
9	Develop Proposed Condition HydroCAD Hydrologic Models	6
10	Develop Final Proposed Condition HEC-RAS Models	10
11	Review Final Results with TPD and Monmouth County	6
12	Provide Hydraulic Design Assistance to TPD	6
13	Attend NJDEP Pre-Application Meeting	4
14	Prepare Hydrologic and Hydraulic Design Report	24
15	Provide Design Data for Permit Applications	6
16	Address NJDEP Technical Questions	8
	Subtotal Estimated Hours =	116
	+ 25% Contingencies	29
	Total Estimated Hours =	145
	Hourly Rate for Engineering Services =	\$250
	Total Estimated Engineering Services =	\$36,250
	Estimated Expenses =	\$200
	Total Estimated Charge =	\$36,450

P-50-2023

PROJECT COST AND WORK HOUR PROPOSAL FORM Hunter Research, Inc. (Hunter)

PROFESSIONAL ENGINEERING SERVICES REGARDING THE DESIGN FOR THE REPLACEMENT OF BRIDGE HL-64 ON COUNTY ROUTE 21 (SOUTHARD AVENUE) OVER MANASQUAN RIVER IN THE TOWNSHIP OF HOWELL, MONMOUTH COUNTY



Task	Description	PV (Principal Investigator)	PV (Principal Investigator/ Report Manager)	PIII (Architectural Historian)	PIII (Historian)	ETIII (Senior Archaeologist)	ETII (Graphics Specialist)	ET5 (Senior Technician)	ET4 (Technician)	ET3 (Junior Technician)	Tech Sec (Admin.)	Total Hours	Labor Cost By Task
1	Field Survey (Geotrek)			-								0	\$0.00
2	Deed Research & ROW Documents (Geotrek)								_			0	\$0.00
3	Geotechnical Services (CED)											0	\$0.00
4	Hydrologic and Hydraulic Analysis (SWM)											0	\$0.00
5	Environmental Study & Permits (Hunter)	8	4	2	24	16	6	0	0	0	0	60	\$5,304.00
6	Alternatives Analysis											0	\$0.00
7	Bridge Design & Contract Documents											0	\$0.00
8	Highway Design & Contract Documents										-	0	\$0.00
9	Traffic Design & Contract Documents											0	\$0.00
10	Utility Coordination & Contract Documents											0	\$0.00
11	Meetings & Community Involvement			,								0	\$0.00
12	Project Management											0	\$0.00
13	Construction Support											0	\$0.00
	Man-Hours		4	2	24	16	6	0	0	0	0	60	
	Direct Salary Rate (See Note 1)		\$45.00	\$45.00	\$28.00	\$30.00	\$28.00	\$0.00	\$0.00	\$0.00	\$0.00		
	Multiplier (See Note 2) 2.72												
	TOTAL LABOR COST	\$979.20	\$489.60	\$244.80	\$1,827.84	\$1,305.60	\$456.96	\$0.00	\$0.00	\$0.00	\$0.00		\$5,304.00

NOTES: CONSULTANT COMMENTS & CLARIFICATIONS:

DIRECT EXPENSES						
Reproduction	\$50.00					
Postage/Delivery						
Transportation	\$69.60					
Out-of-Pocket Expenses						
SUBTOTAL-Misc. Expenses	\$119.60					
TOTAL DIRECT EXPENSES	\$119.60					

TOTAL LABOR COST	\$5,304.00
TOTAL DIRECT EXPENSES	\$119.60
TOTAL PROJECT COST	\$5,423.60