

SIGNATURE PAGE

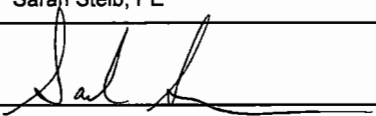
P-56-2024

To the Board of County Commissioners of the County of Monmouth:

**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: NV5, Inc. _____
(PRINT)

Preparer's Name: Sarah Steib, PE _____
(PRINT)

Signature:  _____ February 3, 2025
(DATE)


Address: 800 Lanidex Plaza, Suite 300 _____
Parsippany, NJ 07054 _____


Telephone No.: 973-946-5600 _____

Fax No.: 973-984-5421 _____

E-Mail Address: Sarah.Steib@nv5.com _____
***** (This should be the email where Contracts would be sent) *****

Contact Person: Sarah Steib, PE, Sarah.Steib@nv5.com _____

FEIN:  _____
(Federal Employee ID)

BRC:  _____
(Business Registration Cert.)

(Revised 2/2017)



**Professional Engineering Services Regarding the Design for the
Replacement of Bridge MS-48 on County Route 1 (Perrineville Road) over a Tributary to Rocky Brook and
Rehabilitation of the Perrineville Lake Dam
Township of Millstone, Monmouth County, New Jersey**



RFP #: P-56-2024

TASK	Principal in Charge (PVIII)	Director (PVII)	Supervising Engineer (PVI)	Principal Engineer (PV)	Senior Engineer / Senior Environmental Specialist (PIV)	Engineer (PIII)	Assistant Engineer (PII)	Principal Engineering Technician (ETV)	Technician (ETI)	TOTAL HOURS	LABOR COST BY TASK (See Note 3)
1. Field Survey	0	0	4	0	0	0	0	0	0	4	\$ 919.34
2. Deed Research & ROW Documents	4	0	12	0	0	0	16	0	0	32	\$ 5,796.61
3. Geotechnical Services	8	0	35	0	36	42	0	0	16	137	\$ 22,001.81
4. Hydrologic and Hydraulic Analysis	0	0	50	0	115	125	0	0	0	290	\$ 43,560.30
5. Environmental Study & Permits	0	25	61	120	477	260	220	115	80	1,358	\$ 189,983.56
6. Alternatives Analysis	12	12	14	0	0	72	120	0	0	230	\$ 32,172.54
7. Bridge Design & Contract Documents	2	52	11	0	0	158	340	0	0	563	\$ 73,893.16
8. Dam Design & Contract Documents	2	43	11	0	0	142	316	0	0	514	\$ 66,956.60
9. Highway Design & Contract Documents	9	4	59	0	0	131	238	0	0	441	\$ 59,987.89
10. Traffic Design & Contract Documents	0	0	0	10	0	0	36	0	0	46	\$ 5,926.78
11. Utility Coordination & Contract Documents	0	0	12	0	0	18	64	0	0	94	\$ 12,170.13
12. Meetings & Community Involvement	24	2	45	0	32	4	36	0	4	147	\$ 27,806.74
13. Project Management	28	0	96	0	0	46	0	0	0	170	\$ 36,119.34
14. Construction Support	0	8	0	16	0	0	80	0	0	104	\$ 14,071.08
Man-hours	89	146	410	146	660	998	1,466	115	100	4,130	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)										2.65	
TOTAL DIRECT LABOR COST	\$ 27,212.37	\$ 37,347.46	\$ 94,232.15	\$ 26,889.55	\$ 98,363.76	\$ 119,196.63	\$ 166,351.42	\$ 14,710.28	\$ 7,062.25		\$ 591,365.86

NV5 DIRECT EXPENSES	
Churchill Consulting Engineers (Survey and ROW)	\$ 74,529.69
SUBTOTAL - Sub-Consultants	\$ 74,529.69
Mileage (2,500 @ \$0.70 / mi)	\$ 1,750.00
Postage and Notice to Property Owners	\$ 850.00
Reproduction (Final Mylars and Submissions)	\$ 1,500.00
Boring Brothers with Traffic Control	\$ 29,200.00
NHP Letter	\$ 70.00
SUBTOTAL - Misc. Expenses	\$ 33,370.00
TOTAL - Direct Expenses	\$ 107,899.69

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.

TOTAL DIRECT LABOR COST	\$ 591,365.86
TOTAL DIRECT EXPENSES	\$ 107,899.69
TOTAL PROJECT COST	\$ 699,265.55

*See next page for Comments and Clarifications

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Township of Millstone, Monmouth County, New Jersey**



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NV5 COMMENTS AND CLARIFICATIONS

** Note if no hours associated with task then Subconsultant or Direct Expense*

TASK	Principal in Charge (PVIII)	Director (PVII)	Supervising Engineer (PVI)	Principal Engineer (PV)	Senior Engineer / Senior Environmental Specialist (PIV)	Engineer (PIII)	Assistant Engineer (PII)	Principal Engineering Technician (ETV)	Technician (ETI)	TOTAL HOURS	LABOR COST BY TASK (See Note 3)
1. Field Survey											
Bathymetric Survey (Churchill Consulting Engineers)											\$ 25,261.21
Downstream Structure Survey (Churchill Consulting Engineers)											\$ 6,880.43
2. Deed Research & ROW Documents											
Parcel Mapping for (3) Three Properties (Churchill Consulting Engineers)											\$ 13,888.92
3. Geotechnical Services											
(3) Three Roadway Realignment Borings			1		8	1				10	\$ 1,541.56
(3) Three Roadway Realignment Borings (Boring Brothers with Traffic Control)											\$ 5,350.00
Stormwater Management Test Pits			1		8	1		4		14	\$ 2,053.22
Stormwater Management Test Pits (Boring Brothers with Traffic Control)											\$ 4,950.00
5. Environmental Study & Permits											
Phase 1B Archeological Survey					90				32	122	\$ 15,673.16
NJDEP Flood Hazard Area Individual Permit		1	20		80	80				181	\$ 26,330.21
Man-hours	<i>0</i>	<i>1</i>	<i>22</i>	<i>0</i>	<i>186</i>	<i>82</i>	<i>0</i>	<i>4</i>	<i>32</i>	<i>327</i>	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)					2.65						
TOTAL DIRECT LABOR COST	\$ -	\$ 255.80	\$ 5,056.36	\$ -	\$ 27,720.70	\$ 9,793.71	\$ -	\$ 511.66	\$ 2,259.92		\$ 45,598.15

ADDITIONAL	
TOTAL DIRECT LABOR COST	\$ 45,598.15
TOTAL DIRECT EXPENSES	\$ 56,330.56
TOTAL PROJECT COST	\$ 101,928.71



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1. Field Survey											
Document Review			4							4	\$ 919.34
TASK 1 - Surveying Man-hours	0	0	4	0	0	0	0	0	0	4	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)	2.65										
TASK 1 - Surveying Total Direct Labor Cost	\$ -	\$ -	\$ 919.34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 919.34
2. Deed Research & ROW Documents											
Mapping Concepts	4		8				16			28	\$ 4,877.27
Mapping Review			4							4	\$ 919.34
TASK 2 - Right-of-Way Man-hours	4	0	12	0	0	0	16	0	0	32	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)	2.65										
TASK 2 - Right-of-Way Total Direct Labor Cost	\$ 1,223.03	\$ -	\$ 2,758.01	\$ -	\$ -	\$ -	\$ 1,815.57	\$ -	\$ -		\$ 5,796.61
3. Geotechnical Services											
Subsurface Exploration			4		32					36	\$ 5,688.49
Laboratory Testing			1		4				16	21	\$ 1,955.94
Analysis and Preparation of Geotechnical Report	8		30			42				80	\$ 14,357.38
TASK 3 - Geotechnical Services Man-hours	8	0	35	0	36	42	0	0	16	137	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)	2.65										
TASK 3 - Geotechnical Services Total Direct Labor Cost	\$ 2,446.06	\$ -	\$ 8,044.21	\$ -	\$ 5,365.30	\$ 5,016.29	\$ -	\$ -	\$ 1,129.96		\$ 22,001.81
4. Hydrologic and Hydraulic Analysis											
Hydrologic and Hydraulic Analysis			40		90	125				255	\$ 37,536.06
Scour Analysis			10		25					35	\$ 6,024.25
TASK 4 - Hydrologic and Hydraulic Analysis Man-hours	0	0	50	0	115	125	0	0	0	290	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)	2.65										
TASK 4 - Hydrologic and Hydraulic Analysis Total Direct Labor Cost	\$ -	\$ -	\$ 11,491.73	\$ -	\$ 17,139.14	\$ 14,929.44	\$ -	\$ -	\$ -		\$ 43,560.30
5. Environmental Study & Permits											
Alternatives Analysis										0	\$ -



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Environmental Evaluation		2			20		30	5		57	\$ 7,536.10
H&H Evaluation		1	14		16		20			51	\$ 8,127.52
Prepare EO-215 Documentation		6			10		40			56	\$ 7,564.11
Wetland Delineation, T&E Habitat Assessment & Reports		2			26		40	110	80	258	\$ 28,645.97
Site Contamination Screening/Hazardous Materials		2		20		35				57	\$ 8,375.35
FEMA No-Rise Certification or CLOMAR			10		20	25				55	\$ 8,264.95
Dam Safety Permit			20		40	50				110	\$ 16,529.91
Stormwater Management Compliance		3	10		25	40				78	#REF!
NJDEP Freshwater Wetlands GP12, FWW IP, & Mitigation Review					90		90			180	\$ 24,393.22
Phase IA Archaeological Survey					86					86	\$ 12,817.10
Green Acres Approval										0	\$ -
1. Pre-Application		2		60	90	70				222	\$ 33,335.83
2. Final Application Part 1		2		30	30	30				92	\$ 14,091.00
3. Final Application Part 2		5		10	10	10				35	\$ 5,805.49
Freehold SCD Pre-application meeting			4		4					8	\$ 1,515.48
NJDEP 5G3 Permit			1		5					6	\$ 975.01
SCS Soil Erosion & Sediment Control Plan Application			2		5					7	\$ 1,204.85
TASK 5 - Permits Man-hours	0	25	61	120	477	260	220	115	80	1,358	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)					2.65						
TASK 5 - Permits Total Direct Labor Cost	\$ -	\$ 6,395.11	\$ 14,019.90	\$ 22,101.00	\$ 71,090.17	\$ 31,053.23	\$ 24,964.06	\$ 14,710.28	\$ 5,649.80		\$ 189,983.56
6. Alternative Analysis											
Roadway Design Alternatives	8	8				40	60			116	\$ 16,078.29
Dam Design Alternatives	1	2	4			8	20			35	\$ 4,961.65
Bridge Design Alternatives	1	2	4			8	20			35	\$ 4,961.65
Report	2		4			12				18	\$ 2,964.08
Cost Estimates			2			4	20			26	\$ 3,206.87
TASK 6 - Alternative Analysis Man-hours	12	12	14	0	0	72	120	0	0	230	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)					2.65						



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TASK 6 - Alternative Analysis Total Direct Labor Cost	\$ 3,669.08	\$ 3,069.65	\$ 3,217.68	\$ -	\$ -	\$ 8,599.36	\$ 13,616.76	\$ -	\$ -		\$ 32,172.54
7. Bridge Design & Contract Documents											
<i>Preliminary Structural Plans & Supporting Documents</i>											
<i>Bridge General Plan & Elevation (GP&E)</i>	2	4				8	32			46	\$ 6,221.35
<i>Prepare Interim Structural Plans Bridge</i>											
<i>General Plan, Elevation and Typical Section</i>		4				8	24			36	\$ 4,702.05
<i>General Notes, Quantities and Bridge Profile</i>										0	\$ -
<i>Staging / Demolition Plan</i>		4				6	14			24	\$ 3,328.45
<i>Pile Plan</i>		2				4	14			20	\$ 2,577.97
<i>Working Pts. & Footing Plan</i>		2				4	14			20	\$ 2,577.97
<i>Abutment Plan, Elevation & Section</i>		1				4	12			17	\$ 2,095.22
<i>Wingwall Elevations, Section & Details</i>		1				2	10			13	\$ 1,629.41
<i>Pier Plan, Elevation, Section & Detail</i>										0	\$ -
<i>Bearing Plan & Detail</i>		2				2	8			12	\$ 1,658.26
<i>Framing Plan</i>		2				4	14			20	\$ 2,577.97
<i>Beam Detail Plan</i>		2				2	10			14	\$ 1,885.21
<i>Deck Plan, Sections, Details & Grading Plan</i>		2				4	14			20	\$ 2,577.97
<i>Parapets / Railing Detail</i>		2				4	14			20	\$ 2,577.97
<i>Construction Detail Sheets (Non-standard)</i>		2				2	6			10	\$ 1,431.32
<i>Quantities & Estimate</i>		2				2	10			14	\$ 1,885.21
<i>Sheet Pile Wall & Cofferdam Plans</i>		2				4	14			20	\$ 2,577.97
<i>Prepare Final Structure Documents</i>											
<i>General Plan, Elevation and Typical Section</i>			1			2	4			7	\$ 922.60
<i>General Notes, Quantities and Bridge Profile</i>			1			2	4			7	\$ 922.60
<i>Staging / Demolition Plan</i>			1			2	4			7	\$ 922.60
<i>Pile Plan</i>						2	4			6	\$ 692.76
<i>Working Pts. & Footing Plan</i>						2	4			6	\$ 692.76
<i>Abutment Plan, Elevation & Section</i>			1			1	2			4	\$ 576.22
<i>Wingwall Elevations, Section & Details</i>						1	2			3	\$ 346.38
<i>Pier Plan, Elevation, Section & Detail</i>										0	\$ -
<i>Bearing Plan & Detail</i>			1			2	4			7	\$ 922.60

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<i>Framing Plan</i>			1			2	4			7	\$ 922.60
<i>Beam Detail Plan</i>						2	4			6	\$ 692.76
<i>Deck Plan, Sections, Details & Grading Plan</i>			1			2	4			7	\$ 922.60
<i>Parapets / Railing Detail</i>						2	4			6	\$ 692.76
<i>Construction Detail Sheets (Non-standard)</i>			1			2	4			7	\$ 922.60
<i>Quantities & Estimate</i>			1			2	4			7	\$ 922.60
<i>Sheet Pile Wall & Cofferdam Plans</i>			1			2	4			7	\$ 922.60
<i>Prepare Construction Bar Chart</i>			1			2	4			7	\$ 922.60
<i>Specifications</i>		8				40				48	\$ 6,823.86
Structural Design											
<i>Abutment Design</i>		2				2	18			22	\$ 2,792.99
<i>Wingwall Design</i>		2				2	18			22	\$ 2,792.99
<i>Pier Design</i>										0	\$ -
<i>Bearing Design</i>		1				2	6			9	\$ 1,175.51
<i>Beam Design</i>		2				12				14	\$ 1,944.84
<i>Deck Design</i>		1				2	2			5	\$ 721.62
<i>Sheet Pile Wall Design</i>		2				8	20			30	\$ 3,736.55
Submissions										0	\$ -
Preliminary Plans & Engineer's Estimate (30%)							1			1	\$ 113.47
Right-of-Way Parcel Maps & Descriptions							1			1	\$ 113.47
Permit Drawings & Applications							1			1	\$ 113.47
Interim Plans, Special Provisions & Engineer's Estimate (75%)							1			1	\$ 113.47
Final Draft Plans, Special Provisions & Engineer's Estimate (95%)							1			1	\$ 113.47
Final Plans, Special Provisions & Engineer's Estimate							1			1	\$ 113.47
TASK 7 - Bridge Design & Contract Doc. Man-hours	2	52	11	0	0	158	340	0	0	563	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)										2.65	
TASK 7 - Bridge Design & Contract Doc. Total Direct Labor Cost	\$ 611.51	\$ 13,301.83	\$ 2,528.18	\$ -	\$ -	\$ 18,870.81	\$ 38,580.82	\$ -	\$ -		\$ 73,893.16
8. Dam Design & Contract Documents											
<i>Preliminary Plans & Supporting Documents</i>											
<i>Spillway General Plan & Elevation (GP&E)</i>	2	4				8	32			46	\$ 6,221.35

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Interim Plans											
Spillway General Plan, Elevation and Typical Section		4				8	24			36	\$ 4,702.05
General Notes and Quantities										0	\$ -
Staging / Demolition Plan		4				6	14			24	\$ 3,328.45
Layout Plan		2				4	14			20	\$ 2,577.97
Pile Plan		2				4	14			20	\$ 2,577.97
Working Pts. & Footing Plan		2				4	14			20	\$ 2,577.97
Spillway Elevation & Sections		2				6	18			26	\$ 3,270.74
Concrete Apron Plan & Sections		2				4	14			20	\$ 2,577.97
Concrete Apron Miscellaneous Details										0	\$ -
Sluice Gate Plan and Details		2				6	18			26	\$ 3,270.74
Quantities & Estimate		2				2	8			12	\$ 1,658.26
Sheet Pile Wall & Cofferdam Plans		2				4	14			20	\$ 2,577.97
Final Design Documents											
Spillway General Plan, Elevation and Typical Section			1			2	4			7	\$ 922.60
General Notes and Quantities			1			2	4			7	\$ 922.60
Staging / Demolition Plan			1			2	4			7	\$ 922.60
Layout Plan			1			2	4			7	\$ 922.60
Pile Plan						2	4			6	\$ 692.76
Working Pts. & Footing Plan						2	4			6	\$ 692.76
Spillway Elevation & Sections			1			2	4			7	\$ 922.60
Concrete Apron Plan & Sections			1			2	4			7	\$ 922.60
Concrete Apron Miscellaneous Details			1			2	4			7	\$ 922.60
Sluice Gate Plan and Details			1			2	4			7	\$ 922.60
Quantities & Estimate			1			2	4			7	\$ 922.60
Sheet Pile Wall & Cofferdam Plans			1			2	4			7	\$ 922.60
Prepare Construction Bar Chart			1			2	4			7	\$ 922.60
Specifications		8				40				48	\$ 6,823.86
Structural Design											
Spillway Design		2				2	20			24	\$ 3,019.94
Apron Design		1				2	10			13	\$ 1,629.41



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<i>Sluice Gate Design</i>		2				8	24			34	\$ 4,190.45
<i>Sheet Pile Wall Design</i>		2				8	20			30	\$ 3,736.55
Submissions										0	\$ -
Preliminary Plans & Engineer's Estimate (30%)							1			1	\$ 113.47
Right-of-Way Parcel Maps & Descriptions							1			1	\$ 113.47
Permit Drawings & Applications							1			1	\$ 113.47
Interim Plans, Special Provisions & Engineer's Estimate (75%)							1			1	\$ 113.47
Final Draft Plans, Special Provisions & Engineer's Estimate (95%)							1			1	\$ 113.47
Final Plans, Special Provisions & Engineer's Estimate							1			1	\$ 113.47
TASK 8 - Dam Design & Contract Doc. Man-hours	2	43	11	0	0	142	316	0	0	514	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)					2.65						
TASK 8 - Bridge Design & Contract Doc. Total Direct Labor Cost	\$ 611.51	\$ 10,999.59	\$ 2,528.18	\$ -	\$ -	\$ 16,959.84	\$ 35,857.47	\$ -	\$ -		\$ 66,956.60
9. Highway Design & Contract Documents											
<i>Preliminary Roadway Design and Plans</i>											
<i>Key Sheet</i>						2	2			4	\$ 465.82
<i>Typical Sections</i>			1			2	2			5	\$ 695.65
<i>Construction Plans</i>	2		4			8	8			22	\$ 3,394.12
<i>Profile</i>	1		1			8	4			14	\$ 1,944.97
<i>Concept Staging Plans</i>			1			4	4			9	\$ 1,161.47
<i>Cross Sections & Earthwork Summary</i>											\$ -
Roadway Design											
<i>Review Existing Plans & Studies</i>											
<i>Geometric</i>	4		8			8	32			52	\$ 7,648.32
<i>Drainage Design</i>			8			12	40			60	\$ 7,810.82
<i>Guide Rail Design</i>						8	12			20	\$ 2,317.16
<i>Park Improvement Layout</i>		4	16			20	40			80	\$ 11,628.20
<i>Design Exception Review & Report</i>										0	\$ -
Interim Design Plans											
<i>Key Sheet</i>			1			1	1			3	\$ 462.74
<i>Plan Sheet Index / Tie Sheet</i>						1	2			3	\$ 346.38



**Professional Engineering Services Regarding the Design for the
Replacement of Bridge MS-48 on County Route 1 (Perrineville Road) over a Tributary to Rocky Brook and
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RFP #: P-56-2024

TASK	Principal in Charge (PVIII)	Director (PVII)	Supervising Engineer (PVI)	Principal Engineer (PV)	Senior Engineer / Senior Environmental Specialist (PIV)	Engineer (PIII)	Assistant Engineer (PII)	Principal Engineering Technician (ETV)	Technician (ETI)	TOTAL HOURS	LABOR COST BY TASK (See Note 3)
Typical Sections			1			2	2			5	\$ 695.65
Construction Plans			1			4	12			17	\$ 2,069.25
Profile			1			2	4			7	\$ 922.60
Grading & Drainage Plans			1			4	4			9	\$ 1,161.47
Signing and Striping Plans						2	4			6	\$ 692.76
Traffic Control Plans						2	6			8	\$ 919.71
Soil Erosion & Sediment Control Plans & Details			1			4	16			21	\$ 2,523.14
Cross Sections & Earthwork Summary			1			4	12			17	\$ 2,069.25
Construction Detail Sheets (Non-standard)						2	4			6	\$ 692.76
Engineer Estimate			1			4	4			9	\$ 1,161.47
Specifications			1			4	4			9	\$ 1,161.47
Final Design Plans											
Key Sheet						1	1			2	\$ 232.91
Plan Sheet Index / Tie Sheet			1			1	2			4	\$ 576.22
Typical Sections			1			1	1			3	\$ 462.74
Construction Plans			1			4	4			9	\$ 1,161.47
Profile			1			2	1			4	\$ 582.18
Grading & Drainage Plans			1			2	2			5	\$ 695.65
Signing and Striping Plans			1			1	2			4	\$ 576.22
Traffic Control Plans			1			2	2			5	\$ 695.65
Soil Erosion & Sediment Control Plans & Details			1			1	2			4	\$ 576.22
Cross Sections & Earthwork Summary			1			1	1			3	\$ 462.74
Construction Detail Sheets (Non-standard)						1	1			2	\$ 232.91
Engineer Estimate	1		1			4				6	\$ 1,013.33
Specifications	1		1			2				4	\$ 774.46
TASK 9 - Highway Design & Contract Documents Man-hours	9	4	59	0	0	131	238	0	0	441	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)						2.65					
TASK 9 - Highway Design & Contract Doc. Total Direct Labor Cost	\$ 2,751.81	\$ 1,023.22	\$ 13,560.24	\$ -	\$ -	\$ 15,646.05	\$ 27,006.57	\$ -	\$ -		\$ 59,987.89
10. Traffic Design & Contract Documents											

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Coordination with Local Officials				2			4			6	\$ 822.24
Traffic Detour				8			32			40	\$ 5,104.54
TASK 10 - Traffic Design & Contract Doc. Man-hours	0	0	0	10	0	0	36	0	0	46	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)	2.65										
TASK 10 - Traffic Design & Contract Doc. Total Direct Labor Cost	\$ -	\$ -	\$ -	\$ 1,841.75	\$ -	\$ -	\$ 4,085.03	\$ -	\$ -		\$ 5,926.78
11. Utility Coordination & Contract Documents											
Prepare and Maintain Utility Contact List						2	8			10	\$ 1,146.66
Utility Verification and Basemap							8			8	\$ 907.78
Utility Coordination and Field Meeting			8			8	16			32	\$ 4,609.73
Evaluate utility conflicts & relocation alternatives			2			4	16			22	\$ 2,752.98
Utility Relocation Plans			2			4	16			22	\$ 2,752.98
TASK 11 - Utility Coordination Man-hours	0	0	12	0	0	18	64	0	0	94	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)	2.65										
TASK 11 - Utility Coordination Total Direct Labor Cost	\$ -	\$ -	\$ 2,758.01	\$ -	\$ -	\$ 2,149.84	\$ 7,262.27	\$ -	\$ -		\$ 12,170.13
12. Meetings & Community Involvement											
Kickoff Meeting	4		4			4				12	\$ 2,620.11
NJDEP Pre-application meeting	4	2	5		32				4	47	\$ 7,935.45
Meeting with Local Authorities	12		12				12			36	\$ 7,788.77
Monthly Meetings	4		24				24			52	\$ 9,462.41
TASK 12 - Meeting & Community Involvement Man-hours	24	2	45	0	32	4	36	0	4	147	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)	2.65										
TASK 12 - Meeting & Community Involvement Total Direct Labor Cost	\$ 7,338.17	\$ 511.61	\$ 10,342.55	\$ -	\$ 4,769.15	\$ 477.74	\$ 4,085.03	\$ -	\$ 282.49		\$ 27,806.74
13. Project Management											
Prepare a Project Specific Project Plan of Work	2									2	\$ 611.51
Perform Quality Assurance/Quality Control (QA/QC) Reviews	18									18	\$ 5,503.63
Develop & Maintain Design Schedule			24							24	\$ 5,516.03
Prepare & Submit Quarterly Progress Reports			24							24	\$ 5,516.03
Project Correspondance	4		24			16				44	\$ 8,650.02

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Project Coordination	4		24			30				58	\$ 10,322.12
TASK 13 - Project Management Man-hours	28	0	96	0	0	46	0	0	0	170	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)	2.65										
TASK 13 - Project Management Total Direct Labor Cost	\$ 8,561.20	\$ -	\$ 22,064.11	\$ -	\$ -	\$ 5,494.03	\$ -	\$ -	\$ -		\$ 36,119.34
14. Construction Support											
Shop Drawings		4		4			64			72	\$ 9,022.19
RFI's		4		8			16			28	\$ 4,312.19
Substitutes				4						4	\$ 736.70
TASK 14 - Construction Support Man-hours	0	8	0	16	0	0	80	0	0	104	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)	2.65										
TASK 14 - Construction Support Total Direct Labor Cost	\$ -	\$ 2,046.44	\$ -	\$ 2,946.80	\$ -	\$ -	\$ 9,077.84	\$ -	\$ -		\$ 14,071.08
TOTAL MAN-HOURS	89	146	410	146	660	998	1,466	115	100	4,130	
Direct Salary Rate (See Note 1)	\$115.38	\$96.53	\$86.73	\$69.50	\$56.24	\$45.07	\$42.82	\$48.27	\$26.65		
Multiplier (See Note 2)	2.65										
TOTAL DIRECT LABOR COST	\$ 27,212.37	\$ 37,347.46	\$ 94,232.15	\$ 26,889.55	\$ 98,363.76	\$ 119,196.63	\$ 166,351.42	\$ 14,710.28	\$ 7,062.25		\$ 591,365.86