

RESOLUTION NO. 65-2021

Introduced by Mark Claus

A RESOLUTION AMENDING RESOLUTION 2020-24, ADOPTED MARCH 31, 2020, AUTHORIZING THE CITY MANAGER TO EXECUTE A CONTRACT MODIFICATION FROM CTL ENGINEERING, INC. FOR ADDITIONAL CONSTRUCTION INSPECTION AND CONSTRUCTION ADMINISTRATION SERVICES RELATING TO THE US 6 PHASE I PAVING PROJECT (ERI-6-17.49) IN AN INCREASED AMOUNT NOT TO EXCEED THIRTY-THREE THOUSAND TWO HUNDRED TWENTY-FOUR AND 00/100 DOLLARS (\$33,224.00)

WHEREAS, on March 31, 2020, the City authorized the execution of an agreement with CTL Engineering, Inc. for the provision of construction inspection and construction administration services for the US 6 Phase I Paving Project, ERI-6-17.49 ("Route 6 Agreement"), a copy of which is attached hereto as Exhibit A; and


WHEREAS, subsequent to execution of the Route 6 Agreement, the Project was expanded relating to certain modifications to final pavement markings, as approved by Council on August 10, 2021;

NOW THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF HURON, OHIO:


SECTION 1. The City Manager shall be, and he hereby is, authorized and directed to accept contract modifications from CTL Engineering, Inc. to reflect the additional inspection and construction administration services performed related to the US 6 Phase I Paving Project, ERI-6-17.49 in an increased amount not to exceed Thirty-Three Thousand Two Hundred Twenty-Four and 00/100 Dollars (\$33,224.00). This contract modification shall be in substantially the form of the Contract Modification attached hereto as Exhibit "B" and made a part hereof.

SECTION 2. That this Council hereby finds and determines that all formal actions relative to the adoption of this Resolution were taken in an open meeting of this Council and that all deliberations of this Council and of its Committees, if any, which resulted in formal action, were taken in meetings open to the public in full compliance with applicable legal requirements, including O.R.C. §121.22.

SECTION 3. That this Resolution shall go into effect, and be in full force and effect, immediately upon its passage.



Sam Artino, Mayor

ATTESTED: 

Clerk of Council

ADOPTED: 28 SEP 2021

CTL Engineering, Inc.
3085 Interstate Parkway, Brunswick, OH 44212
Phone: 330/220-8900 • Fax: 330/220-8944
Email: ctcleve@ctleng.com

AN EMPLOYEE OWNED COMPANY



Consulting Engineers • Testing • Inspection Services • Analytical Laboratories

Established 1927

March 18, 2020

Doug Green
City of Huron Engineer's Office
417 Main St.
Huron, OH 44839

Attention: Mr. Doug Green

Reference: Letter of Interest for Construction Inspection and Construction Administration Services
ERI-6-17.49, PID 100421
CTL Engineering Proposal Number 20020013CLE

Mr. Green:

CTL Engineering, Inc. (CTL) is pleased to submit this proposal for providing construction administration, inspection, and field testing services for the ERI-6-17.49 project. This proposal outlines our understanding of the project, CTL's scope of work and fees.

GENERAL PROJECT DESCRIPTION

The services include Construction Inspection and Construction Administration services for the resurfacing of U.S.6 from Williams Street to the eastern city limits. Included in this project is curbing, decorative crosswalks, sidewalks, upgraded ADA facilities, upgraded signal at Main Street, and remove signal at Berlin Road.

SCOPE OF SERVICES

CTL Engineering will provide construction administration and construction inspection for the duration of the project. We will provide on-site services on a full-time or part-time basis, depending on the scope and schedule of the work item, including project administration and project inspection of all work activities. We anticipate that our services will include the following:

1. Developing and maintaining project records using Appia Construction Management Software to administer the project.
2. Providing direction to the contractor on "as directed items".
3. Preparing and processing change orders.
4. Performing quality control inspections and monitoring compliance with contract requirements.
5. Monitoring and Documentation of Materials Management Process
6. Performing measurements and preparing quantity determinations.
7. Preparing daily inspection reports and providing support documentation for accurate pay estimate preparation.
8. Preparing partial and final estimates.
9. Monitoring EEO and DBE compliance.
10. Performing project close out reports.

March 18, 2020

FEE PROPOSAL

CTL proposes to provide qualified technical personnel to perform the necessary tasks in accordance with the project specifications. CTL will invoice using audited ODOT overhead and cost-of-money rates and approved net fee with actual pay rates for personnel services, ODOT approved rates for equipment, and CTL standard rates for laboratory testing services that may be required. Attached please find a schedule of unit rates and an hourly rate calculations form for personnel pay rates. All invoicing will be done monthly and will be based on the actual quantity of work performed in accordance with the rates quoted on the attached fee proposal.

Also attached is an estimated cost proposal totaling \$ 218,912 for Construction Administration, Construction Inspection and testing services. A detailed project schedule has not been developed for this project to date by the contractor. However, the following assumptions are made for this cost proposal:

- 1) Working 5 days/week @ 8 hours/day (typical) with an estimated 1 hour/day overtime
- 2) Project bid in Feb 2020
- 3) Tentative start date June 1, 2020 for construction
- 4) Estimated duration of work, 22 weeks.

CLOSING

We sincerely appreciate the opportunity to submit this cost proposal and look forward to working with you on this project. If you have any questions or need further information, please feel free to contact me at your earliest convenience.

Respectfully submitted,

CTL ENGINEERING, INC.



David Breitfeller, P.E.
Vice President

Attachments: Construction Services Unit Rates
Hourly Rate Calculations
Base Cost Estimate



Hourly Rate Calculations

Agreement No.:

C-R-S:

Firm Name:

ERI-US6-17.49
CTL Engineering, Inc.

Company Overhead: 163.35%

Average Overhead: 156.68%

Cost of Money: 2.70%

Net Fee %: 10%

The company records OT premium as: Direct Labor

Does the company anticipate billing overtime? Yes

Classification	1.5X OT?	Pay Rate Range	Overhead	C.O.M	Net Fee	Computed Straight Time/OT Exempt Billing Rate ¹	Computed Overtime Billing Rate ¹
Project Inspector	Yes	\$30.00	\$49.01	\$0.81	\$7.70	\$88	\$131
Project Inspector	Yes	\$35.00	\$57.17	\$0.95	\$8.98	\$102	\$153
Traffic Signal and Lighting Inspector	Yes	\$35.00	\$57.17	\$0.95	\$8.98	\$102	\$153
Asphalt Monitor	Yes	\$22.00	\$35.94	\$0.59	\$5.65	\$64	\$96
Documentation Clerk	No	\$28.50	\$46.55	\$0.77	\$7.32	\$83	N/A
Construction Engineer Level 1	No	\$38.50	\$62.89	\$1.04	\$9.88	\$112	N/A
Construction Engineer Level 2	No	\$65.00	\$106.18	\$1.76	\$16.68	\$190	N/A
Project Manager	No	\$65.00	\$106.18	\$1.76	\$16.68	\$190	N/A

¹ **Note:** Rounded the nearest dollar.

CONSTRUCTION SERVICES UNIT RATES

PERSONNEL

Project Inspector (1015).....	per Hourly Rate Calculations
Administrative/Secretarial (Documentation Clerk) (1006)	per Hourly Rate Calculations
Construction Engineer Level 1 (1002)	per Hourly Rate Calculations
Project Manager (1003)	per Hourly Rate Calculations

Note: Fees for part-time or intermittent services will apply portal-to-portal.

EQUIPMENT

Coring Gun, Generator (2CORE)	\$220.00/day
Nuclear Densometer for Soil Moisture-Density or Bituminous Density Testing ASTM D2922, ASTM D2950 (2NUC)	\$40.00/day
Concrete Test Kit (2CON)	\$15.00/day
Vehicle – Automobile or Truck (2ODOTVEH)	\$49.00/day

LABORATORY TESTS

CONCRETE:

Standard Compression Strength Cylinder (Includes Mold), ASTM C 39 (6C003).....	\$20.00/each
Concrete Beam, Modulus of Rupture (ASTM C-293, C-78) (6C005)	\$60.00/each

ASPHALT:

Bulk Specific Gravity and Density ASTM D-2726 (6B010):	\$50.00/each
Extraction for AC Content Method A or Method B, ASTM D-2172 (6B006) or (6B007):.....	\$200.00/each

Note: Fees for laboratory tests not listed above will be quoted upon request.

MISCELLANEOUS EXPENSES

Overtime

Saturday and excess of 8 hours/day	per Hourly Rate Calculations
Sunday and Holidays	per Hourly Rate Calculations



GENERAL NOTES AND CONDITIONS

1. These prices are applicable for the duration of the project.
2. The CTL operations are organized into several different departments. Fee schedules for any of the other department services are available by contacting our marketing department.
3. Testing services are typically performed in the order in which samples are received in the laboratory. Routine turnaround time on analytical samples is one to two weeks. A surcharge of 50 percent for overtime rates may be applied for rush work.
4. Upon completion of testing, samples remaining after testing are typically kept one month and then discarded. Any extension of this time should be requested in writing. An invoice for storage charges will be submitted on an annual basis. Samples containing toxic or hazardous materials may be returned to the client for disposal. If CTL is required to perform disposal, our client will be billed for disposal costs.
5. Clients are expected to inform CTL of any known or suspected hazards in the samples submitted. Samples containing hazardous levels of radioactivity will not be accepted by the laboratory.
6. Samples submitted for testing should include the sample source and type, the time of collection if applicable, a purchase order, chain of custody form and a list of the analysis to be completed by CTL. Chain of custody forms are available from CTL laboratory personnel if needed. Label each sample clearly and completely.
7. Reports and copies of reports will be sent only to the client unless the client formally requests us otherwise in writing. CTL maintains strict confidentiality with our clients. All data, reports, proprietary information and records associated with clients are maintained in strict confidence.
8. CTL states that analytical work shall be performed in accordance with good laboratory practices and professional standards. No other warranty is expressed or implied.
9. Payment terms are Net 30 Days from date of invoice, with a 1.5% per month service charge applied to past due balances.



COST ESTIMATE

Phase 1 - US6

42 days	project inspector	8 hrs/d	\$95.00 \$/hr	\$31,920.00
42 days	overtime	1 hrs/d	\$142.00 \$/hr	\$5,964.00
42 days	vehicle/truck	1 truck	\$49.00 \$/d	\$2,058.00
10 days	project inspector/concrete tech	8 hrs/d	\$95.00 \$/hr	\$7,600.00
10 days	overtime	1 hrs/d	\$142.00 \$/hr	\$1,420.00
10 days	vehicle/truck	1 truck	\$49.00 \$/d	\$490.00
10 days	Concrete Test Kit	1 kit	\$ 15.00 \$/d	\$ 150.00
5 days	traffic signal and lighting inspector	8 hrs/d	\$102.00 \$/hr	\$4,080.00
5 days	vehicle/truck	1 truck	\$49.00 \$/d	\$245.00
5 days	Asphalt Monitor	8 hrs/d	\$64.00 \$/d	\$2,560.00
5 days	Vehicle/Truck	1 vehicle	\$49.00 \$/d	\$245.00
10 weeks	documentation clerk	10 hrs/wk	\$83.00 \$/hr	\$8,300.00
45 days	Project Engineer 1	2 hrs/d	\$112.00 \$/hr	\$10,080.00
25 days	Vehicle/Truck	1 vehicle	\$49.00 \$/d	\$1,225.00
10 weeks	Project manager/constr engineer 2	10 hrs/w	\$190.00 \$/hr	\$19,000.00
10 days	Vehicle/Truck	1 vehicle	\$49.00 \$/d	\$490.00
Lab Testing				
	Extraction For AC Content and Gradatio	5 each	\$200.00 \$/ea	\$1,000.00
	Bulk Specific Gravity and Density	40 each	\$65.00 \$/ea	\$2,600.00
	Concrete Beam Modulus of Rupture	15 each	\$ 60.00 \$/ea	\$ 900.00
	Standard Compression Stength Cylinder	24 each	\$ 20.00 \$/ea	\$ 480.00
subtotal				\$100,807.00

Phases 2 - US6

42 days	project inspector	8 hrs/d	\$95.00 \$/hr	\$31,920.00
42 days	overtime	1 hrs/d	\$142.00 \$/hr	\$5,964.00
42 days	vehicle/truck	1 truck	\$49.00 \$/d	\$2,058.00
10 days	project inspector/concrete tech	8 hrs/d	\$95.00 \$/hr	\$7,600.00
10 days	overtime	1 hrs/d	\$142.00 \$/hr	\$1,420.00
10 days	vehicle/truck	1 truck	\$49.00 \$/d	\$490.00
10 days	Concrete Test Kit	1 kit	\$ 15.00 \$/d	\$ 150.00
5 days	traffic signal and lighting inspector	8 hrs/d	\$102.00 \$/hr	\$4,080.00
5 days	vehicle/truck	1 truck	\$49.00 \$/d	\$245.00
5 days	Asphalt Monitor	8 hrs/d	\$64.00 \$/d	\$2,560.00
5 days	Vehicle/Truck	1 vehicle	\$49.00 \$/d	\$245.00
10 weeks	documentation clerk	10 hrs/wk	\$83.00 \$/hr	\$8,300.00
45 days	Project Engineer 1	2 hrs/d	\$112.00 \$/hr	\$10,080.00
25 days	Vehicle/Truck	1 vehicle	\$49.00 \$/d	\$1,225.00
2 weeks	Project manager/constr engineer 2	10 hrs/w	\$190.00 \$/hr	\$3,800.00
8 days	Vehicle/Truck	1 vehicle	\$49.00 \$/d	\$392.00
5 days	Coring Equipment	1 coring	\$220.00 \$d	\$1,100.00
5 days	Nuclear Gauge	1 gauge	\$40.00 \$/d	\$200.00

Lab Testing

Extraction For AC Content	4 each	\$200.00 \$/ea	\$800.00
Bulk Specific Gravity and Density	40 each	\$65.00 \$/ea	\$2,600.00
Concrete Beam Modulus of Rupture	15 each	\$ 60.00 \$/ea	\$ 900.00
Standard Compression Stength Cylinder	24 each	\$ 20.00 \$/ea	\$ 480.00

subtotal **\$86,609.00**

****Phases 3 and 4 completed concurrently with phases 1 and 2.**

Phase 4- US6

8 days	project inspector	8 hrs/d	\$95.00 \$/hr	\$6,080.00
8 days	overtime	1 hrs/d	\$142.00 \$/hr	\$1,136.00
8 days	vehicle/truck	1 truck	\$49.00 \$/d	\$392.00
2 weeks	documentation clerk	10 hrs/wk	\$83.00 \$/hr	\$1,660.00
10 days	Project Engineer 1	2 hrs/d	\$112.00 \$/hr	\$2,240.00
10 days	Vehicle/Truck	1 vehicle	\$49.00 \$/d	\$490.00
2 weeks	Project manager/constr engineer 2	10 hrs/w	\$190.00 \$/hr	\$3,800.00
2 days	Vehicle/Truck	1 vehicle	\$49.00 \$/d	\$98.00

subtotal **\$15,896.00**

Project closeout-

15 days	documentation clerk	8 hrs/d	\$83.00 \$/hr	\$9,960.00
15 days	Project Engineer 1	2 hrs/d	\$112.00 \$/hr	\$3,360.00
3 weeks	project manager/constr engineer 2	4 hrs/w	\$190.00 \$/hr	\$2,280.00

subtotal **\$15,600.00**

Estimated Total **\$218,912.00**

****Phase 5 asphalt contained in phases 1 and 2**

****If Authorized, concrete sampling and testing for non-QC/QA items of work (regular bid items)**

Concrete Testing

30 days	project inspector/concrete tech	8 hrs/d	\$95.00 \$/hr	\$22,800.00
10 days	overtime	1 hrs/d	\$142.00 \$/hr	\$1,420.00
30 days	vehicle/truck	1 truck	\$49.00 \$/d	\$1,470.00
30 days	Concrete Test Kit	1 kit	\$ 15.00 \$/d	\$ 450.00

Lab Testing

Standard Compression Stength Cylinder	25 each	\$ 20.00 \$/ea	\$ 500.00
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***** concrete testing total** **\$26,640.00**

CTL Engineering, Inc.
3085 Interstate Parkway, Brunswick, OH 44212
Phone: 330/220-8900 • Fax: 330/220-8944
Email: ctcleve@ctleng.com

AN EMPLOYEE OWNED COMPANY



Consulting Engineers • Testing • Inspection Services • Analytical Laboratories

Established 1927

June 28, 2021

City of Huron Engineer's Office
417 Main St.
Huron, OH 44839

Attention: Mr. Russ Critelli, P.E., OHM Advisors

Reference: Construction Inspection and Construction Administration Services
ERI-6-17.49, PID 100421
CTL Engineering Proposal Number 20020013CLE

Mr. Critelli:

CTL Engineering, Inc. (CTL) is pleased to submit this proposal for a modification to our existing agreement to provide construction administration and inspection services for the ERI-6-17.49 project. This proposal outlines our understanding of the modified project work, CTL's scope of work and fees.

GENERAL PROJECT DESCRIPTION

The services include Construction Inspection and Construction Administration services for the resurfacing of U.S.6 from Williams Street to the eastern city limits. Included in this project is curbing, decorative crosswalks, sidewalks, upgraded ADA facilities, upgraded signal at Main Street, and remove signal at Berlin Road.

SCOPE OF SERVICES

CTL Engineering will provide construction administration and construction inspection for the remaining duration of the project. We will provide on-site services on a full-time or part-time basis, depending on the scope and schedule of the work item, including project administration and project inspection of all work activities. We anticipate that our services will include the following:

1. Maintaining project records using Appia Construction Management Software.
2. Providing direction to the contractor on "as directed items".
3. Preparing and processing change orders.
4. Performing quality control inspections and monitoring compliance with contract requirements.
5. Monitoring and Documentation of Materials Management Process
6. Performing measurements and preparing final quantity determinations.
7. Preparing daily inspection reports and providing support documentation for accurate pay estimate preparation.
8. Preparing partial and final estimates.
9. Monitoring EEO and DBE compliance.
10. Performing project close out reports.

FEE PROPOSAL

Offices: Ohio, Indiana, West Virginia, Pennsylvania, Kentucky, Virginia

June 28, 2021

CTL proposes to provide qualified technical personnel to perform the necessary tasks in accordance with the project specifications. CTL will invoice using audited ODOT overhead and cost-of-money rates and approved net fee with actual pay rates for personnel services, ODOT approved rates for equipment, and CTL standard rates for laboratory testing services that may be required. Attached please find a schedule of unit rates and an hourly rate calculations form for personnel pay rates. All invoicing will continue to be done monthly and will be based on the actual quantity of work performed in accordance with the rates quoted on the attached fee proposal.

Attached is an estimated cost proposal totaling \$ 33,224 for Construction Administration and Construction Inspection services anticipated to complete the remaining work. (The original approved request totaling \$218,912 has been expended due to an extension in the contract duration to allow for additional work.)The following assumptions are made for this revised cost proposal:

- 1) Working as needed, to complete the remaining punch list work items, modified work items (new pavement markings) and finalization (see attached cost breakdown)
- 2) Tentative start for punch list work, April 5, 2021; start of revised final pavement markings work, Sept.15, 2021.
- 3) Estimated duration of work, 4 weeks.

CLOSING

We sincerely appreciate the opportunity to submit this revised cost proposal and look forward to continuing our work with you to complete this project. If you have any questions or need further information, please feel free to contact me at your earliest convenience.

Respectfully submitted,

CTL ENGINEERING, INC.



David Breitfeller, P.E.
Vice President

Attachments: Construction Services Unit Rates
Hourly Rate Calculations
Revised Cost Estimate



Hourly Rate Calculations

Agreement No.:

C-R-S:

Firm Name:

ERI-US6-17.49
CTL Engineering, Inc.

Company Overhead: 163.35%

Average Overhead: 156.68%

Cost of Money: 2.70%

Net Fee %: 10%

The company records OT premium as: Direct Labor

Does the company anticipate billing overtime? Yes

Classification	1.5X OT?	Pay Rate Range	Overhead	C.O.M	Net Fee	Computed Straight Time/OT Exempt Billing Rate ¹	Computed Overtime Billing Rate ¹
Project Inspector	Yes	\$30.00	\$49.01	\$0.81	\$7.70	\$88	\$131
Project Inspector	Yes	\$35.00	\$57.17	\$0.95	\$8.98	\$102	\$153
Traffic Signal and Lighting Inspector	Yes	\$35.00	\$57.17	\$0.95	\$8.98	\$102	\$153
Asphalt Monitor	Yes	\$22.00	\$35.94	\$0.59	\$5.65	\$64	\$96
Documentation Clerk	No	\$28.50	\$46.55	\$0.77	\$7.32	\$83	N/A
Construction Engineer Level 1	No	\$38.50	\$62.89	\$1.04	\$9.88	\$112	N/A
Construction Engineer Level 2	No	\$65.00	\$106.18	\$1.76	\$16.68	\$190	N/A
Project Manager	No	\$65.00	\$106.18	\$1.76	\$16.68	\$190	N/A

¹ Note: Rounded the nearest dollar.

CONSTRUCTION SERVICES UNIT RATES

PERSONNEL

Project Inspector (1015).....	per Hourly Rate Calculations
Administrative/Secretarial (Documentation Clerk) (1006)	per Hourly Rate Calculations
Construction Engineer Level 1 (1002)	per Hourly Rate Calculations
Project Manager (1003)	per Hourly Rate Calculations

Note: Fees for part-time or intermittent services will apply portal-to-portal.

EQUIPMENT

Coring Gun, Generator (2CORE)	\$220.00/day
Nuclear Densometer for Soil Moisture-Density or Bituminous Density Testing ASTM D2922, ASTM D2950 (2NUC)	\$40.00/day
Concrete Test Kit (2CON).....	\$15.00/day
Vehicle – Automobile or Truck (2ODOTVEH)	\$49.00/day

LABORATORY TESTS

CONCRETE:

Standard Compression Strength Cylinder (Includes Mold), ASTM C 39 (6C003).....	\$20.00/each
Concrete Beam, Modulus of Rupture (ASTM C-293, C-78) (6C005)	\$60.00/each

ASPHALT:

Bulk Specific Gravity and Density ASTM D-2726 (6B010):	\$50.00/each
Extraction for AC Content Method A or Method B, ASTM D-2172 (6B006) or (6B007):.....	\$200.00/each

Note: Fees for laboratory tests not listed above will be quoted upon request.

MISCELLANEOUS EXPENSES

Overtime

Saturday and excess of 8 hours/day	per Hourly Rate Calculations
Sunday and Holidays	per Hourly Rate Calculations



GENERAL NOTES AND CONDITIONS

1. These prices are applicable for the duration of the project.
2. The CTL operations are organized into several different departments. Fee schedules for any of the other department services are available by contacting our marketing department.
3. Testing services are typically performed in the order in which samples are received in the laboratory. Routine turnaround time on analytical samples is one to two weeks. A surcharge of 50 percent for overtime rates may be applied for rush work.
4. Upon completion of testing, samples remaining after testing are typically kept one month and then discarded. Any extension of this time should be requested in writing. An invoice for storage charges will be submitted on an annual basis. Samples containing toxic or hazardous materials may be returned to the client for disposal. If CTL is required to perform disposal, our client will be billed for disposal costs.
5. Clients are expected to inform CTL of any known or suspected hazards in the samples submitted. Samples containing hazardous levels of radioactivity will not be accepted by the laboratory.
6. Samples submitted for testing should include the sample source and type, the time of collection if applicable, a purchase order, chain of custody form and a list of the analysis to be completed by CTL. Chain of custody forms are available from CTL laboratory personnel if needed. Label each sample clearly and completely.
7. Reports and copies of reports will be sent only to the client unless the client formally requests us otherwise in writing. CTL maintains strict confidentiality with our clients. All data, reports, proprietary information and records associated with clients are maintained in strict confidence.
8. CTL states that analytical work shall be performed in accordance with good laboratory practices and professional standards. No other warranty is expressed or implied.
9. Payment terms are Net 30 Days from date of invoice, with a 1.5% per month service charge applied to past due balances.



REVISED COST ESTIMATE

Spring 2021- Temporary Pavement Markings

3 days	project inspector	8 hrs/d	88.00 \$/hr	2112.00
0 days	overtime	2 hrs/d	129.00 \$/hr	0.00
3 days	vehicle/truck	1 truck	49.00 \$/d	147.00
0 days	nuclear gauge	1 gauge	40.00 \$/d	0.00
0 days	concrete test kit	1 kit	15.00 \$/d	0.00
1 weeks	project manager/project	4 hrs/w	175.00 \$/hr	700.00
	subtotal			\$2,959

Spring 2021- Punch List work and Extra Work Items

10 days	project inspector	8 hrs/d	88.00 \$/hr	7040.00
0 days	overtime	2 hrs/d	129.00 \$/hr	0.00
0 days	Soil and Agg inspector	8 hrs/d	88.00 \$/hr	0.00
10 days	vehicle/truck	1 truck	49.00 \$/d	490.00
0 days	traffic signal and lighting	8 hrs/d	88.00 \$/hr	0.00
0 days	vehicle/truck	1 truck	49.00 \$/d	0.00
0 days	nuclear gauge	1 gauge	40.00 \$/d	0.00
0 days	concrete test kit	1 kit	15.00 \$/d	0.00
2 weeks	project manager/project	8 hrs/w	175.00 \$/hr	2800.00
	<u>Lab Testing</u>			
	standard proctor, aggreg;	0 proctor	175.00 \$/ea	0.00
	concrete cylinders (sets c	0 cylinders	20.00 \$/ea	0.00
	subtotal			\$10,330

Fall 2021- Final Striping and clean up

7 days	project inspector	8 hrs/d	102.00 \$/hr	5712.00
0 days	overtime	2 hrs/d	129.00 \$/hr	0.00
7 days	vehicle/truck	1 truck	49.00 \$/d	343.00
days	traffic signal and lighting	8 hrs/d	88.00 \$/hr	0.00
days	vehicle/truck	1 truck	49.00 \$/d	0.00
days	nuclear gauge	1 gauge	40.00 \$/d	0.00
days	concrete test kit	1 kit	15.00 \$/d	0.00
2 weeks	project manager/project	8 hrs/w	175.00 \$/hr	2800.00
	<u>Lab Testing</u>			
	standard proctor, aggreg;	0 proctor	175.00 \$/ea	0.00
	concrete cylinders (sets c	0 cylinders	20.00 \$/ea	0.00
	subtotal			\$8,855

Project closeout-

5 days	project inspector	8 hrs/d	102.00 \$/hr	4080.00
4 weeks	project manager/project	10 hrs/w	175.00 \$/hr	7000.00
	subtotal			\$11,080

Estimated Total \$33,224