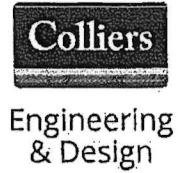


300 Tice Boulevard  
Suite 101  
Woodcliff Lake, NJ 07677  
Main: 877 627 3772



VIA Email  
October 7, 2025

Muhammed S. Assal  
Principal Engineer  
County of Passaic  
Department of Engineering  
401 Grand Street, Room 524  
Paterson, New Jersey 07505

Proposal for Professional Services  
2025 Road Resurfacing Program  
Passaic County, New Jersey  
Colliers Engineering & Design Proposal No.: 24011081P

Dear Mr. Assal,

Colliers Engineering & Design, Inc. (CED) is pleased to submit this proposal to provide professional Services for the referenced project under the 2025-2026 On-Call Contract with Passaic County.

We understand asphalt core testing for air voids and thickness is required at multiple locations within Passaic County 2025 Road Resurfacing Program.

CED has previously provided base unit prices as part of our proposal for On-Call Construction Testing Services for Passaic County. This proposal presents the total costs for each coring location per request received from the County.

This proposal is divided into four sections as follows:

- Section I** – Scope of Services
- Section II** – Business Terms and Conditions
- Section III** – Technical Staff Hourly Rate Schedule and Reimbursable Expenses
- Section IV** – Client Contract Authorization

The order in which the following scope of services are presented generally follows the sequence in which the project will be accomplished; however, depending on the project, the various authorized services contained in this proposal may be performed in a sequence as deemed appropriate by Colliers Engineering & Design to meet project schedules.



## Section I – Scope of Services

### TASK 1.0 Asphalt Coring and Laboratory Testing

#### Base Items

See attached pricing sheet.

#### Coring Locations

Per your request, testing is required to be performed at following locations:

##### City of Clifton

1. Main Avenue, from West 4th Street to Sewall Avenue (11,859 SY)
2. Randolph Avenue, from Lexington Avenue to Hamilton Avenue (2,911 SY)

##### Township of Haledon

3. Pompton Road, from Ailsa Avenue to Hobart Avenue (7,439 SY)

##### Township of Hawthorne

4. Goffle Hill Road, From Grandview Avenue to County Border and From Lafayette Avenue to 400 Ft North of Goffle Rd. (14,016 SY)

##### City of Passaic

5. Paulison Avenue, from Pennington Avenue to Oak Street (21,256 SY)
6. Broadway, from Paulison Avenue to Randolph Street (9,254 SY)

##### City of Paterson

7. Barclay Street/ Valley Road, from Marshall Street to 70' West and from Marshall Street Main Street (3,185 SY)

##### Borough of Totowa

8. Union Boulevard, from Route 46 Bridge to Main Street (17,982 SY)

##### Township of Wayne

9. Colfax Road, from Vale Road to Terhune Drive (9,104 SY)
10. Ratzler Road, from Rock Road to Valley Road (29,153 SY)
11. Hamburg Turnpike, from 1000' East of Hinchman Avenue to University Drive (10,607 SY)

##### Township of West Milford

12. Union Valley Road, from Plymouth Avenue to Warwick Turnpike (18,673 SY)
13. Oak Ridge Road, from Cozy Lake Road to Post Road (RR Tracks) (11,167 SY)



Engineering & Design

Borough of Woodland Park

- 14. Rifle Camp Road, from 625 Rifle Camp Road to Old Rifle Camp Road (11,954 SY)
- 15. Lackawanna Avenue, from 479 Lackawanna Avenue to 250 North of Lower Notch Road (3,182 SY)

Schedule of Fees

Task	Initial Budget Estimate
<b>Asphalt Coring and Laboratory Testing</b>	
<b>Union Valley, Oak Ridge and Colfax Roads (3)</b> (One-Day Trip, 20 6"-cores total, \$400/core and \$80/Lab Test)	\$9,600
<b>Future Remaining Roads (12)</b>	
Set of 3 Roads (10 6"-cores each, 30 cores total \$400/core and \$80/Lab Test)	\$14,400
Set of 9 Roads (5 6"-cores each, 45 cores total \$400/core and \$80/Lab Test)	\$21,600
<b>Total</b>	<b>\$45,600</b>

Notes and Assumptions

1. This proposal considers that Union Valley, Oak Ridge and Colfax Roads will be cored during one trip.
2. The initial budget estimate presented above is based on the following assumptions:
  - One lot of cores per 15,000 SY of pavement area (per NJDOT Local Aid requirements).
  - Testing for asphalt thickness and air voids only (no extractions).
  - The 12 remaining roads are grouped as follows:
    - o 3 roads with 10 6" cores each.
    - o 9 roads with 5 6" cores each.
3. The estimate was prepared without confirmed paving or release schedules for remaining 12 roads. Final costs may be revised depending on how many roads are released together and the timing of each coring mobilization.

Exclusions and Understandings

Services relating to the following items are not anticipated for the project or cannot be quantified at this time. Therefore, any service associated with the following items is specifically excluded from the scope of professional services within this agreement.

General

- Services not specifically outlined above in Section I;
- **Safety is the responsibility of the Contractor.**
- Access to the site will be provided by the Client.
- Any engineering design or evaluations.

- Any exploratory or testing work, interpretations, or conclusions related to the determination of potential chemical, toxic, radioactive, or other type of contaminants on site.
- Any geotechnical exploratory or testing work.
- Oak Ridge Road, Union Valley Road, and Colfax Road have been paved and are ready to be core tested.
- Personnel on site will utilize Level D personal protective equipment (PPE) (hard hats, steel-toed boots, eye protection, etc.). Higher levels of PPE (respirators, chemical resistance, etc.) can be provided for an additional fee.

If an item listed herein, or otherwise not specifically mentioned within this agreement, is deemed necessary, Colliers Engineering & Design may prepare an addendum to this agreement for your review, outlining the scope of additional services and associated professional fees regarding the extra services.

## Section II – Business Terms and Conditions

The Business Terms and Conditions of the original contract shall still apply.



### Section III – Rate Schedule

#### Technical Staff Rates 2025

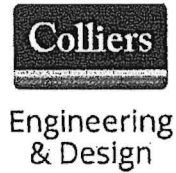
Billing Titles	Hourly Rates
Executive Principal	360.00
Senior Principal	345.00
Principal	320.00
Senior Technical Director	295.00
Senior Project Manager	270.00
Technical Director	230.00
Project Manager	220.00
Senior Project Specialist	200.00
Project Specialist	190.00
Technical Professional	180.00
Technical Specialist	170.00
Specialist	160.00
Senior Data Technician	150.00
Senior Technical Assistant	140.00
Technical Assistant	125.00
Field Technician	115.00
Data Technician	115.00
Survey Crew – 1 Person w/Robotic Equipment	195.00
Additional Survey Crew Member	85.00
SUE Crew (designating) – 1 Person	160.00
Additional (designating) Member	85.00
SUE Crew (locating) – 2 Person	220.00
Additional (locating) Member	85.00
Expert Witness	425.00
Sr. LSRP	330.00
LSRP	290.00

#### Reimbursable Expenses

General Expenses	Cost + 15%
Travel (Hotel, Airfare, Meals)	Cost + 15%
Sub-Consultants/Sub-Contractors	Cost + 20%
Plotting	4.50 / Each
Computer Mylars / Color Plots	100.00 / Each
Photocopies	0.19 / Each
Color Photocopies	2.05 / Each
Document Binding	4.05 / Each
Portable Media	100.00 / Each
Exhibit Lamination (24" x 36" or larger)	90.00 / Each
Initial Digital Signature	300.00
Additional Digital Signatures	75.00 / Each
Mileage Reimbursement*	0.655 / Per Mile
	Field Vehicle 0.75 / Per Mile

\*Mileage reimbursement subject to change based upon IRS standard mileage rate.

Rates are effective through December 31, 2025



**Section IV - Client Contract Authorization**

I hereby declare that I am duly authorized to sign binding contractual documents. I also declare that I have read, understand, and accept this contract.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

If you find this proposal acceptable, please sign where indicated above in Section IV, and return one signed copy to this office. **Payment terms are NET30 of receipt of invoice.** This proposal is valid for 60 days since the date it is issued.

We very much appreciate the opportunity of submitting this proposal and look forward to performing these services for you.

Sincerely,

Colliers Engineering & Design, Inc.

Ahmed Elmekati, PE  
Principal Associate

Varunpreet Singh  
Senior Project Manager

AHE/VS/gt

Base Unit Prices

**Notification**

The Contractor or Project Engineer, depending on the project, shall notify the Testing Consultant a minimum of 24 hours in advance of when field inspection or testing services will be required. The Testing Consultant must supply an inspector at the date, time and location specified. The Testing Consultant shall coordinate scheduling inspections and testing services directly with Contractor, unless otherwise directed.

*This bid will be awarded on a category basis. Bidders do not have to bid on every category, but they must bid on every line item in the categories that they are bidding on.*

**Concrete**

	<u>Unit</u>	<u>Unit Price</u>
Field Inspector *	1/2 Day	\$450.00
	Day	\$750.00
Senior Field Inspector *	1/2 Day	\$495.00
	Day	\$825.00

\* Rates for Inspectors will include travel time and mileage. "1/2 day" will be construed to mean 4 hours on site. "Day" will be construed to mean more than 4 hours and up to 8 hours on site. The costs for preparing cylinders, slump tests, and air entrainment tests while on site will also be included in the 1/2 day and daily rate. Inspectors are to supply own equipment and tools. Rates will also include preparation and submittal of Field Inspection Reports.

**Hardened Concrete**

Chloride Perm ASTM C1202/AASHTO T277**	2 sets of 2	\$1,800.00
Surface Resistivity for Chloride Perm AASHTO T358**	3 cylinders per set	\$425.00

\*\* Rates for will be inclusive of travel time and mileage and preparing and obtaining all samples, performing tests and writing/reviewing reports.

**Test Cylinders**

Cap, Cure, Test and Report ***	Cylinder	\$18.50
Transportation of Cylinders****	Trip	<u>\$80.00</u>

Curing box to be provided by the Testing Consultant as needed, at no additional cost.

\*\*\* Report will include preparation of cores for testing and all costs for preparation and submittal of a Formal Report.

\*\*\*\* Transportation of cylinders will only be applicable if pickup is required when no inspector is scheduled and will include all mileage, travel time and employee time

**Concrete Core Drilling**

Unit & Labor ASTM C-42\*\*\*\*\*

Vertical	LF	<u>\$800.00</u>
Horizontal	LF	<u>\$1,000.00</u>
Day min*****	Day	<u>\$1,995.00</u>
Compressive Test & Report *****	CORS	<u>\$150.00</u>

\*\*\*\*\* Rates for Core Drilling will include travel time, mileage, crew and equipment time.

\*\*\*\*\* Minimum Day Rate shall apply only if the number of cores to be taken multiplied by the unit price is lower than the Minimum Day Rate. If the number of cores to be taken multiplied by the unit price is greater than the Minimum Day Rate, the Minimum Day Rate will not apply.

\*\*\*\*\* Compressive Test and Report will include preparation of cores for testing and all costs for preparation and submittal of a Formal Report.

**Hot Mix Asphalt**

	<u>Unit</u>	<u>Unit Price</u>
<b>Field Inspection (During Paving Operations)</b>		
Inspector *	1/2 Day	\$450.00
	Day	<u>\$750.00</u>
Nuclear Density *	1/2 Day	\$35.00
	Day	<u>\$35.00</u>

\* Rates for Inspectors will include travel time and mileage. "1/2 day" will be construed to mean 4 hours on site. "Day" will be construed to mean more than 4 hours and up to 8 hours on site. The costs for preparing all tests while on site will also be included in the 1/2 day or daily rate.

**Asphalt Core Drilling \*\* + Five (5) core minimum**

6" +	UN	\$400.00
8" +	UN	<u>\$425.00</u>
Minimum Day Rate *** +	Day	<u>\$1,995.00</u>

\*\* Rates for Core Drilling will include travel time, mileage, crew, equipment time and patching the core hole. If the County Engineer deems the core patch to have failed within a two-year period, the vendor is responsible to repair/restore the asphalt patch core.

\*\*\* Minimum Day Rate shall apply only if the number of cores to be taken multiplied by the unit price is lower than the Minimum Day Rate. If the number of cores to be taken multiplied by the unit price is greater than the Minimum Day Rate, the Minimum Day Rate will not apply.

**QC Test - NJDOT Spec**

Extraction Analysis	sample	\$85.00
Bulk Specific Gravity (density)	sample	<u>\$40.00</u>
Max Theoretical SG - ASTM D2041	sample	<u>\$40.00</u>

**Structural Steel**

	<u>Unit</u>	<u>Unit Price</u>
<b>Field Inspection (min 4 hours each)</b>		

Inspector - high strength bolts, torque*	1/2 Day	\$525.00
	Day	\$850.00
Inspector - plumbness of members*	1/2 Day	\$525.00
	Day	\$850.00
Inspector - field welding*	1/2 Day	\$550.00
	Day	\$895.00

\* Rates for Inspectors will include travel time and mileage. "½ day" will be construed to mean 4 hours on site. "Day" will be construed to mean more than 4 hours and up to 8 hours on site. The costs for preparing all testing tests while on site will also be included in the 1/2 day or daily rate. Rates will also include preparation and submittal of Field Inspection Reports.

Soils

	<u>Unit</u>	<u>Unit Price</u>
<b>Test Borings</b>		
Mobilization- Demobilization*	LS	\$500.00
Borings in earth 3 3/8" ID Hollow Stem Auger (Truck)	LF	\$37.00
Borings in earth 3 3/8" ID Hollow Stem Auger (crawler)	LF	\$38.00
Borings in rock or boulders "NX" 2 1/8" diameter	LF	\$50.00
Undisturbed samples	LF	\$100.00
Senior Soils Inspector**	½ Day	\$595.00
Senior Soils Inspector**	Day	\$1,100.00
Minimum charge for drilling rigs***	Day	\$2,350.00
Preparation & Coordination for NJDEP Permits****	Hour	\$250.00

\* Mobilization-Demobilization will include all costs associated with mobilizing the equipment and crew to the site for the entire project assignment; procuring necessary permits, and providing the necessary traffic control devices (such as drums, signs, cones, etc., with the exception of Traffic Directors, Flaggers).

\*\* Rates for Inspectors will include travel time and mileage. "½ day" will be construed to mean 4 hours on site. "Day" will be construed to mean more than 4 hours and up to 8 hours on site. The costs for preparing all testing tests while on site will also be included in the 1/2 day or daily rate. Rates will also include preparation and submittal of Field Inspection Reports and Boring Logs. Rates will also include sampling and examination of soils.

\*\*\* Minimum Charge for drilling rigs shall apply only if the total borings length multiplied by the unit price is lower than the Minimum Charge for drilling rigs. If the total borings length multiplied by the unit price is greater than the Minimum Charge for drilling rigs, the Minimum Charge for drilling rigs will not apply.

\*\*\*\* If, because of the proposed depth of boings, the driller must obtain an NJDEP Permit, the County will allow a maximum of two (2) hours for administrative preparation and coordination associated with the NJDEP permit.

**Lab analysis\***

Gradation (Sieve) ASTM D6913	sample	\$75.00
Gradation (Wet) ASTM D1140	sample	\$75.00
Hydrometer ASTM D7928	sample	\$120.00
Atterberg Limits ASTM D4318	sample	\$92.00
Moisture Content ASTM D2216	sample	\$10.00
Sand Cone Density ASTM D1556	sample	\$200.00
Loose Unit Weight D4253	sample	\$200.00
Direct Shear ASTM D-3080	sample	\$540.00
<b>Moisture-Density Relations (Compaction)</b>		
Standard Proctor ASTM D698	sample	\$190.00
Modified Proctor ASTM D1557	sample	\$190.00
Classification (visual)	sample	\$22.00
Description & ID of Soils Visual-manual ASTM D2488	sample	\$22.00
Specific Gravity ASTM D854	sample	\$80.00
Permeability ASTM D2434	sample	\$200.00

PH Value	sample	\$50.00
DGA Analysis NJDOT spec	sample	\$134.00
Pkg. of tests of Granular backfill - Reinforced earth Projs	sample	\$1,500.00
Minimum Resistivity	sample	\$105.00
Compressive Strength of Rock ASTM D7012	sample	\$170.00

**Top Soil**

Full analysis NJDOT Specification	sample	\$225.00
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**Field Inspection\*\***

Senior Soils Inspector	1/2 day	\$525.00
	Day	\$850.00
Soils engineer	1/2 day	\$595.00
	Day	\$1,100.00
Nuclear Density testing	1/2 day	\$35.00
	Day	\$35.00

\* Sample rates to include all costs associated with performing the analysis and preparation and submission of the analysis report.

\*\* Rates for Inspectors will include travel time and mileage. "½ day" will be construed to mean 4 hours on site. "Day" will be construed to mean more than 4 hours and up to 8 hours on site. The costs for preparing all testing tests while on site will also be included in the 1/2 day or daily rate. Rates will also include preparation and submittal of Field Inspection Reports. All Lab Analysis rates shall include the cost of preparation of sample, testing and reporting.