



Bright View Engineering
Moving you forward

160-24

April 26, 2024

VIA EMAIL

zcarballo@westorange.org

Zayibeth Carballo, PE, PLS, PP, CME, CFM, CFS
Director / Municipal Engineer
Department of Engineering
Township of West Orange
25 Lakeside Avenue
West Orange, New Jersey 07052
973-325-4165

Re: Request for Proposals, Professional Engineering Services For:
All Way Stop Analysis at the Intersections of:
Kelly Drive & Haggerty Drive and Haggerty Drive & Vizcaya Boulevard
West Orange Township, Essex County, New Jersey
241094

Dear Ms. Carballo:

Thank you for the opportunity to provide this Proposal for Professional Traffic Engineering Services relating to evaluating the above referenced intersections within the Township of West Orange to determine if changes to the existing stop control configuration are warranted. This proposal is based on our discussions with your staff and our experience providing these services. Due to our familiarity with West Orange Township and Essex County as a whole, we are confident that we can provide responsive services at a competitive cost.

Based on your April 25th email request for proposals, BVE has identified a series of tasks to be completed to confirm the appropriate traffic control at each of the intersections identified. Our anticipated efforts are enumerated below.

The following scope of work has been separated into phases so that it can be more easily reviewed. The order in which the phases are presented generally follows the sequence in which the work will be accomplished.

- 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

70 South Orange Avenue, Suite 109
Livingston, New Jersey 07039

C: (732) 236-7557 T: (973) 228-0999 F: (201) 753-3904
BrightViewEngineering.com

P.O. Box 99
Roseland, NJ 07068



SECTION I – SCOPE OF SERVICES

TASK 1 – ALL WAY STOP ANALYSIS: KELLY DR & HAGGERTY DR AND HAGGERTY DR & VIZCAYA BLVD

Based on our preliminary investigation of the intersections identified in the RFP request, a change to the existing traffic control at the intersection may be appropriate, since only one approach of the major street is currently stop controlled at each intersection. To determine the correct traffic control measures for this intersection, we recommend an All-Way stop analysis be completed to at each intersection to determine the most appropriate traffic control measures. To accomplish this, BVE will undertake the following tasks:

1. Conduct a field visit to evaluate existing intersection geometry, observe traffic patterns, review available sight distance and identify other deficiencies within the study area.
2. Review existing crash history based on information available from NJDOT's Safety Voyager system. If necessary, we will request individual crash reports from the Township.
3. Perform intersection turning movement counts at the intersection from 6:00 AM to 7:00 PM on a mid-week weekday (Tuesday, Wednesday or Thursday) when schools are in regular session to establish existing intersection volumes.
4. Conduct an All-Way stop warrant analysis in accordance with section 2B.12 of the 11th Edition of the MUTCD.
5. Perform peak hour level of service analysis for the intersection under existing conditions and with any recommended changes.
6. Prepare a report of findings for each intersection which will include information reviewed, results of the All-Way stop analysis and a recommendation for next steps.
7. Attendance at one in person or virtual meeting with the Township to discuss the findings of the reports identified above.

Work will begin upon notice to proceed; we anticipate providing our findings within three weeks of the start of work, provided notice to proceed permits traffic counts to be scheduled in a timely manner.



MEETINGS AND ADDITIONAL SERVICES

ALL additional meetings (except the meeting identified above) and additional services requested by you will be billed at our standard rates as outlined in our Business Terms and Conditions. This includes preparation of additional access concepts and/or analysis and the development of additional reports if required.

Attendance at Planning/Zoning Board meetings and other public meetings where expert testimony is required will be billed in accordance with the Schedule of Hourly Rates in effect at the time the meetings are held. Attendance at agency and project coordination meetings will be billed in accordance with the Schedule of Hourly Rates in effect at the time the meetings are held. Colored renderings, if requested for Board presentation, and meeting preparation time will be billed on an hourly basis.

Please be reminded that traffic counts must be done when school is in normal session.

SCHEDULE OF FEES

The Fee Proposal includes all of the tasks outlined in the Scope of Services. Based upon the foregoing scope of services and assumption that all services will be awarded for each task as one contract, we offer the following Fee. As you know, we can only estimate the effort needed for this project. If any task should take significantly longer than estimated to perform the services, or if unforeseen conditions occur, we may require additional compensation.

TASK 1 -	All Way Stop Analysis – Kelly Dr & Haggerty Dr	\$2,800
	All Way Stop Analysis – Haggerty Dr & Vizcaya Blvd	\$2,800
	Meeting (1)	\$ 800
GRAND TOTAL		\$6,600

Additional Meetings and Additional Services

HOURLY

The fees above include the completion of services as outlined in the scope of services. Bright View Engineering reserves the right to modify this proposal based upon final acceptance of your office.

This Scope of Service is subject to the terms, conditions and exclusions as noted herein. Hourly Rates and reproduction costs will be in accordance with the attached Schedule of Hourly Rates and fees. If extra services become necessary then Bright View Engineering may prepare an addendum to this agreement for your review, outlining the scope of additional services and associated professional fees with regard to the extra service.

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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:

- Services not specifically outlined above in Section I;
- Meetings (1 meeting is included);
- Survey, Base maps, Site Plans, Drainage Calculations;
- Traffic Control Plans for site work / utility connections;
- Comment resolution or comment response;
- Any additional permits requested by any agency;
- All out-of-pocket expenses including, but not limited to, application fees, permit fees laboratory testing costs, mylar copies, certified mailings, photographs, blueprints, and special deliveries will be charged at cost and passed on to you for payment.

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



SECTION II – BUSINESS TERMS AND CONDITIONS

Bright View Engineering LLC agrees to provide professional services under the following terms and conditions:

The term Client referenced herein is the person, persons, corporation, partnership, or organization referenced in the proposal between Bright View Engineering LLC and said Client.

1.0 SCOPE OF SERVICES:

Services not set forth in the Scope of Services, are excluded from the Scope of Services, and Bright View Engineering LLC will assume no responsibility to perform such services under the base contract. In situations where a written contract is not executed or where additional services becomes necessary during the course of the project, Bright View Engineering LLC may provide such services using our Technical Staff Hourly Rate Schedule in effect at the time of services. The hourly rates listed in our Technical Staff Hourly Rate Schedule are adjusted semi-annually and the Client shall be billed at the rates that are in effect at the time of service.

Since there are substantial costs to stop and restart a project once it is underway, should a project's progress be halted at any time by the client, for any reason, Bright View Engineering LLC reserves the right to charge a restart fee and/or to renegotiate the remaining fees within the contract.

These Business Terms and Conditions are applicable for any additional professional services rendered for this project including, but not limited to, change orders, client service authorization forms, etc.

2.0 STANDARD OF CARE:

In performing services, we agree to exercise professional judgment, made on the basis of the information available to us, and to use the same degree of care and skill ordinarily exercised in similar circumstances and conditions by reputable consultants performing comparable services in the same locality. This standard of care shall be judged as of the time the services are rendered, and not according to later standards. Reasonable people may disagree on matters involving professional judgment and, accordingly, a difference of opinion on a question of professional judgment shall not excuse a Client from paying for services rendered. NO OTHER REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

3.0 INVOICES:

Bright View Engineering LLC bills its Clients on a monthly basis using a standard invoice format. This format provides for a description of services performed and a summary of professional fees, expenses, and other charges. For more detailed invoicing requests, Bright View Engineering LLC reserves the right to charge for invoice preparation time by staff members. Monthly invoices will be submitted based upon percentage of services completed and reimbursable expenses. Any comments or discrepancies, relative to invoices shall be submitted in writing within fourteen (14) days or the account will be considered correct.

For professional services billed on an hourly basis, Bright View Engineering LLC reserves the right to invoice all overtime services performed by our employees using our Technical Staff Hourly Rate Schedule in effect at the time of services at ONE AND ONE-HALF TIMES our standard hourly rate for those employees.

Expenses incurred for services, equipment, and facilities not furnished by Bright View Engineering LLC are charged to the Client at cost plus an up charge not to exceed 15 percent of the invoice for said services.

Client shall pay Bright View Engineering LLC for reimbursable expenses, including, but not limited to, application fees, printing and reproduction, courier and express delivery service, special/overnight mailings, facsimile transmissions, specialized equipment and laboratory charges, and costs of acquiring materials specifically for the Client. Reimbursable charges will be added to each monthly invoice and are part of Client's responsibility.

4.0 PAYMENT:

Bright View Engineering LLC bills are payable in full UPON RECEIPT and payment is expected within thirty (30) days. We reserve the right to assess a late charge of 1.5 percent per month for any amounts not paid within 45 days of the billing date. In the event payment is not made according to the terms and conditions herein, the matter may proceed to a collections agency or to an attorney for collection. Client shall be responsible for fees charged by the collections agency and/or attorney's fees incurred to collect the monies owed. Should the matter proceed to court, client shall also be responsible for court costs.

In addition, where payment is not received in accordance with the terms of this contract, Bright View Engineering LLC reserves the right to withdraw any applications too federal, state, or local regulatory agencies / boards filed on behalf of the client with the understanding that these applications are the property of Bright View Engineering LLC. Bright View Engineering LLC will provide you with written notification two (2) weeks prior to taking any action to withdraw an application submitted on behalf of the client. If payment of all outstanding invoices is not received within two (2) weeks of receipt of this letter, Bright View Engineering LLC will withdraw all pending applications for the project.

5.0 RETAINER:

Bright View Engineering LLC reserves the right to request a retainer from the Client prior to the commencement of services on a project. While retainers are collected prior to the start of a project, the retainer is held to the end of the project and will be applied to the final invoices. Retainers are not applied to the beginning of the project.

6.0 RIGHT OF ENTRY/JOBSITE:

Client will provide for right of entry for Bright View Engineering LLC personnel and equipment necessary to complete our services. While Bright View Engineering LLC will take all reasonable precautions to minimize any damage to the property, it is understood by the Client that in the normal course of our services some damage may occur, the correction of which is not part of this Agreement.

Client shall furnish or cause to be furnished to Bright View Engineering LLC all documents and information known to the Client that relate to the identity, location, quantity, nature, or characteristics of any hazardous or toxic substances at, on, or under the site. In addition, the Client will furnish or cause to be furnished such other information on surface and subsurface site conditions required by Bright View Engineering LLC for proper performance of its services. Bright View Engineering LLC shall be entitled to rely on the accuracy and completeness of Client provided documents and information in performing the services required under this Agreement and Bright View Engineering LLC assumes no responsibility or liability for their accuracy or completeness.

Bright View Engineering LLC will not direct, supervise, or control the work of Client's contractors or their subcontractors. Bright View Engineering LLC shall not have authority over or responsibility for the construction means, methods, techniques, sequences, or procedures and Bright View Engineering LLC's services will not include a review or evaluation of the contractors (or subcontractor's) safety precautions, programs or measures.



All Way Stop Analysis
Two Intersections, West Orange Township
Project No.: 241094
April 26, 2024
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Bright View Engineering LLC shall be responsible only for its activities and that of its employees on any site. Neither the professional activities nor the presence of Bright View Engineering LLC or its employees or subcontractors on a site shall imply that Bright View Engineering LLC controls the operations of others, nor shall this be construed to be an acceptance by Bright View Engineering LLC of any responsibility for jobsite safety.

7.0 UTILITIES:

In the execution of our services, Bright View Engineering LLC will take reasonable precautions in accordance with the professional standard of care to avoid damage or injury to subterranean structures or utilities. The Client agrees to hold Bright View Engineering LLC harmless and defend and indemnify Bright View Engineering LLC for any claims or damages to subterranean structures or utilities, which have not been marked-out under the One-Call system or are not shown or are incorrectly shown on the plans furnished.

8.0 TERMINATION OR SUSPENSION OF SERVICES:

Should Client fail to make payments when due or is otherwise in material breach of this Agreement, Bright View Engineering LLC at their election may suspend services at any time after PROVIDING WRITTEN NOTICE TO THE CLIENT until payments are brought current. Bright View Engineering LLC shall have no liability whatsoever to the Client for any costs or damages as a result of such suspension and the Client agrees to indemnify and hold Bright View Engineering LLC harmless from any claim or liability resulting from such suspension.

This Agreement may be terminated by either party upon seven (7) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof. Such termination shall not be effective if that substantial failure has been remedied before expiration of the period specified in the written notice. In the event of termination, Bright View Engineering LLC shall be paid for service performed to the termination notice date plus reasonable termination expenses.

In the event of termination, or suspension for more than three (3) months, prior to completion of all services contemplated by the Agreement, Bright View Engineering LLC may complete such analyses and records as are necessary to complete its files and may also complete a report on the services performed to the date of notice of termination or suspension. The expenses of termination or suspension shall include all direct costs of Bright View Engineering LLC in completing such analyses, records, and reports.

9.0 SUBCONTRACTORS:

Bright View Engineering LLC prefers that its Clients directly retain other contractors whose services are required in connection with field services for a project (e.g., drillers, analytical laboratories, transporters, etc.), except in unusual circumstances. As a service, we will advise Clients with respect to selecting other such contractors and will assist Clients in coordinating and monitoring their performance. In no event will we assume any liability or responsibility for the work performed by other contractors, or for their failure to perform any work, regardless of whether we hire them directly as subcontractors, or only coordinate and monitor their work. When Bright View Engineering LLC does engage a subcontractor on behalf of the Client, the expenses incurred, including rental of special equipment necessary for the work, will be billed as they are incurred, at cost plus an up-charge not to exceed 20 percent of the invoice. By engaging us to perform services, you agree to defend, indemnify, and hold Bright View Engineering LLC its directors, officers, employees, and other agents harmless from and against any and all claims, losses, liabilities, damages, demands, costs, or judgments arising out of or relating in any way to the performance or non-performance of work by another contractor or subcontractor. In addition, Client agrees to pursue recovery of and assert any claims based upon its loss, expenses and/or damages solely and directly against those contractors or subcontractors. In consideration of such indemnity and waiver, Bright View Engineering LLC agrees to assign its rights and/or claims against those contractors or subcontractors pursuant to the contractors' or subcontractors' agreements with Bright View Engineering LLC to the Client.

10.0 AGREED REMEDY:

Bright View Engineering LLC shall be liable to the Client only for direct damages to the extent caused by Bright View Engineering LLC's negligence in the performance of its services. UNDER NO CIRCUMSTANCES SHALL BRIGHT VIEW ENGINEERING LLC BE LIABLE FOR INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL, OR EXEMPLARY DAMAGES, OR FOR DAMAGES CAUSED BY THE CLIENT'S FAILURE TO PERFORM ITS OBLIGATIONS. With regard to services involving hazardous substances, Bright View Engineering LLC has neither created nor contributed to the creation or existence of any actually or potentially hazardous, radioactive, toxic, or otherwise dangerous substance or condition at any site, and its compensation is in no way commensurate with the potential liability that may be associated with a substance or site.

To the fullest extent permitted by law, the total liability, in the aggregate, of Bright View Engineering LLC and Bright View Engineering LLC's officers, directors, employees, agents and consultants to Client and anyone claiming by, through or under Client, for any and all injuries, claims, losses, expenses, or damages whatsoever arising out of in any way related to Bright View Engineering LLC's services, the Project or this Agreement, from any cause or causes whatsoever, including but not limited to, negligence, strict liability, breach of contract or breach of warranty shall not exceed the total compensation received by Bright View Engineering LLC under this Agreement, not including reimbursable expenses and any sub consultant fees rendered on the project.

It is intended by the parties to this Agreement that Bright View Engineering LLC's services in connection with the project shall not subject Bright View Engineering LLC's individual employees, officers, or directors to any personal legal exposure for the risks associated with this project. Therefore, the Client agrees that as the Client's sole and exclusive remedy, any claim, demand, or suit shall be directed and/or asserted only against Bright View Engineering LLC, a New Jersey corporation, and not against any of Bright View Engineering LLC's employees, officers or directors.

11.0 LIABILITY TO THIRD PARTIES:

The Client agrees to be solely responsible for, and to defend, indemnify, and hold Bright View Engineering LLC harmless from any and all liabilities, claims, damages and costs (including reasonable attorney's fees and defense costs) by third parties arising out of, or in any way related to, our performance or non-performance of services, except claims for personal injury, death, or personal property damage to the extent caused by the sole negligence, gross negligence or willful misconduct of employees of Bright View Engineering LLC

12.0 INDEMNIFICATION:

Bright View Engineering LLC shall maintain, at its own expense, Workers Compensation Insurance, Comprehensive General Liability Insurance, and Professional Liability Insurance at all times and will, upon request, furnish insurance certificates to the Client.

To the fullest extent permitted by law, Client shall indemnify, defend and hold harmless Bright View Engineering LLC and its agents, officers, directors and employees, subcontracts or consultants (herein for the remainder of this section collectively referred to as Bright View Engineering LLC) from and against all claims, damages, losses and expenses, whether direct, indirect or consequential or punitive, including but not limited to fees and charges of attorneys and court and arbitration costs, arising out of or resulting from the services of Bright View Engineering LLC or any claims against Bright View Engineering LLC arising from the acts, omissions or work of others,

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Roseland, NJ 07068



unless it is proven in a court of competent jurisdiction that Bright View Engineering LLC is guilty of negligence, gross negligence, or willful misconduct in connection with the services and such negligence, gross negligence, or willful misconduct was the sole cause of the damages, claims, and liabilities.

Client agrees to defend, indemnify and hold harmless Bright View Engineering LLC from and against all claims, damages, losses and expenses, direct or indirect, and consequential damages, including but not limited to fees and charges of attorneys and court, and arbitration costs, brought by any person or entity, or claims against Bright View Engineering LLC which arise out of, are related to, or are based upon, the actual or threatened dispersal, discharge, escape, release, or saturation of smoke, vapors, soot, fumes, acids, alkalis, toxic chemical, radioactive materials, liquids, gases, or any other material, upon it or into the surface or subsurface soil, water or watercourse, objects, or any tangible or intangible matter.

To the fullest extent permitted by law, such indemnification shall apply regardless of the fault, negligence breach of warranty or contract, or strict liability of Bright View Engineering LLC. This indemnification shall not apply to claims, damages, losses, or expenses which are determined by a court of competent jurisdiction to be the sole result of negligence or willful misconduct by Bright View Engineering LLC of obligations under this Agreement.

13.0 ASSIGNS:

The Client may not delegate, assign, sublet, or transfer his duties or interest in the Agreement without written consent of Bright View Engineering LLC. Bright View Engineering LLC shall not, in connection with any such assignment by the Client, be required to execute any documents that in any way might, in the sole judgment of Bright View Engineering LLC, increase Bright View Engineering LLC's contractual or legal obligations or risks, or the availability or costs of its professional or general liability insurance.

The Agreement shall not create any rights or benefits to parties other than the Client and Bright View Engineering LLC, and nothing contained in this Agreement shall create a contractual relationship with, or a cause of action in favor of, a third party against either the Client or Bright View Engineering LLC. Bright View Engineering LLC's services hereunder are being performed solely for the benefit of the Client, and no other entity shall have any claim against Bright View Engineering LLC because of this Agreement of Bright View Engineering LLC's performance or nonperformance of services hereunder.

14.0 OWNERSHIP AND RESTRICTION ON REUSE OF DOCUMENTS:

All drawings, calculations, reports, plans, specifications, computer files, field data, notes, and other documents and instruments ("Documents") prepared by Bright View Engineering LLC are and remain the property of Bright View Engineering LLC as instruments of service. The Documents may not be copied by the Client or others on extensions of this project or on any other project. The Client agrees not to use Bright View Engineering LLC's Documents for marketing purposes, for projects other than the project for which the Documents were prepared by Bright View Engineering LLC, or for future modifications to this project, without Bright View Engineering LLC's express written permission. Any reuse or distribution to third parties without such express written permission or project-specific adaptation by Bright View Engineering LLC will be at the Client's sole risk and without liability to Bright View Engineering LLC or its employees, subsidiaries, independent professional associates, sub consultants, and subcontractors. The Client shall, to the fullest extent permitted by law, indemnify, defend, and hold harmless Bright View Engineering LLC from and against any and all expenses, fees, demands, liabilities, suits, actions, claims, damages, or losses including attorneys' fees and costs, arising out of, or resulting from such unauthorized distribution or reuse of Documents.

Computer files are not considered part of deliverables unless specifically requested or required by the signed contract. If computer files are required, Bright View Engineering LLC shall provide Client files subject to the following conditions:

The Client must execute our standard Electronic Media Release form prior to any distribution of files. The Client recognizes that data, plans, specifications, reports, documents, or other information recorded on or transmitted as electronic media are subject to undetectable alteration, either intentional or unintentional due to, among other causes, transmission, conversion, media degradation, software error, or human alteration. Accordingly, it is understood that electronic files provided to the Client are for informational purposes only and are not intended as an end-product. Bright View Engineering LLC makes no representation of any warranties, either expressed or implied, regarding the fitness or suitability of the electronic documents. Accordingly, the Client agrees to waive any and all claims against Bright View Engineering LLC and Bright View Engineering LLC's consultants relating in any way to the unauthorized use, reuse or alteration of the electronic documents. Any unlicensed use or reuse of the documents without our written consent will constitute a violation of our copyright. Only original plans and reports of the most recent date bearing the signature and the embossed seal of the professional will be considered documents of record.

Bright View Engineering LLC shall maintain in its storage facility, samples collected as part of their services provided for a period of three (3) months after issuance of final reports. After the three (3) month time limit, all samples will be disposed of in accordance with appropriate regulations at the time. Extended storage of samples can be arranged at an additional cost to be established on a project-by-project basis.

15.0 GENERAL CONDITIONS:

Bright View Engineering LLC shall not be responsible for the delays caused by factors beyond its reasonable control, including but not limited to: delay due to accidents, an act of God, fire, hurricane, flood, explosions, strike, boycott or other labor dispute, failure of the Client to furnish timely information or approve or disapprove of Bright View Engineering LLC's services or work product, delays caused by faulty performance by the Client or contractors of any level, or by acts of Government, which, in the opinion of Bright View Engineering LLC, could not have been reasonably foreseen and provided for, such delay will entitle Bright View Engineering LLC to an extension of time in performing its Services. If there is any increase in the total cost of providing Services by reason of any such delay, Bright View Engineering LLC will notify Client of particulars, and Client will pay for such increase. When such delays beyond Bright View Engineering LLC's reasonable control occur, the Client agrees that Bright View Engineering LLC shall not be responsible for damages, nor shall Bright View Engineering LLC be deemed in default of this Agreement.

The fees quoted in this proposal assume that upon authorization, this project will commence through to completion without a stop work order from the Client. Should a stop work order be received from the Client before completion of the project or any task, additional fees may be required to restart the project.

16.0 ENTIRE AGREEMENT:

This Agreement comprises the final and complete Agreement between the Client and Bright View Engineering LLC. It supersedes all prior or contemporaneous communications, representations, or Agreements, whether oral or written, relating to the subject matter of this Agreement. Execution of this Agreement signifies that each party has read the document thoroughly, has had the opportunity to have questions explained by independent counsel and is satisfied with the terms and conditions contained herein. Amendments to this Agreement shall not be binding unless made in writing and signed by both the Client and Bright View Engineering LLC.

To the extent Client provides its own Agreement and that Agreement conflicts with or is silent with respect to any term or condition expressed herein, these conditions shall prevail and shall be binding upon the parties.

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2024 RATE SCHEDULE
TECHNICAL STAFF RATES

BILLING TITLES	HOURLY RATES
Principal	185.00
Senior Technical Director	185.00
Senior Project Professional	175.00
Senior Project Manager	170.00
Project Professional	165.00
Technical Director	160.00
Project Manager	160.00
Senior Project Specialist	155.00
Senior Technical Professional	150.00
Project Specialist	150.00
Senior Technical Specialist	145.00
Technical Professional	140.00
Senior Specialist	135.00
Technical Specialist	135.00
Specialist	120.00
Senior Data Technician	105.00
Senior Technical Assistant	95.00
Technical Assistant	85.00
Data / Field Technician	75.00
Survey Crew – 2 Man	190.00
Survey Crew – 1 Man	160.00
Expert	260.00
Sr. LSRP	235.00
LSRP	200.00

REIMBURSABLE EXPENSES

General Expenses	Cost + 15%
Travel (Hotel, Airfare, Meals)	Cost + 15%
Sub-Consultants/Sub-Contractors	Cost + 15%
Mileage Reimbursement*	0.67 / Per Mile
Plotting	3.50 / Each
Computer Mylars / Color Plots	45.00 / Each
Photo Copies	0.25 / Each
Color Photo Copies	1.50 / Each
Document Binding	3.00 / Each
Compact Disk CD/DVD	75.00 / Each
Exhibit Lamination (24" x 36" or larger)	50.00 / Each

* Mileage reimbursement subject to change based upon IRS standard mileage rate.
RATES ARE EFFECTIVE THROUGH DECEMBER 31, 2024

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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, return one signed copy** to this office as a formal notice-to-proceed. Invoices are due within 30 days. This proposal is valid until July 30, 2024.

We appreciate the opportunity of submitting this proposal and look forward to working with you on this project.

Very truly yours,

BRIGHT VIEW ENGINEERING


John Jahr, P.E., T.S.O.S.
Principal
(732) 236-7557

jaf:JJJ

<https://bvengr.sharepoint.com/sites/bvengr/prop/241094-WOT-HaggertyDrStops/1-Proposals/241094-Prop-r1.docx>

Response to RFP

Professional Engineering Services

For

**All Way Stop Analysis at the Intersections of
Kelly Drive and Haggerty Drive
Haggerty Drive and Vizcaya Boulevard**



Submitted to:

**Township of West Orange
Department of Engineering
25 Lakeside Avenue
West Orange, NJ 07052**

Attn: Zayibeth Y. Carballo, Director of Engineering/Municipal Engineer

May 9, 2024

Prepared by:



**1904 Main Street
Lake Como, NJ 07719
(732) 681-0760**

2024 MAY -8 AM 11:20
TOWNSHIP OF WEST ORANGE
PUBLIC WORKS/ENGINEERING

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Section 9: Forms

- W-9
- Business Registration Certificate
- Certificate of Employee Information Report
- Certificate of Insurance – For Evidence Only



Dynamic Traffic, LLC
1904 Main Street
Lake Como, NJ
T: 732.681.0760

May 9, 2024

Township of West Orange
Department of Engineering
25 Lakeside Avenue
West Orange, NJ 07052

Attn: Zayibeth Y. Carballo,
Director of Engineering/Municipal Engineer

**RE: Response to Request for Proposals
Professional Engineering Services for
All Way Stop Analysis at the Intersection of:
Kelly Drive and Haggerty Drive
Haggerty Drive and Vizcaya Boulevard
West Orange, Essex Co, NJ
DT #: P24-01617**

Dear Zayibeth,

Dynamic Traffic is pleased to provide this response to the Township's request for proposals to provide professional engineering services for the all way stop analyses at Kelly Drive and Haggerty Drive as well as Haggerty Drive and Vizcaya Boulevard.

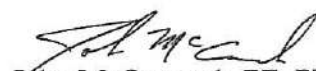
Dynamic Traffic, LLC is a traffic engineering and transportation planning consulting firm dedicated to providing our regional clients with full-service solutions for complex engineering and design projects. Our vast transportation planning experience coupled with extensive traffic engineering design capabilities makes Dynamic Traffic the premier choice for identifying improvements to the intersections to ensure safety and efficiency. Dynamic Traffic's professionals work closely with our clients to help define their needs and resolve their issues. We have successfully completed numerous design projects for Townships and Counties throughout New Jersey.

Thank you in advance for your time in reviewing our proposal. We intend to fully comply with all conditions outlined in the RFP and look forward to serving the Township.

Sincerely,

Dynamic Traffic, LLC


Patrick Downey, PE, PTOE
Principal


John McCormack, PE, PTOE
Senior Principal

www.dynamictraffic.com

Lake Como, NJ • Chester, NJ • Toms River, NJ • Newark, NJ • Newtown, PA • Philadelphia, PA
Bethlehem, PA • Allen, TX • Houston, TX • Austin, TX • Delray Beach, FL • Annapolis, MD



FEE SUMMARY

Section 1: All-Way Stop Control Evaluations <i>(Includes 2 Intersections)</i>	\$ 9,850.00
o Kelly Drive & Haggerty Drive	
o Haggerty Drive & Vizcaya Boulevard	
Section 2: Reimbursable Expenses	Time and Materials
Section 2: Project Meetings and Coordination Services	Time and Materials

DESCRIPTION OF SERVICES

Section 1: All-Way Stop Control Evaluations (Includes 2 Intersections)

Dynamic will prepare an all-way stop control (AWSC) evaluation for the two intersections listed below, in accordance with the Township RFP. This report will evaluate the Township's desired change in traffic control at the intersection. The existing roadway characteristics and traffic volumes will be compared to the All-Way Stop Control criteria set forth within the Manual on Uniform Traffic Control Devices (MUTCD), published by the Federal Highway Administration (FHA). Additionally, the impact of the proposed All-Way Stop Control on the operational efficiency of the intersection will be assessed.

- o Kelly Drive & Haggerty Drive
- o Haggerty Drive & Vizcaya Boulevard

This scope of work- includes the following in accordance with the RFP:

- A field inspection will be conducted to obtain an inventory of existing roadway geometry, traffic control, and location and geometry of adjacent driveways and intersections as may be gathered without an instrument survey.
- Field observations will be performed to observe existing traffic patterns and any other traffic related deficiencies which may exist at the study locations.
- The available sight distance for each approach to the study intersection will be observed and evaluated for conformity with industry and jurisdictional standards.
- An intersection crash analysis will be prepared based upon information available from NJDOT's Safety Voyager system as well as police crash reports provided by the municipality for up to three (3) years of data, if available. A schematic crash diagram illustrating the type, frequency, and relative location of crashes will be prepared and site-specific crash trends will be compared to average statistics published by New Jersey Department of Transportation (NJDOT).
- Turning movement counts will be conducted at each intersection during a typical weekday between the hours of 6:00 AM and 7:00 PM. The counts will be conducted on either a Tuesday, Wednesday, or Thursday when school are in regular session to establish existing intersection volumes.
- The recorded traffic volumes will be compared to the all-way stop control criteria contained within the 11th edition of the MUTCD.



- Capacity analyses will be conducted for the weekday morning and weekday evening peak hours to determine existing and projected peak hour capacities and to define existing and projected levels of service
- Upon completion of the study as outlined above, a report will be prepared to document the findings and recommendations.
- Reimbursable expenses associated with initial preparation and submission of the report is included within this task. Subsequent reimbursable expenses that may be required will be billed on a time and materials basis in accordance with the enclosed rate schedule.
- Attendance at one (1) meeting is included within this task. Subsequent meetings that may be required will be billed on a time and materials basis in accordance with the enclosed rate schedule.

Section 2: Reimbursable Expenses

Reimbursable costs and expenses incurred by Dynamic Traffic in connection with the work outlined in this proposal, beyond initial preparation of the report as included within the evaluation task (section 1) as noted above, including but not limited to postage, travel expenses, printing and mileage will be invoiced in accordance with the attached Dynamic Traffic's *Professional Services Rate Schedule*.

Section 3: Project Meetings and Coordination Services

The intensity, methods and frequency of communications required for a project varies from client to client and project to project, but is essential to expediting the project successfully. As it is not always possible to determine the scope of work required for this phase prior to the commencement of work, this firm will provide an estimated scope of work as follows:

- Conference calls
- Meetings and generation of Meeting Memorandums
- Correspondence and coordination of governmental agencies
- Review and address agency review letters
- Preparation for meetings or hearings

Attendance at one (1) meeting is included within the evaluation task (section 1) as noted above. All additional meetings, consultations and correspondence as noted above will be billed in accordance with the hourly rate schedule as included herein.

Project Schedule

It is anticipated that the All-Way Stop Control Evaluations (section 1) can be completed within six (6) weeks (42 days) from receipt of the "notice to proceed" from the Township. Note it is highly recommended that the traffic counts be performed while local schools are in regular session. Depending on when the notice to proceed is issued relative to the beginning and end of the school year, there could be impacts to the project schedule.

Notes and Assumptions

This proposal is limited to the scope of services specifically defined herein. Any additional services or out-of-scope work items that are requested or are determined to be necessary will be invoiced in accordance with Dynamic Traffic's *Professional Services Rate Schedule* enclosed herein.



FIRM PROFILE

Dynamic Traffic, LLC provides transportation planning services ranging from traffic impact & parking studies to large scale design and transportation planning services. Dynamic Traffic currently provides transportation, planning and design services for several municipalities and counties throughout the state. Our strengths lie in the relationships we have forged over numerous years of working in both the private and public sectors, which has helped our clients navigate the complex landscape of obtaining project approvals.

Dynamic Traffic is a privately held corporation established and incorporated in 2012 which consists of a team of licensed professionals led by a team of 9 principals supported by 17 staff/engineers. Communication with the client and stakeholders is critical to the success of a project and Dynamic Traffic will ensure complete communication with the client along with diligent follow up. Our unique attention to customer service and client satisfaction will help you meet your project objectives. Our focus on providing traffic engineering services at a superior value will also help to ensure your project is successful and within your budget.

Our Typical Services include:

- All Way Stop Control Evaluations
- Traffic Signal Optimization
- Traffic Impact Studies
- Corridor Studies
- Traffic Signal Design
- Signing and Striping Design
- Traffic Calming Designs
- Traffic Control Plans
- Parking Studies
- Traffic Signal Warrant Analyses
- Accessible Curb Ramp Design
- Geometric Design and Layout

Our firm has a proven track record of completing transportation planning projects and carrying that work into fully designed plans. We look forward to bringing this experience to benefit the Township.

POINT OF CONTACT AND OFFICE LOCATIONS



Contact Person:

Patrick Downey, PE, PTOE
Principal

P: 732.681.0760

F: 732.974.3521

E: pdowney@dynamictraffic.com

W: www.dynamictraffic.com

Corporate Headquarters:

Dynamic Traffic, LLC
1904 Main Street
Lake Como, NJ 07719

Other Offices:

Belmar

825 8th Avenue
Belmar, New Jersey 07719

Marlton

5 Greentree Centre
525 Route 75 North, Suite 406
Marlton, New Jersey 08053

Newark

50 Park Plaza, Suite 901
Newark, New Jersey 07102

Toms River

40 Main Street, 3rd Floor
Toms River, New Jersey 08753

Newtown

826 Newtown Yardley Road, Suite 201
Newtown, Pennsylvania 18940

Lehigh Valley

95 Highland Avenue, Suite 170
Bethlehem, Pennsylvania 18017

Philadelphia

1515 Market Street, Suite 1920
Philadelphia, Pennsylvania 19102

Delray Beach

100 NE 5th Avenue, Suite B2
Delray Beach, Florida 33483

Annapolis

125 West Street
Annapolis, Maryland 21401

Austin

901 Mopac Expressway South
Barton Oaks Plaza One, Suite 300
Austin, Texas 78746

Dallas

714 S. Greenville Avenue, Suite 100
Allen, Texas, 75002

Houston

6925 Portwest Drive, Suite 100
Houston, Texas 77024



Patrick Downey is a Principal at Dynamic Traffic. Mr. Downey holds a Professional Engineering License in New Jersey and Pennsylvania, as well as a certification as a Professional Traffic Operations Engineer.

Patrick has gained nine years of experience in private and public transportation engineering, inclusive of traffic signal design, roadway design, transportation planning, ADA design, maintenance and protection of traffic plan design, signing and pavement marking layout, state access permitting, and transportation economic analysis. His analysis and design experience consists of various projects, both public and private, in various Municipal, County, and State jurisdictions throughout the states of New Jersey and Pennsylvania.

Within the private sector, Mr. Downey has assisted with the preparation of traffic impact/parking studies and state access designs for numerous private retail, office, residential, institutional, and industrial/warehouse developments.

Mr. Downey's public sector experience includes the traffic corridor modeling, design of traffic signal and roadway improvements, and traffic calming and pedestrian safety evaluations, along various state, county and municipal roadways throughout the state of New Jersey.

Professional Affiliations:

- Institute of Transportation Engineers (ITE)

Licenses:

- New Jersey Professional Engineer License
- Pennsylvania Professional Engineer License
- Professional Traffic Operations Engineer

Education:

- Rowan University
Bachelor of Science,
Civil & Environmental Engineering, 2015

Agency Experience:

- New Jersey Department of Transportation
- Pennsylvania Department of Transportation
- Essex County Division of Engineering
- Monmouth County Division of Engineering
- Morris County Division of Engineering
- Ocean County Division of Engineering
- New Jersey Sports & Exposition Authority (NJSEA)
- Township of Maplewood
- City of Elizabeth
- City of Englewood
- Township of Wayne

Expert Testimony:

Mr. Downey has been accepted as an expert and testified before numerous boards throughout New Jersey and Pennsylvania. He regularly provides traffic and parking testimony at Land Use Boards in support of his client's projects.

Employment History:

- 2023 – Present Dynamic Traffic – Principal
- 2020 – 2022 Dynamic Traffic – Project Manager
- 2019 – 2019 Dynamic Traffic – Project Engineer
- 2015 – 2018 Dynamic Traffic – Senior Design Engineer

State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs

THIS IS TO CERTIFY THAT THE
Board of Prof. Engineers & Land Surveyors

HAS LICENSED

Patrick J. Downey
826 Newtown Yardley Rd. Suite 201
Newtown PA 18940

FOR PRACTICE IN NEW JERSEY AS A(N): Professional Engineer

Civil

04/16/2024 TO 04/30/2026
VALID

24GE05568600
LICENSE/REGISTRATION/CERTIFICATION #

Patrick Downey
Signature of Licensee/Registrant/Certificate Holder

Carri Zaris
ACTING DIRECTOR

New Jersey Office of the Attorney General
Division of Consumer Affairs
THIS IS TO CERTIFY THAT THE
Board of Prof. Engineers & Land Surveyors
HAS LICENSED
Patrick J. Downey
Professional Engineer
Civil

Civil

04/16/2024 TO 04/30/2026
VALID

24GE05568600
License/Registration/Certificate #

SIGNATURE

Carri Zaris
ACTING DIRECTOR

PLEASE DETACH HERE
IF YOUR LICENSE/REGISTRATION/
CERTIFICATE ID CARD IS LOST
PLEASE NOTIFY:
Board of Prof. Engineers & Land Sur
P.O. Box 45015
Newark, NJ 07101

PLEASE DETACH HERE



John McCormack is a Principal at Dynamic Traffic. Mr. McCormack holds a license in Professional Engineering in New Jersey and New York as well as a certification as a Professional Traffic Operations Engineer.

John has over 25 years of experience working on various traffic engineering and transportation planning projects for both private clients and public agencies. Mr. McCormack is responsible for the management of the civil engineering and traffic engineering aspects of the transportation improvement projects. These projects involve all aspects of traffic calming, traffic signal design, bicycle and pedestrian safety, and on-street parking. Mr. McCormack also performs traffic impact studies, NJDOT access studies, major event traffic/pedestrian planning, corridor progression studies and parking studies. Mr. McCormack serves as the traffic consultant to various municipalities, planning and zoning boards, and counties. He also prepares traffic & pedestrian management plans for major event venues and Amazon Fulfillment Centers across the country.

Licenses:

- New Jersey Professional Engineer License
- New York Professional Engineer License
- Professional Traffic Operations Engineer

Education:

- Villanova University,
Bachelor of Science, Civil Engineering, 1994

Agency Experience:

- Port Authority of New York and New Jersey
- North Jersey Transportation Planning Authority
- Ocean County Division of Engineering
- Monmouth County Division of Engineering
- Essex County Division of Engineering
- Morris County Division of Engineering
- Atlantic City Division of Engineering

Agency Experience Continued:

- Borough of Allenhurst
- City of Asbury Park
- Bloomfield Township
- Borough of Caldwell
- Denville Township
- City of East Orange
- City of Elizabeth
- City of Jersey City
- City of Newark
- Maplewood Township
- Millburn Township
- Montclair Township
- Neptune Township
- Borough of Ringwood
- Sea Girt Borough
- Spring Lake Heights
- Stafford Township
- Toms River Township
- Woodbridge Township

Expert Testimony:

Mr. McCormack has testified before dozens of boards throughout the State of New Jersey. He regularly provides traffic and parking testimony at Land Use Boards in support of his client's projects.

Employment History:

- 2018 – Present Dynamic Traffic, LLC
Principal
- 2010 – 2018 Sam Schwartz, Transportation Consultants
Director of Traffic Engineering
- 1994 – 2010 CMX/Schoor DePalma

Event Traffic Planning Experience:

- Red Bull Arena
- Nassau Coliseum
- NJ Performing Arts Center
- Paper Mill Playhouse
- MetLife Stadium
- Wrigley Field
- Soldier Field
- Nationals Park
- NY Road Runners Queens 10K
- Pope Francis' 2015 Visit to Philadelphia
- Amazon Fulfillment Centers

THIS DOCUMENT IS PRINTED ON WATERMARKED PAPER, WITH A MULTI-COLORED
BACKGROUND AND MULTIPLE SECURITY FEATURES. PLEASE VERIFY AUTHENTICITY.

State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs



THIS IS TO CERTIFY THAT THE
Board of Prof. Engineers & Land Surveyors

HAS LICENSED

JOHN M. MC CORMACK
200 HANCE ROAD
Fair Haven NJ 07704

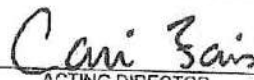
FOR PRACTICE IN NEW JERSEY AS A(N): Professional Engineer

04/10/2024 TO 04/30/2026
VALID

24GE04170100

LICENSE/REGISTRATION/CERTIFICATION #


Signature of Licensee/Registrant/Certificate Holder


ACTING DIRECTOR

Contact:

Paul Kittner, PE
Township Engineer
574 Valley Street
Maplewood, NJ 07040
PKittner@maplewoodnj.gov
(973) 762-8120

Period of Performance

January – March 2024

Key Staff:

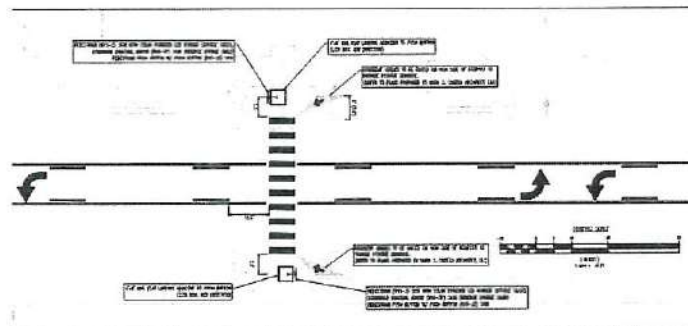
John McCormack, PE, PTOE
Patrick Downey, PE
Matt Barrella, PE



Dynamic Traffic, LLC has been named an On-Call Traffic Engineering consultant for the Township of Maplewood Engineering Department. Key Staff have been responsible for the successful completion of many pedestrian safety related traffic engineering design for the Township over the past several years. The following is a listing of the most recent Maplewood Township experience:

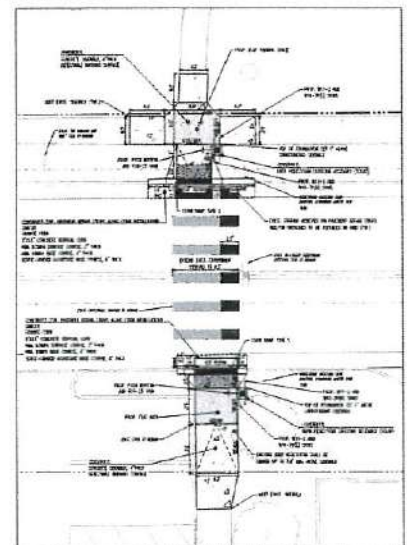
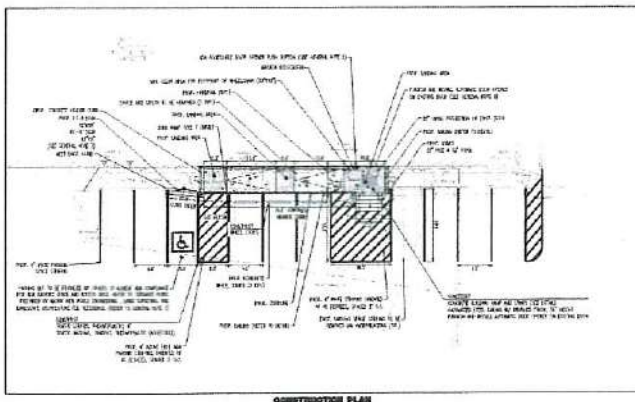
Springfield Avenue Mid-Block Crosswalk

- Located between Boyden Avenue and Burnett Avenue.
- Constructed curb bumpouts to shorten the pedestrian crosswalk length and make pedestrians more visible to drivers.
- Installed push button activated LED flashing pedestrian crossing signs to alert drivers of crossing pedestrians.



Burnett Avenue Rapid Rectangular Flashing Beacons (RRFB)

- Located at three crosswalks along Burnett Avenue connecting to Dehart Park.
- Prepared construction bidding documents including construction cost estimate, project specifications, and construction plans.
- Installed push button activated solar RRFB's on both sides of the crosswalk with the appropriate pedestrian crossing signing.
- Reconstructed sidewalk and pedestrian curb ramps to meet Americans with Disabilities Act (ADA) standards.



**BASE BID
INTERSECTION #1
BURNETT AVENUE & SENIOR CENTER CROSSWALK**

Community Development Block Group Project

- Located around Memorial Park and the Maplewood Township Department of Public Works (DPW) Building.
- Utilized Public Right-of-Way ADA Guidelines (PROWAG) for all curb ramps located surrounding Memorial Park and ADA Accessibility Guidelines (ADAAG) for the DPW Building.
- Prepared construction bidding documents including construction cost estimate, project specifications, and construction plans.

Contact:

Daniel J. Loomis
 City of Elizabeth
 50 Winfield Scott Plaza
 Elizabeth, NJ 07201
 dloomis@elizabethnj.org
 (908) 820-4269

Steve Rinaldi, PLS, PP
 srinaldi@elizabethnj.org
 (908) 820-4278

Period of Performance:
 January 2018 – Present

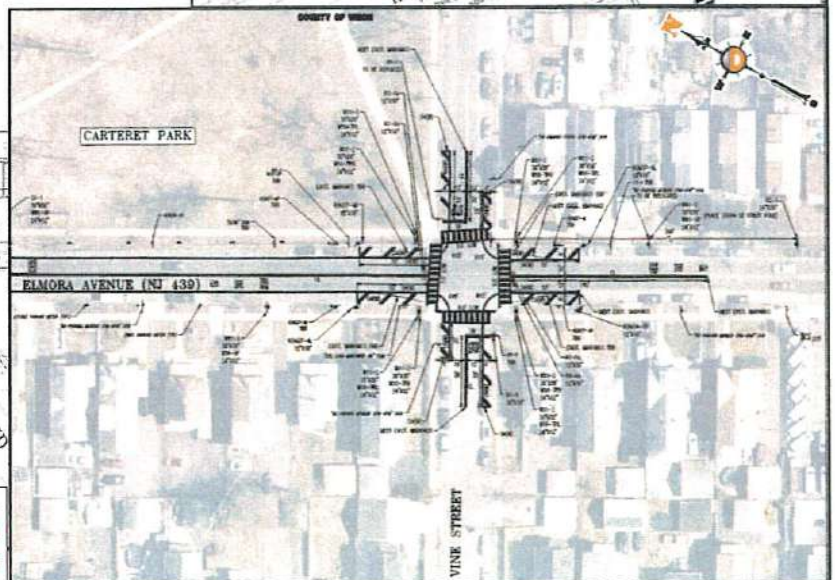
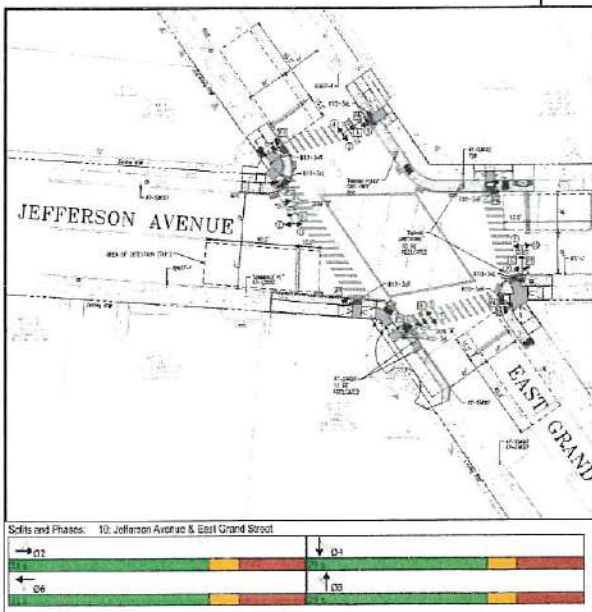
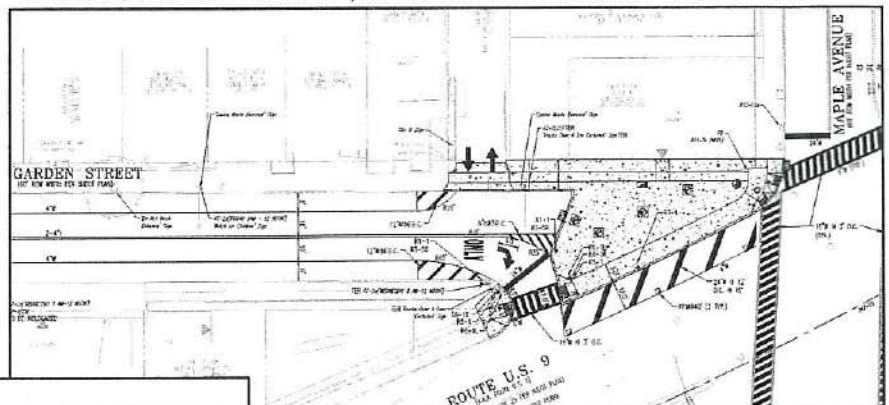
Key Staff:

John McCormack, PE, PTOE
 Andy Jafolla, PE
 Patrick Downey, PE, PTOE
 T. Hunter Sabins, PE



Dynamic Traffic LLC has been named an On-Call Traffic Engineering consultant for the City of Elizabeth Engineering Department. Projects have been coordinated with the City Administrator, City Engineer and the Traffic Safety Division of the Police Department. Key staff have been responsible for the successful completion of several traffic engineering design and analysis projects for the City of Elizabeth over the past few years. The following is a listing of the most recent City of Elizabeth experience:

- Garden St Traffic Calming Design
- Elizabeth Ave at Bridge St – Intersection Safety & Efficiency Evaluation
- East Jersey St & Winfield Scott Plaza – Intersection/Pedestrian Safety Evaluation
- Rt 1 & 9 & Garden St – Traffic Calming Evaluation & Intersection Improvements
- Bayway Ave Improvements & LFIF Grant Application Assistance
- Elmora Ave & Vine St/Murray St – Intersection Safety Improvements
- Traffic Signal Timing Modification at Elizabeth Ave & Jaques Str-South St
- NJDOT Local Aid Funded Traffic Signal Replacements:
 - Jefferson Ave & East Grand St (via NJDOT Transit Village Program)
 - Madison Ave & East Grand St (via NJDOT Transportation Trust Fund)
 - Union Ave & Prince St (via NJDOT Safe Streets to Transit Grant)
 - Catherine St & East Grand St (via NJDOT Safe Streets to Transit Grant)





TRAFFIC ENGINEERING ON-CALL City of Asbury Park, Monmouth County, New Jersey

Contact:

James Bonanno, PP, AICP
Transportation Manager
City of Asbury Park
1 Municipal Plaza
Asbury Park, NJ 07712
James.Bonanno@cityofasburypark.com
(732) 502-5762

Period of Performance

January 2022 – Present

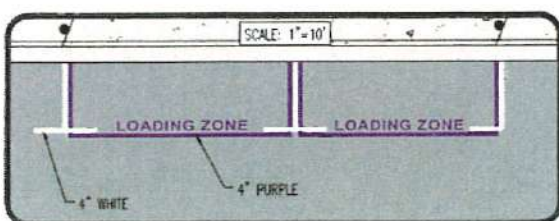
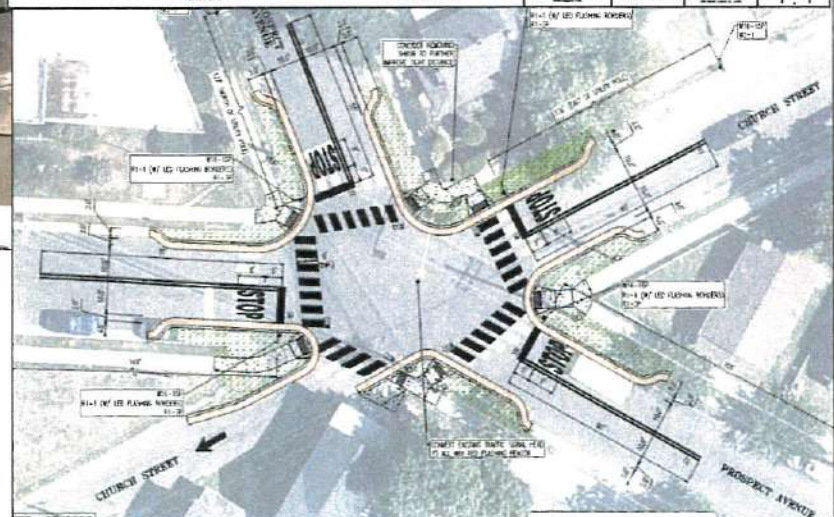
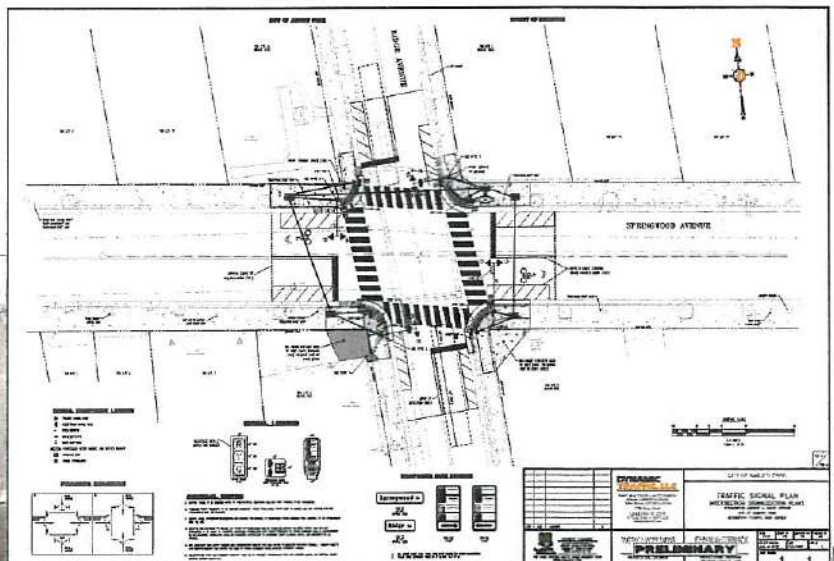
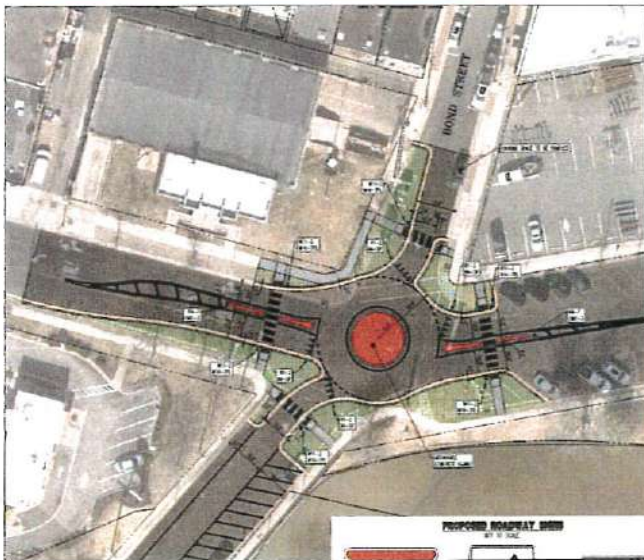
Key Staff:

John McCormack, PE, PTOE
T. Hunter Sabins, PE
Nicole Dahl, EIT



Dynamic Traffic, LLC has been named the On-Call Traffic Engineer for the City of Asbury Park. Key staff have been responsible for the successful completion of several traffic engineering design and analysis projects for the City of Asbury Park over the past few years. The following is a listing of the most recent City of Asbury Park experience:

- Prospect Avenue/Monroe Avenue/Church Street – Intersection Evaluation/Re-Design
- Grand Avenue – Corridor Evaluation
- Cookman Avenue, Lake Avenue, Bangs Avenue, Mattison Avenue – Loading Zone Design/Assistance
- Cookman Avenue & Bond Street – Intersection Evaluation
- Cookman Avenue & Lake Avenue – Intersection Evaluation
- Cookman Avenue & Emory Street – Roundabout Evaluation
- Lake Avenue & Emory Street – Traffic Signal Layout Plan
- Springwood Avenue & Ridge Avenue – Traffic Signal Layout Plan
- 5th Avenue & Comstock Street – Temporary Roundabout Evaluation
- Kingsley Avenue & Deal Lake Drive – Intersection Evaluation



Contact:

Asif Mahmood
Essex County Engineering Dept
900 Bloomfield Avenue
Verona, NJ 07044
amahmood@essexcountynj.org
(973) 226-8500

Period of Performance

Jan – April 2018

Key Staff:

John McCormack, PE, PTOE
Andy Jafolla, PE
Patrick Downey, PE, PTOE

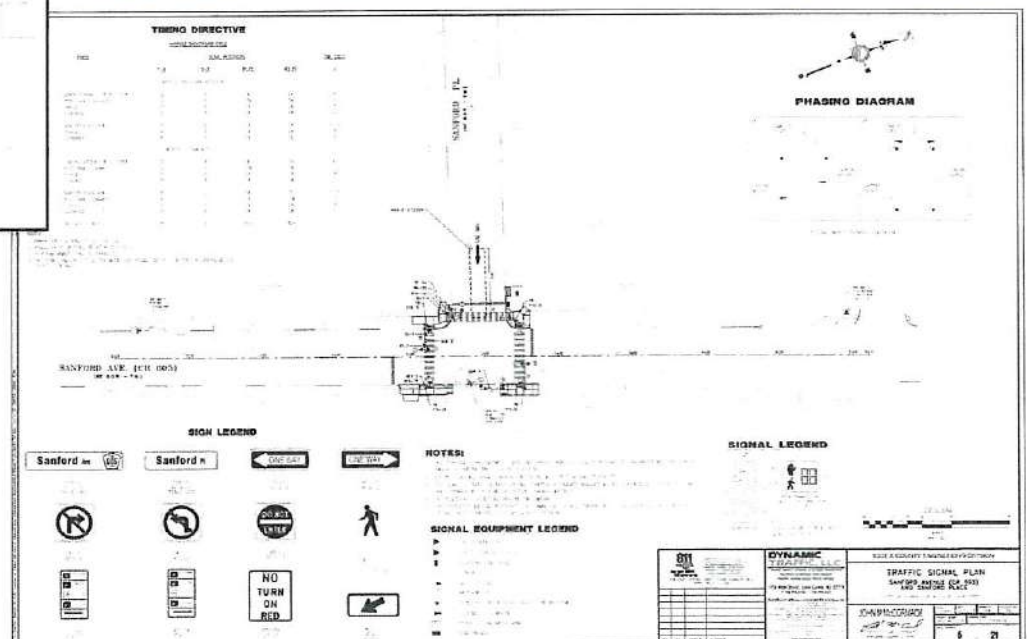
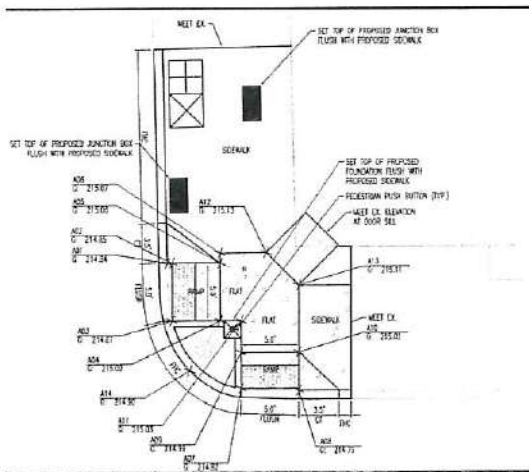


Dynamic Traffic, LLC was retained by the Essex County Department of Engineering to design an intersection improvement including traffic signalization at Sanford Avenue (County Route 605) and Sanford Place in the City of Newark.

The intersection improvement was a response to pedestrian safety concerns as well as restricted sight distance for motorists along the Sanford Place approach. This area of Sanford Avenue contains a mix of schools, churches, residential homes and neighborhood retail opportunities where walkability and pedestrian safety is critical.

The project began with the preparation of a traffic signal warrant analysis to justify the need for the traffic signal. The traffic signal design includes a video camera vehicle detection system, pedestrian pushbuttons, countdown pedestrian signal indications, and battery backup system. The intersection improvement includes reconstructed sidewalks, curbs, handicap accessible ramps, crosswalks and signage.

A full bid document package was completed for the project which included the plan set, timing directive, specifications, cost estimate and engineer's design certification.



REFERENCES

Asif Mahmood

Essex County Engineering
900 Bloomfield Ave
Verona, NJ 07044
(973) 226-8500
amahmood@essexcountynj.org

Debra Dellagiacoma

Morris County Engineering
10 Court St, 5th Fl
Morristown, NJ 07963
(973) 285-6755
ddellagiacoma@co.morris.nj.us

Mark Jehnke

Ocean County Engineering
129 Hooper Avenue
P.O Box 2191
Toms River, NJ 08754
(732) 929-2183
mjehnke@co.ocean.nj.us

Paul Kittner

Township of Maplewood
574 Valley Street
Maplewood, NJ 07040
(201) 452-9603
Pkittner@maplewoodnj.gov

Aaron Schrager

City of Summit Engineering
512 Springfield Ave
Summit, NJ 07901
(908) 273-9400
aschrager@cityofsummit.org

Dan Loomis

City of Elizabeth Engineering
50 Winfield Scott Plaza
Elizabeth, NJ 07201
(908) 820 - 4278
dloomis@elizabethnj.org



2024 GOVERNMENTAL PROFESSIONAL SERVICES RATE SCHEDULE

Licensed Professional Engineer – Director/Senior Principal	\$240.00/hour
Licensed Professional Engineer – Principal	\$220.00/hour
Licensed Professional Engineer – Branch Manager	\$220.00/hour
Licensed Professional Engineer – Senior Project Manager	\$210.00/hour
Licensed Professional Engineer – Project Manager	\$200.00/hour
Licensed Professional Engineer	\$180.00/hour
Senior Project Manager	\$190.00/hour
Project Manager	\$180.00/hour
Project Engineer	\$160.00/hour
Senior Design Engineer	\$155.00/hour
Design Engineer	\$135.00/hour
Licensed Landscape Architect	\$175.00/hour
Computer Generated Imagery Manager	\$160.00/hour
CAD Director	\$170.00/hour
CAD Manager	\$145.00/hour
Senior CAD Designer	\$125.00/hour
CAD Designer	\$110.00/hour
Senior Project Coordinator	\$125.00/hour
Project Coordinator	\$120.00/hour
Assistant Project Coordinator	\$110.00/hour
Senior Administrative Assistant	\$ 95.00/hour
Administrative Assistant	\$ 90.00/hour
Assistant Professional	\$100.00/hour
Traffic Enumerator	\$ 60.00/hour

LAND SURVEYING SERVICES

Licensed Professional Land Surveyor – Senior Principal	\$240.00/hour
Licensed Professional Land Surveyor – Principal	\$220.00/hour
Licensed Professional Land Surveyor – Senior Project Manager	\$210.00/hour
Licensed Professional Land Surveyor – Project Manager	\$200.00/hour
Licensed Professional Land Surveyor	\$180.00/hour
Senior Project Surveyor/Party Chief	\$160.00/hour
Project Surveyor	\$135.00/hour
Senior Survey Technician	\$135.00/hour
Survey Technician	\$120.00/hour
Assistant Survey Technician	\$ 90.00/hour
Field Survey Crew – Two Man	\$225.00/hour
Field Survey Crew – Three Man	\$275.00/hour

GEOTECHNICAL AND ENVIRONMENTAL SERVICES

Senior Geotechnical Engineer – Project Manager	\$220.00/hour
Senior Geotechnical Engineer	\$200.00/hour
Construction Services Manager	\$160.00/hour
Construction Materials Testing Supervisor	\$160.00/hour
Geotechnical Engineer/Geologist	\$160.00/hour
Senior Technical Professional/Senior Engineering Technician	\$155.00/hour
Engineering Technician	\$ 90.00/hour
Engineering Technician (Half-Day Rate)	\$450.00
Environmental Professional – Senior Principal	\$240.00/hour
Environmental Professional – Principal	\$220.00/hour
Licensed Environmental Professional	\$200.00/hour
Environmental Professional – Senior Project Manager	\$200.00/hour
Environmental Professional – Project Manager	\$180.00/hour
Environmental Scientist	\$160.00/hour
Environmental Technical Professional	\$140.00/hour
Assistant Environmental Technical Professional	\$120.00/hour

Professional Services for the purposes of litigation matters, court appearances and attendance at other legal proceedings shall be billed at 1.5 times the above rates.

REIMBURSABLE RATES

Outside (pass-thru) Services	cost
Postage, Federal Express, UPS, DHL	cost
Travel (meals, tolls, etc.)	cost
Paper Black/White Copy/Prints – A Size (8.5"x11")	\$ 0.20/sheet
Paper Black/White Copy/Prints – B Size (11"x17")	\$ 0.40/sheet
Paper Color Copy/Prints – A Size	\$ 3.00/sheet
Paper Color Copy/Prints – B Size	\$ 5.50/sheet
Paper Plots and Printing – B Sheet	\$ 2.50/sheet
Paper Plots and Printing – C Sheet (18"x24")	\$ 3.50/sheet
Paper Plots and Printing – D Sheet (24"x36")	\$ 4.25/sheet
Paper Plots and Printing – E Sheet (30"x42")	\$ 4.75/sheet
Signed/Sealed Plots – C Sheet	\$ 4.75/sheet
Signed/Sealed Plots – D Sheet	\$ 5.25/sheet
Signed/Sealed Plots – E Sheet	\$ 5.75/sheet
Mylar Plots	\$ 6.75/sq. ft.
Color Plots – D Sheet	\$ 40.00/sheet
Color Plots – E Sheet	\$ 50.00/sheet
Exhibit Mounting – D Size	\$ 85.00/board
Exhibit Mounting – E Size	\$110.00/board
Reports (Size ¼" – ¾")	\$ 20.00 - \$30.00
Reports (Size 1" – 2")	\$ 35.00 - \$65.00
Notary Public Services	\$ 15.00
High Resolution Aerial Imagery	\$100.00/image
Digital Signatures (Initial)	\$200.00/each
Digital Signatures (Each Additional)	\$ 50.00/each
CD/DVD Preparation	\$ 30.00/each
USB – Memory Stick/Thumb Drive	\$ 40.00/each
Electronic Document Preparation	\$ 30.00 up to the first 5 sheets Plus \$5.00/sheet over 5 sheets
Digital Shapefiles	\$200.00/each
Tax Maps	\$ 35.00/sheet
FTP Site Usage	\$ 25.00/unit
Mileage	As published by the IRS
Moisture Content Determination	\$ 50.00/each
Moisture Content Determination (as additional test)	\$ 15.00/each
Modified Proctor	\$350.00/each
Washed Gradation	\$ 90.00/each
Atterberg Limits Determinations (Inorganic)	\$110.00/each
Tube Permeameter	\$200.00/each
Organic Content by Loss on Ignition	\$ 75.00/each
Concrete Cylinders (cast or retained) Sample	\$ 20.00/each
Pick up/Delivery to Laboratory	\$ 90.00/hour
Sample Storage (Beyond 60 days)	\$ 50.00/month
Nuclear Density Gauge	\$ 95.00/day

On-site inspection services by staff engineer or technician will be invoiced at full day increments for services exceeding 4 hours on site or a minimum ½ day charge for less than 4 hours on-site.

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

► Go to www.irs.gov/FormW9 for instructions and the latest information.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

Dynamic Traffic, LLC

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☒ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► P
Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ►

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

1904 Main Street

6 City, state, and ZIP code

Lake Como, NJ 07719

7 List account number(s) here (optional)

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

____ - ____ - ____

or

Employer identification number

4 5 - 4 4 9 8 9 1 0

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign
Here

Signature of
U.S. person ►

John R. Wisniewski

Date ►

5/2/2023

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.



STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE

Taxpayer Name: DYNAMIC TRAFFIC LLC

Trade Name:

Address: 1904 MAIN STREET
LAKE COMO, NJ 07023

Certificate Number: 1696973

Effective Date: June 07, 2012

Date of Issuance: December 06, 2022

For Office Use Only:

20221206160348239

CERTIFICATE OF EMPLOYEE INFORMATION REPORT RENEWAL

This is to certify that the contractor listed below has submitted an Employee Information Report pursuant to N.J.A.C. 17:27-1.1 et. seq. and the State Treasurer has approved said report. This approval will remain in effect for the period of **15-Mar-2023** to **15-Mar-2030**

DYNAMIC TRAFFIC, LLC**1904 MAIN STREET****LAKE COMO****NJ 07719**

A handwritten signature in black ink, appearing to read "Elizabeth Maher Muoio".

ELIZABETH MAHER MUOIO

State Treasurer



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

05/09/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	Cedar Risk Management & Insurance Services Inc 349 State Hwy 31 Ste 201 Flemington, NJ 08822	CONTACT NAME: Robin Campbell PHONE (A/C, No, Ext): (908)237-1800 E-MAIL: rcampbell@cedarrisk.com ADDRESS:	FAX (A/C, No): (908)788-2054
INSURED	DYNAMIC TRAFFIC, LLC 1904 MAIN ST LAKE COMO, NJ 07719	INSURER(S) AFFORDING COVERAGE	NAIC #
		INSURER A: Continental Casualty Co	20478
		INSURER B: Nutmeg Insurance Company	
		INSURER C: Continental Insurance Company	35289
		INSURER D: Scottsdale Ins Co	
		INSURER E:	
		INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 00018318-15789878

REVISION NUMBER: 339

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☐ LOC OTHER:		6078692106	06/19/2022	06/19/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ OWNED AUTOS ONLY ☒ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY		13 UEC GD3930	01/08/2023	01/08/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
C	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED ☒ RETENTION \$ 10,000		6078692123	06/19/2022	06/19/2023	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N ☒ N / A	WC678692087	06/19/2022	06/19/2023	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	Professional Liab		JES0000060	06/19/2022	06/19/2023	Per Claim \$ 5,000,000 Aggregate \$ 5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

FOR REFERENCE ONLY

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

(RMC)

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JOHN H. ALLGAIR, PE, PP, LS (1983-2001)
DAVID J. SAMUEL, PE, PP, CME
JOHN J. STEFANI, PE, LS, PP, CME
JAY B. CORNELL, PE, PP, CME
MICHAEL J. McCLELLAND, PE, PP, CME
GREGORY R. VALES, PE, PP, CME

BRUCE M. KOCH, PE, PP, CME
LOUIS J. PLOSKONKA, PE, CME
TREVOR J. TAYLOR, PE, PP, CME
BEHRAM TURAN, PE, LSRP
LAURA J. NEUMANN, PE, PP
DOUGLAS ROHMEYER, PE, CFM, CME
ROBERT J. RUSSO, PE, PP, CME
JOHN J. HESS, PE, PP, CME
KEITH CHIARAVALLA, PE, CME

May 10, 2024

Sent Via Electronic and Regular Mail

Zayibeth Carballo, Township Engineer
Township of West Orange
66 Main Street
West Orange, NJ 07052

***Re: Estimate of Fees for Professional Engineering Services
All Way Stop Analysis at the Intersections of
Kelly Drive and Haggerty Drive and
Haggerty Drive and Vizcaya Boulevard
Township of West Orange, Essex County, NJ
Proposal No. 2024-124***

Dear Ms. Carballo:

We are pleased to present our estimate of fees for professional rendering services for the All Way Stop Analysis at the two intersection referenced above.

Based on our review of the RFP, it is our understanding that consideration is being given to the installation of all-way stop control at the unsignalized intersection of Kelly Drive and Haggerty Drive and Haggerty Drive and Vizcaya Boulevard. It is the intent of this analysis to evaluate the existing field conditions in conjunction with the Manual on Uniform Traffic Control Devices (MUTCD), Section 2B.11, All-Way Stop Applications guidance, in order to evaluate the viability of implementing an All-Way stop condition at this location. We anticipate that performing the following tasks will be included in the All-Way Stop Analysis:

- Perform site visits and inventory existing conditions
- Collect and Evaluate AM and PM Peak Hour Vehicular, Bus, Truck, and Pedestrian Traffic Volume Data through Manual Turning Movement Counts at the Unsignalized Intersections during a mid-week weekday
- Request and review crash data for the last three years from the Township Police Department
- Evaluate the field conditions and the data collected in accordance with the engineering study criteria set forth in the MUTCD Section 2B.12, All-Way Stop Applications, relative to crashes and minimum volumes



Zayibeth Carballo – Township Engineer
Estimate of Fees for Professional Engineering Services
Re: All-Way Stop Analysis

May 10, 2024
Proposal No.: 2024-124
Page 2

- Review the need to control left-turn conflicts at the intersection
- Review the need to control vehicle and pedestrian conflicts at the intersection
- Review available sight distance at the intersection in accordance with AASHTO standards
- Evaluate operational characteristics of the intersection including Existing and Proposed Level of Service, Capacity and Delay Analyses using the Highway Capacity Software in accordance with the latest Highway Capacity Manual at the study intersection
- Prepare a Summary Report of the MUTCD All-Way Stop Analysis including recommendations
- Attend one meeting to review the report

Total Lump Sum Fee for Services\$25,000.00

Exceptions:

- Any work not specified as listed in the above phase shall be considered additional services and will be invoiced at the time said work is authorized by the Township.

Should this fee estimate meet your approval, please provide our office with a professional services agreement or resolution as an indication of the work to proceed. In the meantime, should you have any questions concerning this matter, please do not hesitate to contact this office.

Very truly yours,
CME Associates

Trevor J. Taylor, PE, PP, CME, CFM
For the Firm

TT

May 8, 2024

Zayibeth Carballo PE, PLS, PP, CME, CFM, CFS
Municipal Engineer
Township of West Orange
Department of Public Works
25 Lakeside Avenue
West Orange, NJ 07052

RE: Professional Engineering Services
All-Way STOP Warrant and LOS Analyses at Unsignalized Intersections of:
1. Kelly Drive & Haggerty Drive
2. Haggerty Drive & Vizcaya Boulevard
Township of West Orange, Essex County, New Jersey

Dear Ms. Carballo:

In response to your April 25, 2024 RFP, we have prepared the following proposal. The Township requested an All-Way Stop Analysis for the intersections of Kelly Drive and Haggerty Drive and Haggerty Drive and Vizcaya Boulevard to determine the most appropriate traffic control measures. There has been one (1) crash at the intersections of Kelly Drive and Haggerty Drive and Haggerty Drive and Vizcaya Boulevard in FY 2018, and a crash report was included in the RFP. As a deliverable, the Township has requested All-Way Stop analysis and a recommendation of next steps.

GPI will provide the following services.

SCOPE OF SERVICES

TASK 1 – TRAFFIC STUDY

The following tasks will be performed as a part of the traffic study:

1. **Field View** – A field view will be performed at the two (2) study intersections to observe existing road and traffic conditions. Notations of existing physical characteristics of the road system (e.g., road/lane widths, parking, speed limits and other signing, sight distances/restrictions, lighting, crash debris, etc.) will be made. A GoPro camera will also be used to collect video of the intersection approaches at both locations for reference as a part of this study.
2. **Traffic Data** – Classified intersection turning movement traffic counts will be collected at the two (2) study intersections. The specific work associated with this task is listed as follows:
 - Counts will be conducted with MioVision Cameras.
 - Counts will be thirteen (13) hours in length (6:00AM to 7:00PM on a typical Tuesday, Wednesday, or Thursday while schools are in session).
 - Count Classification
 - MioVision Premium Classification:
 - Motorcycles
 - Cars & Light Goods
 - Buses
 - Single Unit Trucks

- Articulated Trucks
 - Pedestrians & Bicycles in the crosswalk
3. All-Way STOP Warrant Analysis – An All-Way STOP Warrant Analysis will be performed in accordance with the new 2023 MUTCD guidelines (11th Edition) for the two (2) study intersections. As noted on pages 78 – 79 of 1161 of the 2023 MUTCD, the following warrants will be evaluated:
 - Warrant A: Crash Experience – It is assumed that GPI will review the crash summary information for Years 2021, 2022, and 2023 collected through NJDOT's Safety Voyager database. Individual crash records will not be collected from the NJDOT or the municipality or reviewed as a part of this project. Crash diagrams will not be prepared as they are not required for the Warrant Analysis.
 - Warrant B: Sight Distance – GPI will obtain sight distance calculations for each approach. Actual field conditions are to be taken into account as on-street parking may obstruct sight distances. GPI's Bridgewater Office will then apply this information to this warrant.
 - Warrant C: Transition to Signal Control or Transition to Yield Control at a Circular Intersection – It is assumed that this warrant is not applicable since there are currently no arrangements being made for the installation of a traffic control signal, and this intersection is not circular in nature.
 - Warrant D: 8-Hour Volume (Vehicles, Pedestrians, Bicycles) – The traffic data as summarized in Task 2 (above) will be utilized to perform this warrant. Charts and/or tables will be prepared as required.
 - Warrant E: Other Factors – Engineering judgement will be utilized to determine if any other conditions may exist to warrant the need for All-Way STOP traffic control at this intersection.
 4. Levels of Service (LOS) Analyses – LOS analyses will be performed for the weekday peak traffic hours (AM and PM peak traffic periods) for the two (2) intersections based on policies and guidance as contained in the Highway Capacity Manual (HCM) 6th Edition. Results of the analyses will be presented in tabular form.
 5. Technical Memorandum – A draft Technical Memorandum (Report of Findings) will first be prepared and presented to the Township that summarizes the work associated with this study. Recommendations for next steps will be included, if and as applicable. A final Technical Memorandum incorporating any comments received from the Township will then be prepared and submitted.
 6. Project Management, QA/QC, and Meeting Attendance - It is assumed that this assessment will be completed within six (6) weeks of notice to proceed. It is assumed that GPI will attend up to one (1) virtual meeting with the Township to review and present the results of this assessment.

ASSUMPTIONS

This proposal does not include design plans for the identification for the type, size, and/or location of any signs or pavement markings or other improvements. If requested, this work would be performed as a part of a separate design project.

PROJECT COST SUMMARY

Our lump sum fee to provide the Scope of Services described in Tasks 1 through 6 above is **\$36,350.00**.

Zayibeth Carballo, PE, PLS, PP, CME, CFM, CFS
Municipal Engineer
May 8, 2024
Page 3

Thank you for providing GPI this opportunity to work with the Township. Should you have any questions, please contact me at my direct line at 973-434-8349.

Very truly yours,

A handwritten signature in blue ink, appearing to read 'Andrew Cangiano', is written over a horizontal line.

Andrew Cangiano, PE, CME
Director of Engineering

m:\proposals\act\west orange\kellydr_haggerty dr_all-way stop warrant analyses\all way stop analyses 04-29-2024.docx



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

12/19/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER PG Genatt Group LLC 3333 NEW HYDE PARK RD SUITE 409 NEW HYDE PARK NY 11042	CONTACT NAME: Jeff Kozarsky PHONE (A/C, No, Ext): 516-869-8788 FAX (A/C, No): 516-470-0338 E-MAIL ADDRESS: jkozarsky@genattgrp.com												
INSURED Greenman Pedersen, Inc. (Morris Plains) 301 Gibraltar Drive, Suite 2A Morris Plains NJ 07950	INSURER(S) AFFORDING COVERAGE <table><tr><td>INSURER A: XL Specialty Insurance Company</td><td>NAIC # 37885</td></tr><tr><td>INSURER B: Everest National Insurance Company</td><td>10120</td></tr><tr><td>INSURER C: North Pointe Insurance Company</td><td>27740</td></tr><tr><td>INSURER D: QBE Insurance Corporation</td><td>39217</td></tr><tr><td>INSURER E: Stonington Insurance Company</td><td>10340</td></tr><tr><td>INSURER F: Allied World Assurance Company (U.S.) Inc.</td><td>19489</td></tr></table>	INSURER A: XL Specialty Insurance Company	NAIC # 37885	INSURER B: Everest National Insurance Company	10120	INSURER C: North Pointe Insurance Company	27740	INSURER D: QBE Insurance Corporation	39217	INSURER E: Stonington Insurance Company	10340	INSURER F: Allied World Assurance Company (U.S.) Inc.	19489
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INSURER D: QBE Insurance Corporation	39217												
INSURER E: Stonington Insurance Company	10340												
INSURER F: Allied World Assurance Company (U.S.) Inc.	19489												

COVERAGES**CERTIFICATE NUMBER:** 1051438221**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS														
D	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☒ LOC ☐ OTHER:		171000795	12/31/2023	12/31/2024	<table><tr><td>EACH OCCURRENCE</td><td>\$ 2,000,000</td></tr><tr><td>DAMAGE TO RENTED PREMISES (Ea occurrence)</td><td>\$ 500,000</td></tr><tr><td>MED EXP (Any one person)</td><td>\$ 10,000</td></tr><tr><td>PERSONAL & ADV INJURY</td><td>\$ 1,000,000</td></tr><tr><td>GENERAL AGGREGATE</td><td>\$ 4,000,000</td></tr><tr><td>PRODUCTS - COMP/OP AGG</td><td>\$ 4,000,000</td></tr><tr><td></td><td>\$</td></tr></table>	EACH OCCURRENCE	\$ 2,000,000	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 500,000	MED EXP (Any one person)	\$ 10,000	PERSONAL & ADV INJURY	\$ 1,000,000	GENERAL AGGREGATE	\$ 4,000,000	PRODUCTS - COMP/OP AGG	\$ 4,000,000		\$
EACH OCCURRENCE	\$ 2,000,000																			
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	\$																			
C	AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY		161001112	12/31/2023	12/31/2024	<table><tr><td>COMBINED SINGLE LIMIT (Ea accident)</td><td>\$ 2,000,000</td></tr><tr><td>BODILY INJURY (Per person)</td><td>\$</td></tr><tr><td>BODILY INJURY (Per accident)</td><td>\$</td></tr><tr><td>PROPERTY DAMAGE (Per accident)</td><td>\$</td></tr><tr><td></td><td>\$</td></tr></table>	COMBINED SINGLE LIMIT (Ea accident)	\$ 2,000,000	BODILY INJURY (Per person)	\$	BODILY INJURY (Per accident)	\$	PROPERTY DAMAGE (Per accident)	\$		\$				
COMBINED SINGLE LIMIT (Ea accident)	\$ 2,000,000																			
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BODILY INJURY (Per accident)	\$																			
PROPERTY DAMAGE (Per accident)	\$																			
	\$																			
B	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☒ RETENTION \$ 10,000		XC5GU00324231	12/31/2023	12/31/2024	<table><tr><td>EACH OCCURRENCE</td><td>\$ 5,000,000</td></tr><tr><td>AGGREGATE</td><td>\$ 5,000,000</td></tr><tr><td></td><td>\$</td></tr></table>	EACH OCCURRENCE	\$ 5,000,000	AGGREGATE	\$ 5,000,000		\$								
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AGGREGATE	\$ 5,000,000																			
	\$																			
E	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N ☐ N/A		152000765	12/31/2023	12/31/2024	<table><tr><td>☒ PER STATUTE ☐ OTH-ER</td><td></td></tr><tr><td>E.L. EACH ACCIDENT</td><td>\$ 1,000,000</td></tr><tr><td>E.L. DISEASE - EA EMPLOYEE</td><td>\$ 1,000,000</td></tr><tr><td>E.L. DISEASE - POLICY LIMIT</td><td>\$ 1,000,000</td></tr></table>	☒ PER STATUTE ☐ OTH-ER		E.L. EACH ACCIDENT	\$ 1,000,000	E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000	E.L. DISEASE - POLICY LIMIT	\$ 1,000,000						
☒ PER STATUTE ☐ OTH-ER																				
E.L. EACH ACCIDENT	\$ 1,000,000																			
E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000																			
E.L. DISEASE - POLICY LIMIT	\$ 1,000,000																			
A F	Property Professional Liability		UM00082200MA23A 03141016	12/31/2023 12/31/2023	12/31/2024 12/31/2024	<table><tr><td>Valuable Papers</td><td>\$150,000</td></tr><tr><td>Each Claim</td><td>\$2,000,000</td></tr><tr><td>Aggregate</td><td>\$2,000,000</td></tr></table>	Valuable Papers	\$150,000	Each Claim	\$2,000,000	Aggregate	\$2,000,000								
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DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER**CANCELLATION** 30 day notice applies

SAMPLE
FOR INFORMATIONAL
PURPOSES ONLY

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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