



Keller & Kirkpatrick, Inc.

Matthew L. Martini, PLS, PP, President

Muhammed Assal, PE
Thomas J. Aslanian, PE
Kevin S. Bogerman, PLS
Andrew Cangiano, PE, PP, CME

Arthur J. Elias, PE, PP
Edward J. Formichella, PLS, PP
Andrew D. Henderson, PLS
Frederick J. Henkel, Jr., PLS
Charles J. Holloway, PE, PP, CME

Michael J. Manning, PLS, PP
Stanley Pilny, PLS
Paul M. Szmaida, PLA
William E. Thomas, PLS, PP
Michael A. Wallo, PE, CME

October 17, 2019

Leonard R. Lepore, Municipal Engineer
Director of Public Works
Township of West Orange
25 Lakeside Avenue
West Orange, NJ 07052

RE: Additional Engineering Services
Improvement of Dogwood Drive and Dogwood Road
Our File No. 2019039

Dear Mr. Lepore:

Thank you for the opportunity to provide additional Engineering Services in connection with the referenced project. We understand that additional design improvements are required by the Township to install a channelized intersection at the Dogwood Drive/Old Short Hills Road intersection. We have prepared the following scope of work to be consistent with the services set forth in the Township's original RFP, dated March 26, 2019.

SCOPE OF SERVICES

Professional services will include base map preparation and engineering design to be incorporated into the Improvement of Dogwood Drive and Dogwood Road project final contract documents. Since Old Short Hills Road is a County Road and the intersection is located on the border of West Orange Township and Livingston Township, coordination with both Essex County and Livingston Township will be required.

DESIGN SERVICES

A. Base Mapping

1. We will obtain additional field measurements to prepare a more detailed base map to assure adequate data for design of the required improvements.

B. Design and Bid Documents

1. We will review specific required improvements in the field and coordinate our efforts with your office. Additionally, we will coordinate with both Livingston Township and Essex County personnel.

Leonard R. Lepore, Municipal Engineer
Director of Public Works
Township of West Orange
October 17, 2019
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2. We will prepare a revised plan at a scale of 1" = 30' utilizing the base mapping prepared under Task A.
3. All design criteria will comply with the current NJDOT and MUTCD specifications.
4. The Improvement of Dogwood Drive and Dogwood Road specifications will be revised as required.
5. The list of quantities and Engineer's Estimate will be revised.
6. Final Contract Document deliverables will be in accordance the Improvement of Dogwood Drive and Dogwood Road project RFP requirements.

FEE: \$2,900.00

We are pleased to have this opportunity to be of continued service to the Township of West Orange and hope you will find our proposal favorable. We would be happy to provide additional information or assistance as your needs dictate. My direct line is (973) 434-8349.

Very truly yours,



Andrew Cangiano, PE, PP, CME
Principal Engineer

AC/rem

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cc: Matthew L. Martini, PLS, PP, President



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October 17, 2019

Leonard R. Lepore, Municipal Engineer
Director of Public Works
Township of West Orange
25 Lakeside Avenue
West Orange, NJ 07052

RE: Additional Engineering Services
Street Improvements 2018, Phase IIA
Hutton Avenue, Condit Terrace, and Lindsley Avenue
Our File No. 2018013

Dear Mr. Lepore:

Thank you for the opportunity to provide additional Engineering Services. We understand the 2018 Phase IIA Street Improvement project will be amended to remove Walker Road from the project and include Hutton Avenue, Condit Terrace and Lindsley Avenue. We have prepared the following scope of work to be consistent with the services set forth in the Township's original RFP, dated February 6, 2018.

SCOPE OF SERVICES

Keller & Kirkpatrick, Inc. understands that the Township of West Orange requires additional engineering services in connection with the streets noted below. All streets will have existing curbs replaced with new curb, ADA compliant curb ramps, new sidewalk at the ramps, drainage inlet resets or reconstruction, milling and resurfacing. Additionally, Hutton Avenue will have new driveway aprons.

Professional services will include base map preparation, engineering design, and the preparation of construction plans to be incorporated into the 2018, Phase IIA Street Improvement project final contract documents suitable for the public bid.

Services will include improvements to the following three (3) roadways:

	Roadway	Limits	Length (Ft)
1.	Hutton Avenue	Randolph place to Northfield Ave.	575
2.	Condit Terrace	Entire length	445
3.	Lindsley Avenue	Longview Street to Brennan Drive	565
	TOTAL ESTIMATED LENGTH:		1,585

DESIGN SERVICES

A. Base Mapping

1. Utilizing Township tax maps and state aerial mapping as a base, and followed by obtaining field measurements, an accurate map of existing conditions will be prepared for each roadway to assure adequate data for design of the required improvements.
2. Using the base information and field information, the plans will depict the location of existing driveways, curbs and sidewalk, storm sewer structures, and other utilities.

B. Design and Bid Documents

1. We will review specific required improvements in the field and coordinate our efforts with your office.
2. We will prepare engineering plans for each street at a scale of 1" = 30' utilizing the base mapping prepared under Task A.
3. All design criteria will comply with the current NJDOT and MUTCD specifications.
4. The 2018, Phase IIA specifications will be revised as required.
5. The list of quantities and Engineer's Estimate will also be revised and updated to remove Walker Road and to include the new streets.
6. Final Contract Document deliverables will be in accordance the 2018, Phase IIA project RFP requirements

FEE: \$3,900.00

We are pleased to have this opportunity to be of continued service to the Township of West Orange and hope you will find our proposal favorable. We would be happy to provide additional information or assistance as your needs dictate. My direct line is (973) 434-8349.

Very truly yours,



Andrew Cangiano, PE, PP, CME
Principal Engineer

AC/rem

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cc: Matthew L. Martini, PLS, PP, President