

CITY COUNCIL**The City of Orange Township, New Jersey**DATE January 16, 2024NUMBER 31-2024

TITLE: A RESOLUTION OF THE MUNICIPAL COUNCIL OF THE CITY OF ORANGE TOWNSHIP APPROVINIG AN AGREEMENT WITH NV5 INC. FOR PROFESSIONAL ENGINEERING AND DESIGN SERVICES AS PART OF THE "SAFE ROUTES TO SCHOOL PROGRAM", IN AN AMOUNT NOT TO EXCEED \$105,940.07.

WHEREAS, the City of Orange Township ("City") was awarded a grant in the amount of \$1,000,000 from the New Jersey Department of Transportation ("NJDOT") for the Safe Routes to School (SRTS) Program, and

WHEREAS, the City was included in the NJDOT's design assistance program, whereby the costs related to Preliminary Engineering for the SRTS Program have been authorized by NJDOT and are fully reimbursable up to \$257,228.90; and

WHEREAS, the City selected NV5, Inc., 800 Lanidex Plaza, Suite 300, Parsippany, New Jersey, 07054 ("NV5") as its preferred consultant for the SRTS Program from a pool of engineering design consultants established by NJDOT through a quality-based selection process; and

WHEREAS, such services are professional services as defined in the Local Public Contracts Law, *N.J.S.A. 40A:11-1 et seq.*; and

WHEREAS, NV5, Inc., is a full service professional and technical engineering firm in the State of New Jersey with extensive experience in providing these services; and

WHEREAS, NV5, Inc., provided a proposal for Preliminary Engineering services for the SRTS Program, dated December 6, 2023, which was approved by NJDOT; and

WHEREAS, funds are available for this purpose in Account Number G-02-10-554-000-001, in the amount of \$105,940.07, as reflected by the attached Certification of Funds.

NOW, THEREFORE, BE IT RESOLVED BY THE MUNICIPAL COUNCIL OF THE CITY OF ORANGE TOWNSHIP, COUNTY OF ESSEX, STATE OF NEW JERSEY, that the agreement between the City of Orange Township and NV5, Incorporated in form appended hereto, is hereby approved; and,

BE IT FURTHER RESOLVED that notice of this action shall be published in accordance with applicable law.



A. M. Z. R. A. H.

Adopted: **January 16, 2024**

Joyce L. Lanier
City Clerk

Tency A. Eason
Council President

AGREEMENT

This is an agreement, made on _____ between the City of Orange Township, "City" with an address at 29 North Day Street, Orange, New Jersey 07050, and NV5, Inc., 800 Lanidex Plaza, Suite 300, Parsippany, New Jersey 07054.

RECITALS

WHEREAS, the City of Orange is a municipal corporation of the State of New Jersey, and has its principal place of business at 29 North Day Street, Orange, New Jersey 07050.

WHEREAS, the City hereby retains and employs the services of **NV5, Inc.**, to **provide Professional Engineering Services for the Safe Routes to School Program.**

WHEREAS, the "Consultant" is duly licensed to practice in the State of New Jersey and desires to render engineering services for the City as provided in the agreement.

NOW, THEREFORE, the City engages the services of the Consultant", and in consideration of the recitals and the mutual promises contained in this agreement, the parties agree as follows:

1. This agreement shall be effective commencing on the date approved by Resolution No. _____ of the City Council of the City of Orange Township, and shall continue in effect until completion of the project, unless sooner terminated by the City by giving ten (10) days written notice to the other party.

SERVICES

2. The "**Consultant**" shall render professional engineering services in accordance

with its qualification proposal, December 6, 2023, a copy of which is attached here to.

USE OF AGENTS OR ASSISTANTS

3. To the extent reasonably necessary for the **“Consultant”** to perform the duties under this contract, the **“Consultant”** is authorized to engage the services of any agents or assistants that it deems reasonably necessary. Further, the **“Consultant”** may employ, engage, or retain the services of any other person or corporation to aid or assist in the proper performance of **“Consultant”** duties. The cost of services of these agents or assistances will be borne by the **“Consultant”** and any expenses incurred by the **“Consultant”** in engaging any agents or assistants shall be borne by the **“Consultant”**.

THE COST OF SUPPLIES AND EQUIPMENT

4. The cost of supplies, equipment and facilities necessary for the **“Consultant”** to meet its obligations under the term of this agreement shall be solely borne by the Consultant.

FEE

5. For services to be rendered under this agreement, the **Consultant”** shall be entitled to a fee of \$105,940.07.

DEVOTION OF TIME

6. The **“Consultant”** shall devote sufficient time to the performance of the duties under this agreement as is reasonably necessary for a satisfactory performance. Should the City require additional services not included in this agreement, the **“Consultant”**, shall subject to Paragraph 5, make a reasonable effort to perform these additional services without decreasing the effectiveness of the performance of the duties requires by this agreement.

INSURANCE

7. The **“Consultant”** (1) shall be an independent contractor and not an employee of the City under this agreement; (2) shall maintain a policy of liability insurance in the minimum amount of \$1,000,000.00 to cover any claims arising out of the performance of the services under this agreement; and (3) shall further indemnify, save harmless, and defend the City from any claims arising from negligent of any act or omission of the **“Consultant”** of the agents.

NON-DISCRIMINATION AND AFFIRMATIVE ACTION

8. Non-Discrimination and Affirmative Action – The Consultant shall comply with the requirements of all statutes, laws and regulations regarding non-discrimination and affirmative action in the employment of workers. In particular, the Consultant will be required to comply with the requirements of New Jersey P.L. 1975, c. 127. (N.J.A.C.17:27).

PRIOR AGREEMENT SUPERSEDED

9. This agreement constitutes the sole agreement of the parties and supersedes any

and all prior understandings or written or oral agreements between the parties to this agreement with respect to its subject matter. No other agreement, statement, or promise relating to the subject matter of this agreement that is not contained in it shall be valid or binding.

ASSIGNMENT

10. Neither this agreement nor any duties or obligations under this agreement shall be assigned or delegated by the **"Consultant"** without the prior written consent of the City except provided in Paragraph 3. In the event of an assignment and/or delegation by the **"Consultant"** to which the City has consented, the assignee or the assignee's legal representative shall agree in writing with the City personally to assume, perform, and be bound by the covenants, obligations, and agreements contained in this agreement.

PARTIES BOUND

11. This agreement shall be binding on and inure to the benefit of the parties to this agreement and their respective heirs, executors, administrators, legal representatives, successors, and assigns unless expressly prohibited by this agreement.

INDEMNIFICATION/HOLD HARMLESS

12. The **"Consultant"** agrees to defend (including attorney's Fees), pay on behalf of, indemnify, and hold harmless the City of Orange Township, New Jersey, its elected and appointed officials, employees and volunteers and others working on behalf of the City of Orange Township, New Jersey, against any and all claims, actions, demands, suits or loss, including all costs connected therewith, and for any damages which may

be asserted, claimed or recovered against or from the City of Orange Township, New Jersey, which arises out of or is in any way connected or associated with negligent acts or omissions of Consultant with this contract.

This indemnification includes, the Contract, including, without limitation, expenses, judgments, fines, settlements and other amounts actually and reasonably incurred in connection with any liability, suit, action, loss, or damage arising or resulting from the “**Consultant’s**” participation in the Contract.

ATTORNEY’S FEES

13. If any action at law or in equity is brought to enforce or interpret the provisions of this agreement, the prevailing party shall be entitled to reasonable attorney’s fees in addition to any other relief that may be available.

GOVERNING LAW

14. The validity of this agreement and of any of its terms or provisions, as well as the rights and duties of the parties to this agreement, shall be governed by and construed in accordance with the laws of the State of New Jersey.

AMENDMENT

15. This agreement only be amended or modified by writing executed by both parties to this agreement.

LEGAL CONSTRUCTION

16. In case any one or more of the provisions contained in this agreement shall for any reason be held to be invalid, illegal, or unenforceable in any respect, the invalidity, illegality, or unenforceability shall not effect any other provision of this agreement and this agreement shall be construed as if such invalid, illegal, or

unenforceable provision had never been contained in it.

NOTICE

17. All notices and other communications shall be sent by certified mail, return receipt requested, and shall be deemed to have been given when sent to the parties at their respective addresses as set forth above, unless a different address has been selected after the execution of this agreement and has been duly communicated to the party giving notice.

IN WITNESSED WHEREOF, the parties execute this agreement on the day and year first written above.

Attest:

City of Orange Township

Joyce L. Lanier
City Clerk

Dwayne D. Warren, Esq.
Mayor

Attest:

NV5, Inc.
800 Lanidex Plaza, Suite 300
Parsippany, New Jersey 07054

Approved as to Form and Sufficiency

Gracia R. Montilus, City Attorney

CITY OF ORANGE
FINANCE DEPARTMENT

CERTIFICATION OF FUNDS
GRANT TRUST ACCOUNT

I, Nile Clements, Chief Financial Officer for the City of Orange, do hereby certify to the best of my knowledge and belief that there are now sufficient funds in the following Grant account(s) to Contract with:

Vendor Name: NV5
Address#1: 800 Lanidex Plaza
Address#2: Suite 300

City: Parsippany
State: NJ
Zip Code: 07054

Purpose: Professional Engineering and design for
Safe routes to Schools program

Fund: Current Fund - Grants
Account Name NJ Safe Routes to Schools
Account Numbers(s): G-02-10-554-000-001
Balance Before 848,711.17
Requested 105,940.07
Balance After 742,771.10

Vendor ID: NV500005

Purchase Order # : 23-02143

Amount not to exceed: \$105,940.07

Division Head

Date

Nile Clements

12/27/2023

Chief Financial Officer

Date

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.

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
NV5, Inc.

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) ▶ _____

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.
800 Lanidex Plaza, Suite 300

6 City, state, and ZIP code
Parsippany, NJ 07054

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

2	2	-	1	8	5	4	9	8	0
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Part II Certification

Under penalties of perjury, I certify that:

- 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
- 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
- I am a U.S. citizen or other U.S. person (defined below); and
- 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 ▶  Date ▶ January 3, 2024

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: NV5, INC.
Trade Name:
Address: 7 CAMPUS DRIVE STE 300
PARSIPPANY, NJ 07054-4413
Certificate Number: 0064321
Effective Date: October 07, 1968
Date of Issuance: October 25, 2016

For Office Use Only:
20161025103246381



Marty Mayes
 Director Department of Public Works
 City of Orange Township
 City Hall - 29 North Day Street
 Orange, New Jersey 07050

December 6, 2023

Re: City of Orange Township SRTS 2018
 Pedestrian Safety Upgrades Park Ave Elementary School
 Design Assistance
 City of Orange Township, Essex County
 Proposal to Extend Preliminary Engineering (PE) Contract

Dear Mr. Mayes:

As per the City of Orange Township's request, this proposal serves as an extension of our current services being conducted for Safe Routes to School (SRTS) improvements associated with the City of Orange's 2018 SRTS grant for pedestrian safety related improvements in the vicinity of the Park Avenue Elementary School. This proposal extension is associated with the following:

- Original approved proposal dated May 3, 2021 – please see attached
- Zero Cost Modification Request dated July 3, 2023– please see attached

The City has compensated NV5 only through Invoice #3 dated May 26, 2023 to the period of services ending April 29, 2023 in the amount of \$151,288.83. As a result, this proposal is associated with the remaining balance of funds to complete PE Design totaling \$105,940.07 as summarized below:

	Project Ceiling	Paid through Invoice 3	Remaining to be applied to December 2023 Contract Extension Proposal
NV5 Salaries	\$ 69,158.68	\$ 37,549.18	\$ 31,609.50
NV5 O/H	\$ 104,941.36	\$ 56,977.12	\$ 47,964.24
NV5 Fixed Fee	\$ 13,485.94	\$ 7,322.08	\$ 6,163.86
NV5 Expenses	\$ 2,150.00	\$ 1.96	\$ 2,148.04
Bright View Eng	\$ 17,545.09	\$ -	\$ 17,545.09
AmerCom (ESBE)	\$ 49,947.83	\$ 49,438.49	\$ 509.34
TOTAL	\$ 257,228.90	\$ 151,288.83	\$ 105,940.07

We look forward to the City's acceptance so that we may continue processing invoices and complete the PE Phase of the project.

Very truly yours,

Denice daCunha P.E.
 Project Manager

cc: City of Orange Township: Christopher D. Mobley Department of Planning and Economic Development
 NV5: Drew Markewicz

800 Lanidex Plaza, Suite 300 | Parsippany, NJ 07054 | www.NV5.com | Office 973.946.5600 | Fax 973.984.5421

CONSTRUCTION QUALITY ASSURANCE - INFRASTRUCTURE - UTILITY SERVICES AND TECHNOLOGY - PROGRAM MANAGEMENT - ENVIRONMENTAL



Marty Mayes
Director Department of Public Works
City of Orange Township
City Hall
29 North Day Street
Orange, New Jersey 07050

December 2023 - See Last Page of This Request for Breakdown of Contract Extension Funds based upon Original proposal, Zero Cost Modification and services compensated to date as documented in invoices 1 - 3.

May 3, 2021

Re: City of Orange Township SRTS 2018
Pedestrian Safety Upgrades Park Ave Elementary School
Design Assistance
City of Orange Township, Essex County
Final Proposal for Design Services

Dear Mr. Mayes:

For City of Orange Township and NJDOT concurrent review, attached please find our revised proposal package for Safe Routes to School (SRTS) improvements associated with the City of Orange's 2018 SRTS grant application for pedestrian safety related improvements in the vicinity of the Park Avenue Elementary School. This proposal is based upon discussions and direction provided during our October 6, 2020 online meeting with representatives from City of Orange and NJDOT as well as a supplemental in person field meeting between City staff and NV5 personnel and email comments from NJDOT received April 28, 2021.

Our proposal includes separate cost estimates for all three (3) phases: Preliminary Engineering, Final Design and Construction Support as well as a map summarizing intended project and survey limits and draft Preliminary Engineering schedule. Our ESBE subconsultant, AmerCom, will provide survey support services. Our updated proposal incorporates 2021 wage rates.

As noted in the project assumptions narrative, the scope has changed slightly from the grant application-due to locations in the grant already being constructed and as coordinated with City of Orange and NJDOT.

We look forward to advancing our agreement for design services and appreciate the opportunity to provide services to the City of Orange on this project.

Very truly yours,

Denice daCunha P.E.
Project Manager

cc: City of Orange Township: Christopher D. Mobley Department of Planning and Economic Development
NJDOT: Julie Seaman, Eileen Schack, Baher Girgis, Osbel Dorvil
NV5: James Huselton, Drew Markewicz, Joseph Fishinger

City of Orange Township SRTS 2018
Pedestrian Safety Upgrades Park Ave Elementary School
May 2021

Application Description / About the Project

Purpose: The City of Orange Township, in coordination with the Orange Board of Education proposes a variety of pedestrian safety improvements to the primary travel corridors to and from the Parke Avenue Elementary School. The project will also serve to benefit all schools in the area as these paths are heavily used by students traveling to other schools. Safety concerns include tripping hazards related to the condition of existing sidewalks. This includes sections that are slate that are uneven, broken, upheaved by trees and/or slippery in snow or when covered with leaves. Other improvements include upgraded curb ramps to ADA standards, crosswalk pavement markings and school zone signage to improve safety for walking or biking to school.

Project Limits: Proposed improvements locations are identified in the attached survey limit graphics and listed below. It is noted that the Project Team reviewed the Route limits during the project kickoff meeting and City of Orange Townships' representatives identified sections of some corridors that were recently improved, and such removed from the project. NV5 was requested to attend an onsite visit to review the project limits with City representatives. The review was conducted on October 27, 2020.

1. Park Avenue from the West Orange border to East Orange Border
2. Thomas Boulevard from Washington Street to Springdale Avenue
3. Washington Street from Duane Street to North Center Street
4. Duane Street from Park Avenue to Washington Street
5. Park Place from Park Avenue to the East Orange Border (added to scope at request of the City of Orange – See proposal Assumption #6)
6. North Center Street from Main Street to Park Avenue
7. Park Street from Main Street to the East Orange Border
8. Wallace Street from North Center Street to Park Avenue
9. Elm Street from Park Street to Hillyer Street
10. Ward Street from Park Street to Hillyer Street
11. William Street from North Center Street to Glenwood Avenue (Hillyer to Glenwood added to scope at the request of the City of Orange– See proposal Assumption #6)

Proposal Assumptions:

1. The NJDOT Bureau of Local Aid main contact for both NV5 and the City of Orange Township will be Julie Seaman from Trenton Office and from District 2: Eileen Schack, Baher Girgis and Osbel Dorvil. District 2 will be reviewing documents and coordinating design development efforts.
2. The Responsible Charge from the City of Orange Township will be Marty Mayes, Director of public Works. It was noted that Christopher Mobley will also take training and assist on this project.
3. The City of Orange Township will provide any available basemapping or asbuilts to NV5. It is assumed all improvements will be within the existing City of Orange Township or Essex County Right-of-Way.
4. Coordination with Essex County will required for improvements along Park Avenue (CR 658).
5. Non-participating design assistance improvements can include traffic signal design, street improvements (such as resurfacing) and improvements outside the grant intentions. Non-participating improvements can be included within project efforts but must be separated out in both design and construction and paid for

separately by the City of Orange Township and are non-reimbursable. As the project progresses, if additional services are requested, they can be added separate from the grant for Design Assistance.

6. Since the City has already improved sections of the project area outside of this grant, they requested Local Aid consider a slight change in scope from the grant application. This was coordinated through discussions with NJDOT and the revisions are summarized below:

The project improvement areas that were included in the grant but removed from the scope since the City already completed improvements include:

- North Center Street from Park Ave to Washington Street
- Washington Street from Thomas Boulevard to Dodd Street
- Snyder Street from North Center Street to Park Street
- New Street from North Center Street to Park Street

Also, the grant included State Street from Park Street to Hillyer Street, but the scope was reduced to include State Street between Park Street and the Corporate Border to stay within City of Orange (the original grant application extended into East Orange).

The revised areas included in the scope include extending the project limits to include Park Place from Park Avenue to the East Orange border and William Street from Hillyer Street to Glenwood Avenue.

7. NV5 will prepare environmental constraint mapping. NJDOT will prepare the required NEPA Document, anticipated to be a Categorical Exclusion Document (CED). NV5 will provide assistance on the Cultural Resource services as define in the project scope. No permit applications for the project are anticipated.
8. Our subconsultant, AmerCom will provide survey support services.

City of Orange Township SRTS 2018
Pedestrian Safety Upgrades Park Ave Elementary School
Preliminary Design
May 2021

I. Scope of Work

The following scope is based upon Activities from NJDOT's latest Preliminary Engineering (PE) procedures (dated April 2019) and Final Design (FD) procedures (dated October 2019) and follows the respective NJDOT activity numbers.

Preliminary Engineering Services

Preliminary Engineering (PE)

Note: This project is currently starting in the PE Phase. Concept Development (CD) services were not formally conducted.

Initiate Preliminary Engineering (3005)

NV5 will attend a kickoff meeting attended by the City of Orange Township and NJDOT Local Aid to discuss the project scope of services, schedule and commence Preliminary Engineering (PE).

Designs will be based on available as-built plans, base map showing site topography, environmental and physical constraints, and existing utilities, as well as information gathered as part of this scope of work. Preliminary plans (estimated at 60%) and details will be included as part of a submission to the City of Orange Township and NJDOT Local Aid District 2 for review and comment.

NV5 will gather available data and information needed. At a minimum the data will include the following:

- Base Maps
- Jurisdictional Maps and Agreements
- ROW (from existing maps provided City of Orange Township)
- Utility information

Survey Services (By NV5 and Subconsultant AmerCom) See attached graphic and below table with assigned survey limits and AmerCom proposal.

Prepare Control Survey Report (3015) –Limited (Also See AmerCom Proposal)

Survey Control information will be summarized.

Conduct Topographic Survey (3020) - See AmerCom Proposal – Services completed by both NV5 and AmerCom

The purpose of the survey is to capture sufficient information to allow for the design of the proposed improvements: ADA curb ramps, new curbs, sidewalks and signage. Since pavement resurfacing is not part of the project scope, survey will be limited to areas between the face of curb and assumed right of way line along tangent roadway sections. Pavement elevations will be collected at intersections to facilitate crosswalk design as necessary.

We will survey existing planimetric features within these limits that include top and bottom of curb; spot points along sidewalks and street pavements; additional points on the sidewalks; striping and crosswalk locations; visible utility mark outs and visible surface utilities. Inlet locations will be surveyed but inverts

and pipe sizes will not be obtained. Entire blocks, buildings and any physical features located within the interior of the limits detailed above will not be surveyed.

Prepare Base Maps (3025)

NV5 proposes to use the data gathered in Activity 3020 and plotted at 20 scale to adequately map the individual project areas. Existing right-of-way (ROW) lines will be shown per available ROW and Tax Maps and corner markers found during field survey work. ROW takings are to be avoided, thus not anticipated.

The base maps will also include the construction baselines, bench marks, and existing available right of way information.

Utilities

Prepare Utility Base Plans (3035)

This effort will be limited to areas of potential conflict. A list of utility owners with facilities within the limits will be obtained from the City of Orange.

Utility base plans will be prepared using project mapping. A field review will be conducted to depict the utility surface features and overhead facilities on the utility base plans. These plans will serve as the base plans for the alternatives of accommodation and the Utility Agreement Plan. Utility base plans will be prepared as part of Activity 3025 above.

Establish Utility Engineering Funding (3040) –Utility funding is not reimbursable and therefore this task is not included in this proposal.

Send Utility Verification Request Letter (3045)

NV5 will confirm the utility companies serving the study area through a field investigation. In addition to the field investigation, NV5 will identify the Regional utility owner contacts and send a letter to the respective utility companies, along with two sets of the utility base plans, requesting they confirm and identify their existing facilities within the project area.

Prepare Utility Agreement (3050) - not anticipated / not included

Update Base Plans & Identify Conflicts (3055)

The goal is to avoid utility impacts. We will coordinate with the affected utility companies and incorporate the collective utility company comments onto the base maps. We will identify potential utility conflicts between existing utility facilities and proposed design and coordinate with the utility company to mitigate the potential conflicts through design adjustments, to the extent possible.

Execute Utility Agreement (3060) –*To be conducted by City of Orange if needed*

Conduct Subsurface Utility Engineering (3080) - not included

If recent information is not available from City of Orange or utility companies or if a conflict is discovered, we recommend a SUE contractor be retained to locate subsurface utilities in the Final Design Phase.

Prepare Preliminary Roadway Plans (3070)

NV5 will prepare preliminary construction plans of the proposed improvements.

The preliminary roadway plans are anticipated to include the following sheets:

- Key Sheet
- Plan Sheet Index
- Construction Plans (including landscape plans)
- Signing and Striping Plans (where appropriate)
- Traffic Control and Staging Plans

* An environmental plan is not anticipated due to absence of floodplains and wetlands in project area

Prepare Preliminary Drainage Design (3085) (limited)

NV5 will review existing drainage patterns only at locations where there are potential conflicts with proposed improvements or existing drainage infrastructure. Minor modifications to existing drainage, as well as new drainage facilities (i.e. inlets upslope of curb ramps that tie into existing system) are anticipated. The existing system will not be evaluated for spread or pipe capacity.

Determine Traffic Engineering Facility Locations (3090) – ((Limited Services Anticipated / Included)

The need for Traffic Engineering services is limited as follows:

Traffic Data Collection – No new traffic counts are anticipated thus not included.

Traffic Signal Operational Analysis – No signal improvements are anticipated thus not included.

Prepare ROW Report (3110) and Initiate ROW Impact Plan (3115)

The intention is to accommodate improvements within existing City of Orange Township ROW.

Lighting Design - not included

Lighting is not proposed.

Update Preliminary Detour and Construction Staging Plans (3130)

NV5 will prepare preliminary construction staging plans that reflect Preliminary Engineering (PE) design. Lane / Shoulder area closings are anticipated to be required. We will prepare a construction sequence narrative and prepare a preliminary construction schedule.

Environmental Services

NV5 will identify environmental constraints using available existing “desktop” information.

NJDOT will provide Environmental and CED related services. However, NV5 will provide project description information to NJDOT for incorporation into the CED. Information and the following Cultural Resource assistance:

Cultural Resources)

NV5 services associated with potential cultural resource issues are limited to the following:

1. Photographic recordation of historic buildings adjacent to the sidewalks proposed for improvement;
2. Photographic recordation and analysis of segments of slate sidewalk in the areas proposed for improvement.

The following cultural resources have been identified immediately adjacent to sidewalks proposed for improvement:

- Edison Workers’ Housing Historic District (Park Avenue between Main Street and Standish Avenue, West Orange) – Identified as Potentially Eligible 2014
- Elm Street Streetscape (Elm between Park and Hillyer Streets, Orange) – SHPO Opinion 1994
- Grace Church (105 Main Street [rear on William Street], Orange) – Certification of Eligibility 2006
- Orange and Passaic Valley Railroad Office/Trolley Car Barn (350 Washington Street, Orange) – SHPO

Opinion 1995

- Orange Armory (261 William Street [on North Center Street], Orange) – SHPO Opinion 2005
- Snyder Street Streetscape (Snyder between North Center and Park Streets, Orange) – SHPO Opinion 1994
- St. John’s Roman Catholic Church Complex (Park Avenue between Chapel and High Streets, Orange) – Identified as Potentially Eligible 1993

The project area was developed during the late 19th and early 20th centuries and includes scores of additional buildings – primarily, but not limited to, dwellings – that are immediately adjacent to the sidewalks proposed for improvement. NV5’s Cultural Resource Unit will handle the photographic recordation of those buildings constructed prior to 1970 and will focus on streetscapes, with the documentation of individual buildings only where necessary due to visual limitations or for those buildings viewed to be of high potential significance. The photographic recordation of slate sidewalk segments will be handled by others, with the Cultural Resource Unit assisting in the identification of segments of significance as per their association with the built environment. Photographs will be processed and reproduced for submission to the Department, with it anticipated that the Department will then submit the photographs to the New Jersey Historic Preservation Office.

Prepare CED (3870) (NJDOT)

The CED document will include source materials necessary to complete an environmental/cultural/social resources/constraints inventory and impact assessment for the project improvements. NJDOT will submit to the Federal Highway Administration (FHWA) for approval.

It is assumed the necessary public outreach activities will be fulfilled by the Public Information Centers conducted as part of this scope of services. If additional outreach is needed, it can be conducted as an item of extra work.

CED Form Outline

All applicable sections of the CED form will be completed.

- I. General Information
- II. Project Description
 - A. Project Need
 - B. Proposed Improvements
 - C. Right-of-Way Taking
- III. Environmental Considerations
 - A. Noise
 - B. Air Quality
 - C. Potential Environmental Constraints
 - D. Anticipated Environmental Permits/Coordination
 - E. Cultural Resources
 - F. Section 4(f) Involvement
 - Section 1: Historic Sites
 - Section 2: Historic Bridges
 - Section 3: Publicly Owned Park, Recreation Area, Wildlife or Waterfowl Refuge
 - Section 4: Independent Walkway and Bikeway construction Projects
 - G. Hazardous Materials and Landfills
 - H. Socioeconomics
 - I. Environmental Justice
 - J. Public Reaction
 - K. Environmental Commitments

Prepare Construction Cost Estimate (3135)

NV5 will prepare a Construction Cost Estimate using NJDOT software and utilizing the plans developed during preliminary engineering activities.

Finalize Project Plan (3165)

NV5 will coordinate with City of Orange Township and NJDOT Local Aid and meet with respective Subject Matter Experts including E-Team representatives involved in the CED preparation (if needed) to review project plans and address comments. We have assumed one (1) meeting to finalize the project plans – effort is included as a status meeting

Hold Public Information Center (PIC) (3865)

It is assumed that the City of Orange Township will arrange the PIC location and send out notices and invitations. It is recommended that the Park Avenue school would be a good location to hold the PIC. NV5 will attend and prepare meeting materials and a meeting summary. It is assumed the format will be an open meeting format where representatives from the City of Orange Township and NV5 will be available to answer questions and take comments.

PE Status Meetings

In addition to the kickoff meeting discussed above, we anticipate up to 5 status/coordination meetings during Preliminary Design due to the number of schools involved. The following meetings are anticipated.

- Project Status Meetings (5)

NV5 will provide meeting materials and prepare meeting notes

PE Project Management, Schedule, Design Communication Report (DCR)

NV5 coordination / management services will include the coordination of design tasks, as well as with the in-house design departments; scheduling design efforts and monitoring project budgets to ensure the successful completion of scope tasks identified. Also included is the preparation of progress reports, evaluation of potential issues that could impact the project budget/schedule, review of expense charges, quality assurance and control, and review of monthly invoices.

For the duration of the project, NV5 will submit a progress report each month with the invoice. This report will include, but not be limited to the following:

- A detailed progress report of the work completed to date with the current invoice period highlighted.
- A summary of the costs incurred to date, amount remaining, and percentage complete.
- Any anticipated costs/tasks not initially included in the scope of work.
- Confirmation of upcoming submittals and any possible scheduling conflicts.
- Discussion of any impacts to project schedule

City of Orange Township SRTS 2018
Pedestrian Safety Upgrades Park Ave Elementary School
Final Design Scope of Services

Final Design (FD) Services

Utility Design Services

The project goal is to avoid utility impacts. If impacts are unavoidable, the following services can be provided as items of extra work:

- Develop Alternatives of Accommodation (4050)**
- Prepare Utility Owner Design Authorization Checklist (4055)**
- Prepare Utility Agreement Plans, Specifications and Estimates (4060)**
- Incorporate Utility Design in Contract Documents (4090)**

Prepare Jurisdictional Limit Maps and Agreements (4100) (not anticipated, not included)

Since improvements are proposed with City of Orange Township right-of-way, efforts associated with jurisdiction agreement maps is not anticipated.

Conduct Supplemental Surveys / Base Map (4215) – See AmerCom Proposal

Complete Lighting Design (4230) - not included. New lighting is not proposed.

Complete Traffic Signal, Signing and Striping Plans (4240)

NV5 will prepare traffic signing and striping plans as per the MUTCD requirements for improved crosswalks and signage.

Environmental Services

Complete Drainage Design (4270)

NV5 will complete the drainage design following the NJDOT Drainage Design Manual. Drainage information will be identified on the plan sheets, as necessary, and details prepared with specifications for non-standard items. Drainage items and quantities will be called out and the associated costs included within the project's construction cost estimate.

Complete Hydrologic and Hydraulic Analysis (4310) (no services anticipated, not included)

Delineate Wetlands (4360) (no services anticipated, not included)

Prepare Permit Applications (4385) (no services anticipated, not included)

Review and Submit Permit Application (4390) (no services anticipated, not included)

Secure Permits (4395) (no services anticipated, not included)

Prepare Soil Erosion and Sediment Control Report and Plans (4410)

Since we anticipated disturbance will exceed 5,000 square feet, soil erosion and sediment control plan certification will be required by the Hudson Essex Passaic Soil Conservation District. NV5 will prepare the soil erosion and sediment control (SESC) report, which identifies the areas requiring temporary and permanent erosion control and identifies the type of controls to be most effective. NV5 will prepare the SESC plans based on engineering/design needs, incorporating the controls and features identified in the

SESC report. We will develop associated SESC notes, sequence of construction, details and specifications. NV5 will submit the SESC Report and Plans to the City/NJDOT for review and comment.

Review Soil Erosion and Sediment Control Report and Plans (4430)

Upon revising the plans based on City/NJDOT comments, NV5 will submit the SESC Report and Plans to Hudson Essex Passaic Soil Conservation District (SCD) for review and approval. City of Orange Township is responsible for the permit application fee. NV5 will address any comments.

Complete Environmental Plans (4585) (if needed beyond above plans, can be provided as extra work)

Prepare Final Roadway Plans (4220)

NV5 will update the preliminary construction plans that were prepared in Preliminary Engineering to produce the final construction plans.

The final roadway plans are anticipated to include:

- Key Sheet
- Plan Sheet Index
- Estimate – Distribution of Quantities
- Typical Sections
- Construction Plans & Profiles
- Traffic Striping and Signing Plans
- Traffic Control and Staging Plans
- Construction Details

Develop Construction Cost Estimate (4275)

NV5 will develop the construction estimate per NJDOT latest procedures.

Develop Specifications (4280)

NV5 will develop input for the Special Provisions using guidance provided by the latest Baseline Document Changes and Standard Specifications.

Develop Construction Schedule (4285)

NV5 will develop the construction schedule

Prepare ROW Plans and Documents (4605) – no services anticipate, not required

It is assumed that all improvements will be within City of Orange Township ROW. If needed, ROW services can be provided as an item of extra work.

Prepare Final Design Submission Package (4290)

NV5 will prepare the Final Design (FD) Submission package for City of Orange Township and NJDOT review. The package will include:

- Transmittal letter indicating the distribution of all FD Submission deliverables
- Design Communications Report (DCR)
- Final Plans
- Special Provisions - show all revisions required to the current Standard Input (SI)
- Construction Cost Estimate
- Construction Schedule

Resolve Final Design Submission Comments (4830)

NV5 will update the contract documents based on the Final Design Submission (FDS) review comments.

Submit PS&E Package (4840)

NV5 will prepare and submit the Plans, Specifications and Estimate (PS&E) package.

In addition to the project plans, specifications and estimate, the PS&E package will include:

- Designer PS&E Certification
- Construction Schedule
- Design Communications Report
- Quantity Calculations and Design Calculations

FD Status Meetings / Meeting Summary

During Final Design, we anticipate a total of 4 meetings:

- Project Status Meetings (3)
- FD Phase Public Information Center (PIC) – One (1) PIC will be conducted FD. It is assumed that the City of Orange Township will arrange the meeting place and send out notices and invitations. NV5 will attend and prepare meeting materials and a meeting summary. It is assumed the format will be an open meeting format where representatives from the City of Orange Township and NV5 will be available to answer questions and take comments.

Deliverables- Meeting materials, attendance and meeting notes for above meetings

FD Project Management, Schedule, DCR's

NV5 coordination / management services will include the coordination of design tasks, as well as with the in-house design departments; scheduling design efforts and monitoring project budgets to ensure the successful completion of scope tasks identified. Also included is the preparation of progress reports, evaluation of potential issues that could impact the project budget/schedule, review of expense charges, quality assurance and control, and review of monthly invoices.

For the duration of the project, NV5 will submit a progress report each month with the invoice. This report will include, but not be limited to the following:

- A detailed progress report of the work completed to date with the current invoice period highlighted.
- A summary of the costs incurred to date, amount remaining, and percentage complete.
- Any anticipated costs/tasks not initially included in the scope of work.
- Confirmation of upcoming submittals and any possible scheduling conflicts.
- A discussion of any impacts to the project schedule

City of Orange Township SRTS 2018
Pedestrian Safety Upgrades Park Ave Elementary School
Construction Engineering Support (CE) Services

Construction Engineering Support (CE) Services

This Construction Support Services effort consists of the following tasks:

For proposal purposes, we are assuming that all Construction Engineering Efforts associated with the improvements will be “participating” efforts. If this changes during design, an update will be needed to the CE scope and estimate.

Prepare Advertising Package (5010) / Bid Support (5030)

NV5 will prepare the advertising package.

During the bid period, NV5 will review Contractor inquiries and prepare responses. All inquiries will be documented and responded to via addenda.

Pre-Construction Meeting (5080)

NV5 will attend one pre-construction meeting.

Review of Contractor Submittals (5120)

NV5 will review shop and working drawings and product submittals for general conformance with the contract documents.

Construction Support Services (5100)

Contractor shop drawings / working drawing / product submittals (limited since improvements sidewalk and curb ramps)

NV5 review of submittals.

Construction Consultation and Support

NV5 will provide consultation and recommendations in the interpretation of the contract documents and assist in developing solutions to unforeseen field conditions. For estimating purposes, we have assumed 80 hours for support services. Site meetings are considered separate and detailed below.

Meetings / Site Visits

NV5 will attend site meetings as coordinated. Six (6) total meetings are anticipated. It is noted that these meetings may involve meetings with the contractor to address site issues or with residents regarding the work on the project.

Review of Contractor’s Progress Schedules

NV5 will review the Contractor’s preliminary CPM schedule and provide our comments to the City of Orange Township. Additional submittals (2 anticipated) of the preliminary schedule will be reviewed until approval and establishment of the Baseline CPM schedule. Schedule updates (5 anticipated) will also be reviewed and comments forwarded to the City of Orange Township.

Final Review (5170)

NV5 will attend one final inspection walk-through and prepare a corrective action list of noted deficiencies.

As-Built Plan Preparation (5170)

NV5 will provide the required coordination, CADD services and reproduction services associated with the transfer of as-built information onto the plan sheet mylars.

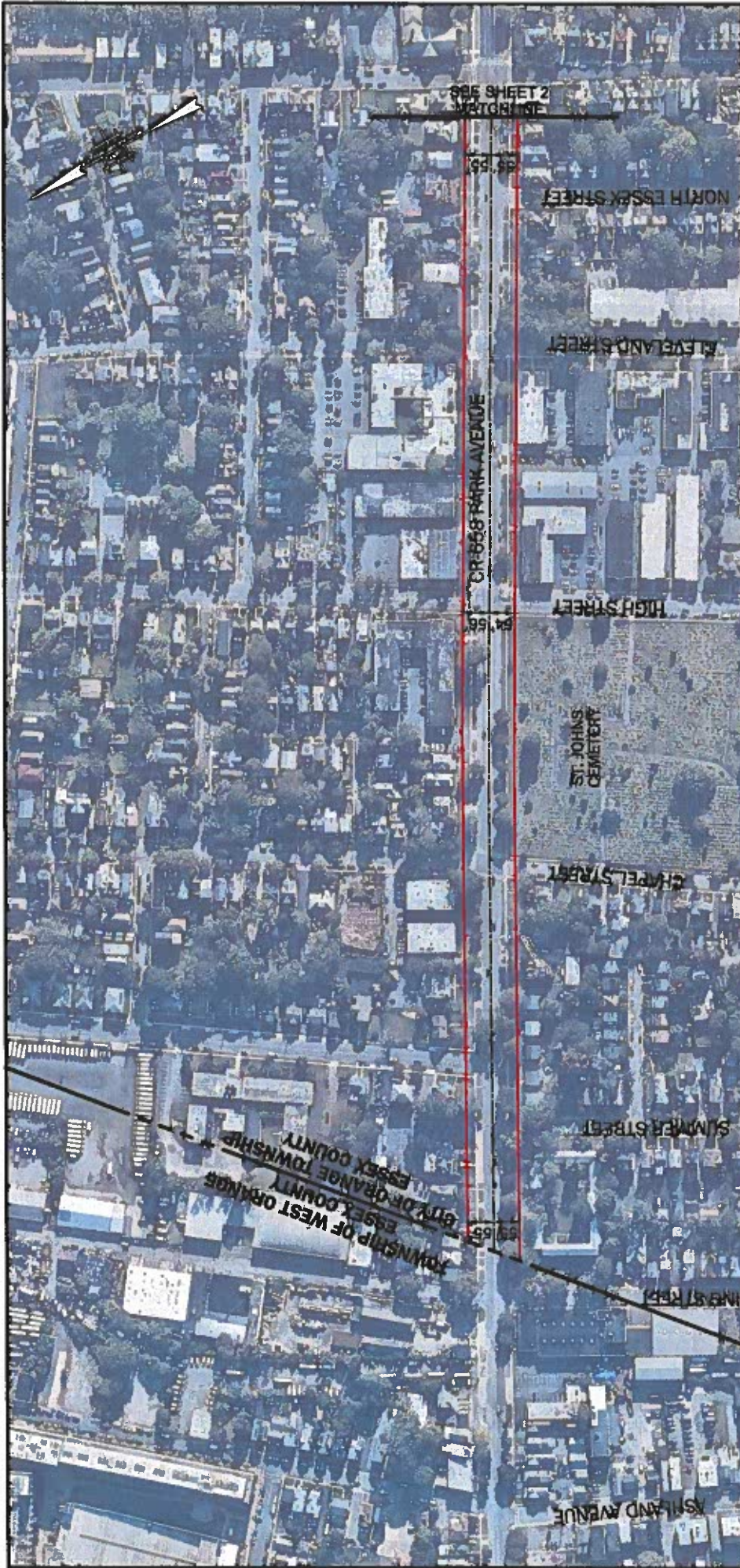
Project Coordination

Project coordination tasks will consist of the following:

- Establish and monitor project budgets.

- Prepare monthly progress reports.

- Coordinate with City of Orange Township staff to ensure timely responses to submissions and requests for information.



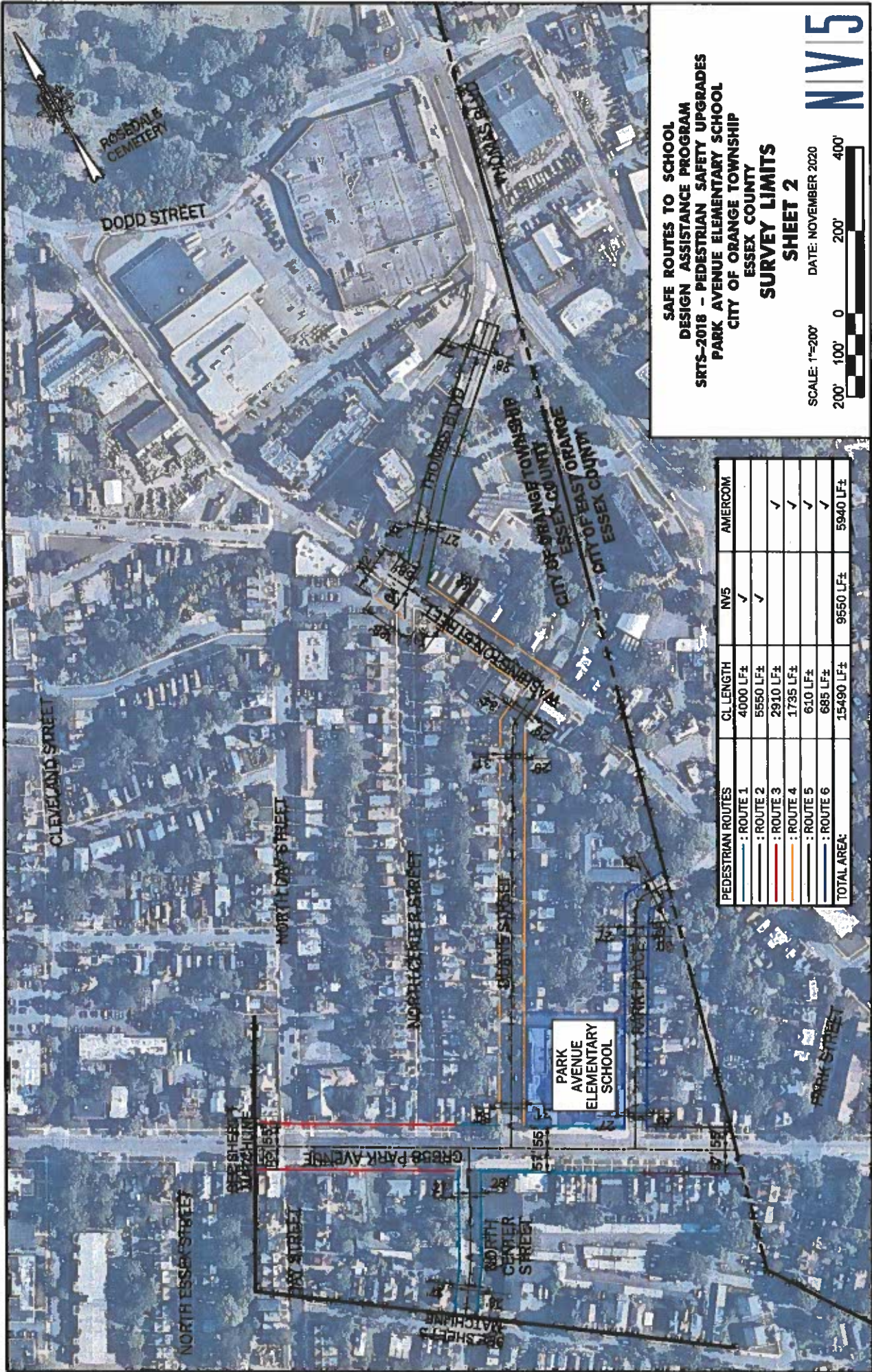
SAFE ROUTES TO SCHOOL
 DESIGN ASSISTANCE PROGRAM
 SRTS-2018 - PEDESTRIAN SAFETY UPGRADES
 PARK AVENUE ELEMENTARY SCHOOL
 CITY OF ORANGE TOWNSHIP
 ESSEX COUNTY

SURVEY LIMITS
SHEET 1

SCALE: 1"=200'
 200' 100' 0 200' 400'
 DATE: NOVEMBER 2020

NW15

PEDESTRIAN ROUTES	CL LENGTH	NW5	AMER ROOM
: ROUTE 1	4000 LF±	✓	
: ROUTE 2	5550 LF±	✓	
: ROUTE 3	2910 LF±		✓
: ROUTE 4	1735 LF±		✓
: ROUTE 5	610 LF±		✓
: ROUTE 6	685 LF±		✓
TOTAL AREA	15490 LF±	9550 LF±	5940 LF±



ROSDALE CEMETERY

DODD STREET

CLEVELAND STREET

NORTH DAVENPORT STREET

NORTH CENTER STREET

GRAND STREET

PARK AVENUE

PARK AVENUE ELEMENTARY SCHOOL

PARK PLACE

PARK STREET

CITY OF ORANGE
ESSEX COUNTY

CITY OF ORANGE TOWNSHIP
ESSEX COUNTY

SAFE ROUTES TO SCHOOL
DESIGN ASSISTANCE PROGRAM
SRTS-2018 - PEDESTRIAN SAFETY UPGRADES
PARK AVENUE ELEMENTARY SCHOOL
CITY OF ORANGE TOWNSHIP
ESSEX COUNTY

SURVEY LIMITS
SHEET 2

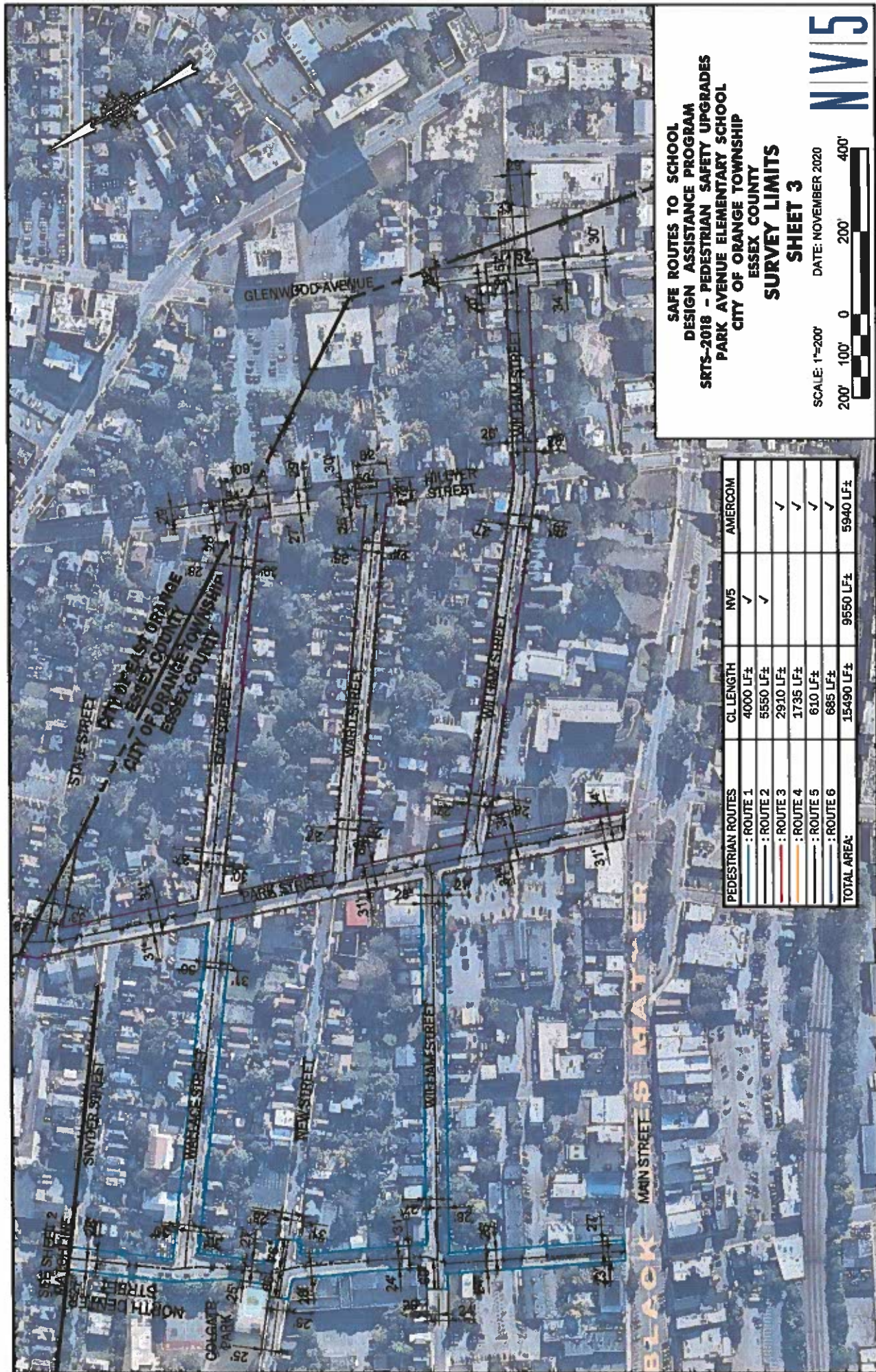
SCALE: 1"=200'

DATE: NOVEMBER 2020

200' 100' 0 200' 400'

NV5

PEDESTRIAN ROUTES	CL LENGTH	NV5	AMER ROOM
: ROUTE 1	4000 LF±	✓	
: ROUTE 2	5550 LF±	✓	
: ROUTE 3	2910 LF±		✓
: ROUTE 4	1735 LF±		✓
: ROUTE 5	610 LF±		✓
: ROUTE 6	685 LF±		✓
TOTAL AREA:	15490 LF±	9550 LF±	5940 LF±



SAFE ROUTES TO SCHOOL
 DESIGN ASSISTANCE PROGRAM
 SRTS-2018 - PEDESTRIAN SAFETY UPGRADES
 PARK AVENUE ELEMENTARY SCHOOL
 CITY OF ORANGE TOWNSHIP
 ESSEX COUNTY

SURVEY LIMITS
SHEET 3

SCALE: 1"=200'
 200' 100' 0 200' 400'
 DATE: NOVEMBER 2020



PEDESTRIAN ROUTES	CL LENGTH	NW5	AMERCOM
: ROUTE 1	4000 LF±	✓	
: ROUTE 2	5550 LF±	✓	
: ROUTE 3	2910 LF±		✓
: ROUTE 4	1735 LF±		✓
: ROUTE 5	610 LF±		✓
: ROUTE 6	685 LF±		✓
TOTAL AREA:	15490 LF±	9650 LF±	5940 LF±



AmerCom Corp.
Consulting Engineers
Corporate Headquarters:
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Parsippany, New Jersey 07054
Main Phone 973-402-6111
Fax 973-588-7020
www.amercomcorp.com

Denice daCunha, PE
Supervising Engineer
NV5, Inc.
7 Campus Drive, Suite 300
Parsippany, NJ 07054

May 3, 2021

Re: City of Orange Safe Routes to School Program
Scope of Work- Preliminary Engineering

Dear Denice:

Our scope of work detailed below will provide for Preliminary Engineering services based on conceptual designs to be advanced by NV5. Work will be completed in accordance with current NJDOT Design Phase Guidelines. AmerCom will be responsible for survey and mapping along Routes 3, 4, 5 and 6 based on the specific work activities as detailed below.

Prepare Control Survey Report (3015)

A control survey report will not be required. A local datum will be established at each of the sites.

Conduct Topographic Survey (3020)

The purpose of the survey is to capture sufficient information to allow for the design of the proposed improvements: ADA curb ramps, new curbs, sidewalks and signage. Since pavement resurfacing is not part of the project scope, survey will be limited to areas between the face of curb and assumed right of way line along tangent roadway sections. Pavement elevations will be collected at intersections to facilitate crosswalk design as necessary.

We will survey existing planimetric features within these limits that include top and bottom of curb; spot points along sidewalks and street pavements; additional points on the sidewalks; striping and crosswalk locations; visible utility mark outs and visible surface utilities. Inlet locations will be surveyed but inverts and pipe sizes will not be obtained. Entire blocks, buildings and any physical features located within the interior of the limits detailed above will not be surveyed.

Prepare Base Maps (3025)

AmerCom will process the survey data, prepare a digital terrain model and prepare the base mapping in accordance with NJDOT standards. Existing ROW will be based on tax maps and available as-built data. ROW documents are outside this scope of work.



Our cost for this work is shown on the attached hourly cost breakdown. Thank you for this opportunity and please feel free to contact me with any questions.

Very truly yours,
AmerCom Corporation

A handwritten signature in blue ink, appearing to read 'Mark V. Sheptock', is written over the company name.

Mark V. Sheptock, P.E.
Vice President

City of Orange Safe Routes to School Program
 Proposal for Preliminary Engineering
 May 3, 2021



WORK ACTIVITY	Description of Tasks	Surveyor P-IV	Engineer P-II	Jr. Engineer P-I	Princ. Tech ET-4	Total
		HRS.	HRS.	HRS.	HRS.	HRS.
3015	<i>Prepare Control Survey Report</i>					
	Establish local Control Datums	8	20	20		48
3020	<i>Conduct Topographic Survey</i>					
	Topographic/Planimetric Survey	32	72	72		176
3025	<i>Prepare Base Maps</i>					
	Prepare Base Mapping and DTM	48			72	120
	Establish ROW & Property Lines	16				16
TOTAL MAN-HOURS		104	92	92	72	360
HOURLY RATE		\$ 65.78	\$ 38.49	\$ 29.76	\$ 44.04	
SUB TOTAL COST		\$ 6,841.12	\$ 3,541.08	\$ 2,737.92	\$ 3,170.88	\$ 16,291.00

COST SUMMARY

<i>Labor</i>	
Direct Labor	\$ 16,291.00
Overhead @ 187.37%	\$ 30,524.45
Fee @ 18% of DTL	\$ 2,932.38
<i>Labor subtotal</i>	<u>\$49,747.83</u>
<i>Expenses</i>	
Postage, Reproduction & Tolls	\$ 200.00
MPT @ 1 day	\$ -
Deed Research	\$ -
<i>Expense subtotal</i>	<u>\$ 200.00</u>
TOTAL =	\$49,947.83

FIXED FEE CALCULATION

PROJECT: City of Orange Safe Routes to School Program
CONSULTANT: AmerCom Corp.
AGREEMENT OR CAM NO.: _____
PREPARED BY: Mark Sheptock
DATE: 5/3/2021

EVALUATE PROJECT SPECIFICS:

Directions:

Prime Consultant will use Total Project Design Cost (or Task Order Design Cost) for the SIZE criteria

Each Subconsultant will assign points for SIZE, COMPLEXITY, DURATION, & DEGREE OF RISK based on its specific project tasks

SPECIFICS	CRITERIA	POINTS	RATING
SIZE:	SMALL - Total Fee (Project Design Cost) < \$1,250,000	15	15
	LARGE - Total Fee (Project Design Cost) > \$1,250,000	20	
COMPLEXITY:	SIMPLE - Limited Scope of Work; Deck Patching, Resurfacing, Restoration, Inspection, Concept Development Services	10	10
	STANDARD - Moderate Scope; Rehabilitation, New, or Reconstruction	15	
	COMPLEX - Multi-disciplined, Highly Specialized, or Major Unusual	20	
DURATION:	STANDARD - Appropriate Schedule	15	15
	AGGRESSIVE - Designers Schedule Reduced > 10 %	20	
DEGREE OF RISK:	LEVEL 1 - Low Risk of Claims; Studies, Surveys, Landscape, Inspections	20	20
	LEVEL 2 - Average Risk of Claims; Standard Complexity or Level 1 with High Public Exposure	30	
	LEVEL 3 - High Risk of Claims; Hazardous, Experimental, or Bonus/Penalty Clauses	40	
TOTAL RATING =			60

CALCULATE FEE:

PROJECT SPECIFICS FACTOR (Total Rating /100) =	0.60
FEE FACTOR (Project Specifics Factor x 0.30) =	0.18
DIRECT LABOR COSTS	\$ 16,291.00
TOTAL FEE (Direct Labor Costs x Fee Factor) =	\$ 2,932

VERIFY THAT FEE FALLS WITHIN RANGE OF 6% TO 15%:

CONSULTANT'S INTERIM OVERHEAD RATE (%) =	187.37%
OVERHEAD (Labor x Overhead Rate) =	\$ 30,524.45
FIXED FEE RANGE [Fee/(Labor + Overhead)] =	6.3%



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www.amercomcorp.com

Denice daCunha, PE
Supervising Engineer
NV5, Inc.
7 Campus Drive, Suite 300
Parsippany, NJ 07054

May 3, 2021

Re: City of Orange Safe Routes to School Program
Scope of Work- Final Design

Dear Denice:

Our scope of work detailed below will provide for Final Design services. Work will be completed in accordance with current NJDOT Design Phase Guidelines. Specific work activities required are detailed below.

Conduct Supplemental Surveys (4215)

AmerCom will conduct a supplemental survey for any areas not addressed in previous surveys. Supplemental survey information obtained will be added to the base maps. A maximum of 4 crew days have been allotted for this task.

No title searches are anticipated in the course of this work. Existing ROW will be located on survey plans from information found on Tax Maps. No other ROW plans or documents are anticipated.

Our cost for this work is shown on the attached hourly cost breakdown. Thank you for this opportunity and please feel free to contact me with any questions.

Very truly yours,
AmerCom Corporation

Mark V. Sheptock, P.E.
Vice President

City of Orange Safe Routes to School Program

Proposal for Final Design

May 3, 2021



WORK ACTIVITY	Description of Tasks	Surveyor P-IV	Engineer P-II	Jr. Engineer P-I	Princ. Tech ET-4	Total
		HRS.	HRS.	HRS.	HRS.	HRS.
4215	<i>Conduct Supplemental Survey</i>					
	Topographic/Planimetric Survey	8	32	32		72
	Update Base Mapping and DTM	16			24	40
TOTAL MAN-HOURS		24	32	32	24	112
HOURLY RATE (May 2021)		\$ 65.78	\$ 38.49	\$ 29.76	\$ 44.04	
SUB TOTAL COST		\$ 1,578.72	\$ 1,231.68	\$ 952.32	\$ 1,056.96	\$ 4,819.68

COST SUMMARY

Labor

Direct Labor \$ 4,819.68
 Overhead @ 187.37% \$ 9,030.63
 Fee @ 18% of DTL \$ 867.54

Labor subtotal \$14,717.85

Expenses

Postage, Reproduction & Tolls \$ 200.00
 Title Search \$ -

Expense subtotal \$ 200.00

TOTAL = \$14,917.85

FIXED FEE CALCULATION

PROJECT: City of Orange Safe Routes to School Program
 CONSULTANT: AmerCom Corp.
 AGREEMENT OR CAM NO.

PREPARED BY: Mark Sheptock
 DATE: 5/3/2021

EVALUATE PROJECT SPECIFICS:

Directions:

Prime Consultant will use Total Project Design Cost (or Task Order Design Cost) for the SIZE criteria

Each Subconsultant will assign points for SIZE, COMPLEXITY, DURATION, & DEGREE OF RISK based on its specific project tasks.

SPECIFICS	CRITERIA	POINTS	RATING
SIZE:	SMALL - Total Fee (Project Design Cost) < \$1,250,000	15	15
	LARGE - Total Fee (Project Design Cost) > \$1,250,000	20	
COMPLEXITY:	SIMPLE - Limited Scope of Work; Deck Patching, Resurfacing, Restoration, Inspection, Concept Development Services	10	10
	STANDARD - Moderate Scope; Rehabilitation, New, or Reconstruction	15	
	COMPLEX - Multi-disciplined, Highly Specialized, or Major Unusual	20	
DURATION:	STANDARD - Appropriate Schedule	15	15
	AGGRESSIVE - Designers Schedule Reduced > 10 %	20	
DEGREE OF RISK:	LEVEL 1 - Low Risk of Claims; Studies, Surveys, Landscape, Inspections	20	20
	LEVEL 2 - Average Risk of Claims; Standard Complexity or Level 1 with High Public Exposure	30	
	LEVEL 3 - High Risk of Claims; Hazardous, Experimental, or Bonus/Penalty Clauses	40	
TOTAL RATING =			60

CALCULATE FEE:

PROJECT SPECIFICS FACTOR (Total Rating /100) =	0.60
FEE FACTOR (Project Specifics Factor x 0.30) =	0.18
DIRECT LABOR COSTS	\$ 4,819.68
TOTAL FEE (Direct Labor Costs x Fee Factor) =	\$ 868

VERIFY THAT FEE FALLS WITHIN RANGE OF 6% TO 15%:

CONSULTANT'S INTERIM OVERHEAD RATE (%) =	187.37%
OVERHEAD (Labor x Overhead Rate) =	\$ 9,030.63
FIXED FEE RANGE [Fee/(Labor + Overhead)] =	6.3%

City of Orange Township

SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School
 Proposal for Design Assistance Services
 PRELIMINARY DESIGN PHASE

May 3, 2021 - NV5 PROPOSAL

TASK	ACTIVITY NO.	PM PROJECT MANAGER / SUPERVISING ENGINEER	PE DESIGNING ENGINEER	EA-4 ENGINEER PARTY CHIEF SURVEY PM	EA-4 ENGINEER SURVEYOR PARTY CHIEF	PM SUPERVISING DIRECTOR RESOURCES/LIMIT	PM PRINC. ARCHITECT	EA-1 TRUCK CULTURAL RESOURCES	PE ENGINEER	ASSTANT ENGINEER	PE SPECIALIST	PE SPECIALIST/ OR PHOTOGRAPHER	PE SPECIALIST ENVIRONMENTAL	EA-4 AND EA-3 TWO PERSON SURVEY CREW	SRTS PRINCIPAL/ENG TECH / CAD	TOTAL HOURS
CHARLETTRELL/MARK JORDAN -																
Subarea Preliminary Engineering	3095	5	18						14	18					39	
Survey Station	3098														126	
Field Visit with City to review areas to be improved (Combined Existing Proposal Efforts)	3099	6		20	20								80	80	144	
Obtain Topographic Survey Coordinates - NV5 Services, See Assn/Cont Proposed for remaining sites	3095	4		20	40										64	
Utilities	3035														48	
Propose Utility Run Plans	3045	4							20	40					64	
Site Utility Verification Report Letter	3045								8	16					22	
Update LMS: Plans and Conditions	3045								20	40					64	
Obtain Subcontractor Utility Engineering (not anticipated / not included)	3090														64	
Prepare Preliminary Survey Plans	3078	18	24						18	36					72	
Prepare Preliminary Design Design	3085		18						18	36					72	
Transmission Traffic Engineering Facility Locations (NYS) - No same traffic counts made are anticipated / not included (see below for non-participating services)	3090														60	
Right of Way															60	
Propose ROW Report (not anticipated / not included)	3110														60	
Include ROW Report Plan (included using existing maps)	3115	1		10											11	
State ROW Eminent Domain, Prepare Initial ROW Estimates (not anticipated / not included)	3120, 3125														23	
Update Preliminary Drive and Construction Staging Plans	3130	3	18												21	
Recreational Services															56	
Prepare CSD (NDOT) Task - Only adding New Countdown Map & Section I and II of CSD Plans	3070	2							14	28					56	
Cultural Resources - Photographs Examination of Historic Buildings & Sites Inventory															82	
Prepare Construction Cost Estimate	3135	2	3												75	
Hold Public Information Open (1)	3055	14	4												68	
Finalize Project Plan	3105	18	6												76	
PE Meetings (Items 5-1)		24	25						4	8					54	
PE Project Management, Submittals, DCRs		24	3												27	
		29	71	60	60	38			41	74	48		88	108	143	
PE Direct Labor		382.56	348.36	259.09	245.18	273.00	263.07	263.07	248.45	211.28	213.64	213.64	263.13	256.46	1643	
PE Phase 7 total		\$1,475.84	\$9,483.12	\$2,254.49	\$2,289.60	\$1,476.80	\$1,116.16	\$1,116.16	\$2,878.45	\$1,754.12	\$1,887.48	\$6,189.80	\$6,098.48	\$2,696.48	\$75,027.15	

City of Orange Township
 Proposal for Design Assistance Services
 SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School
 PRELIMINARY DESIGN PHASE

**May 3, 2021 - NVS PROPOSAL
 NON-PARTICIPATING SERVICES**

TAKE	ACTIVITY NO.	PE	PROJECT MANAGER/ SUPERVISING ENGINEER	PE	SUPERVISING ENGINEER	SE-4	ENGINEER PARTY CHIEF SURVEY PM	SE-4	ENGINEER SURVEYOR PARTY CHIEF	PE	SUPERVISING ENV SPECIALIST / DIRECTOR CULTURAL RESPONSE UNIT	PE	PLANNING ARCHITECTOLOGIST	ET-3	TRUCK TRAILER CULTURAL RESPONSE	PE	SENIOR ENGINEER	PE	ASSISTANT ENGINEER	PE	SUPERVISING ENV SPECIALIST	PE	ENV SPECIALIST/ PHOTOGRAPHER	PE	ENV SPECIALIST OR PHOTOGRAPHER	PE	ENV SPECIALIST OR PHOTOGRAPHER	PE-4 AND PE-3	ENV SPECIALIST SURVEY CREW	ETS	PRINCIPAL ENV TECH / CAD	TOTAL HOURS						
IP AND WHERE DIRECTED SERVICES																																						
CHARLES PRELIMINARY DESIGN -																																						
<i>Items Anticipated</i>																																						

City of Orange Township
SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School

Proposal for Design Assistance Services
May 3, 2021 - NV5 PROPOSAL

Direct Expense Summary

	Direct Expenses	Direct Expenses (Non-Participating)	Direct Expenses If and Where Directed
Mileage (Personal Vehicles)	\$ 500.00	\$ -	
Reproduction Services (Color Plots, Copies, Mylars, presentation boards, etc)	\$ 1,200.00	\$ -	\$ -
Permit Fees: NA (Permits submitted under FD)	not included		
NHP database Search			
Photographs & Reproduction	\$ 400.00		
EDR database search			
Local filing/NJDEP fees			
<u>Miscellaneous</u>			
Express Mail	\$ 50.00	\$ -	\$ -
Assume and PIC mailing invitations from City of Orange	not included	not included	not included
Total	\$ 2,150.00	\$ -	\$ -

City of Orange Township
SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School

Proposal for Design Assistance Services
May 3, 2021 - NV5 PROPOSAL

Fee Summary

	Design Services	Design Services (Non-Participating)	If and Where Directed Services	Totals
NV5 Salaries.....	\$ 75,627.15	\$ 0.00	\$ 0.00	\$ 75,627.15
Overhead @ 151.21%	\$ 114,355.81	\$ -	\$ -	\$ 114,355.81
FCCM (Facilities Capitol Cost of Money) @ 0.53%	\$ 400.82	\$ -	\$ -	\$ 400.82
total overhead (151.74%) = interim+FCCM	\$ 114,756.63	\$ -	\$ -	\$ 114,756.63
Fixed Fee (Fee Factor =0.195).....	\$ 14,747.29	\$ -	\$ -	\$ 14,747.29
Fee Factor Calculation: Size = small project = 15, Complexity = standard = 15, Duration = standard = 15, Risk level = Level 1 = 20				\$ -
(15+15+15+20) = 65, 65/100 = 0.65*30 = 19.5% of direct labor				\$ -
	\$ 205,131.07	\$ -	\$ -	\$ 205,131.07
Direct Expenses.....	\$ 2,150.00	\$ -	\$ -	\$ 2,150.00
<u>NV5 Fee</u>	\$ 207,281.07	\$ -	\$ -	\$ 207,281.07
				\$ -
<u>Subconsultants:</u>				\$ -
AmerCom	\$ 49,947.83	\$ -	\$ -	\$ 49,947.83
<u>Total Subconsultant Fee</u>	\$ 49,947.83	\$ -	\$ -	\$ 49,947.83
Total Fee - PE Services	\$ 257,228.90	\$ -	\$ -	\$ 257,228.90

City of Orange Township

SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School

Proposal for Design Assistance Services
FINAL DESIGN PHASE

May 3, 2021 - NVS PROPOSAL

ACTIVITY NO.	PROJECT MANAGER / SUPERVISING ENGINEER	PE SUPERVISING ENGINEER	ET-4 SENIOR SURVEYOR / PARTY CHIEF	PE SUPERVISING ENVIRONMENTAL ENGINEER / CULTURAL RESOURCES UNIT	PE PRINCIPAL ARCHITECT	ET-4 TRAFFIC CULTURAL RESOURCES	PE SENIOR ENGINEER	P2 ASSISTANT ENGINEER	P6 SUPERVISING ENVIRONMENTAL ENGINEER	P6 SUPERVISING ENVIRONMENTAL ENGINEER	P7 SENIOR ENVIRONMENTAL SPECIALIST	P7 ENVIRONMENTAL SPECIALIST	P3 AND ET-3 SURVEY CREW	ETS PRINCIPAL TRUCK / CARRIER	TOTAL HOURS
PHASE II - FINAL DESIGN -															
	Utility Design Review - (Not included, if needed, cities work)														
4180	Project Mechanical (Line Map) (see Agreement) - County Coordination	4	10				12								0
4115	Coordinate Supplemental Reports / Run Map (Coordination with Auer/Chen)	4					18								14
4540	Complete Traffic Signal, Signal and Stop Sign Plan	4	18				26								58
4378	Complete Drainage Design	4	5				28	20							65
Environmental Review															
4310	Complete Hydrologic & Hydraulic Analysis (not included)														Not Included
4385	Project Permit Applications (not included)														Not Included
4390	Review and Submit Permit Applications (not included)														Not Included
4395	Review Permit (not included)														Not Included
4410	Project Ball Evidence and Incident Control Report and Plans		5				15	25							Not Included
4450	Review Ball Evidence and Evidence Control Reports and Plans						3								Not Included
4550	Develop County Emergency Response Measures (not included, DOT Work 2 included)														Not Included
4555	Complete Environmental Plans (not included)														Not Included
4220	Project Final Easement Plan	24	24				145	128							Not Included
4275	Develop Construction Cost Estimate		10				28	20							313
4280	Develop Specifications		11				28	20							35
4285	Develop Construction Schedule		4				6	6							10
4465	Project SFPV Plan and Design (Not anticipated / included)														Not Included
4290	Project Final Design Submission Package	3	24				48	18							Not Included
4295	Review Final Design Submission Package	4	10				24	24							Not Included
4300	Review P&BE Package		10				20	20							Not Included
4400	Public Information Center (City P&B)		4				20	20							Not Included
4410	Public Meetings with City & NUDOT (Annex 3 Below)		21				21	21							Not Included
4420	FD Status Meetings with City & NUDOT (Annex 3 Below)		3				3	3							Not Included
4430	FD Project Management, Schedule, DCRs		8				8	8							Not Included
4440	FD Work-Hour Totals	308.74	148	0	0	0	462	223	5	5	0	0	0	10	845
4450	FD Work-Hour Totals	308.74	800.74	81.70	84.82	523.18	524.47	524.44	527.29	527.29	527.29	527.29	527.29	527.29	588.00
May 2021 Wage Rate assumed 2% to anticipated 2022 rate															
FD Phase Totals															
		218,044.56	254,328.56	28,800	28,800	28,800	543,394.46	278,844.56	288,445	288,445	28,800	28,800	28,800	527,290	588,000.00

NON-PARTICIPATING SERVICES

ACTIVITY NO.	PROJECT MANAGER / SUPERVISING ENGINEER	PE SUPERVISING ENGINEER	ET-4 SENIOR SURVEYOR / PARTY CHIEF	PE SUPERVISING ENVIRONMENTAL ENGINEER / CULTURAL RESOURCES UNIT	PE PRINCIPAL ARCHITECT	ET-4 TRAFFIC CULTURAL RESOURCES	PE SENIOR ENGINEER	P2 ASSISTANT ENGINEER	P6 SUPERVISING ENVIRONMENTAL ENGINEER	P6 SUPERVISING ENVIRONMENTAL ENGINEER	P7 SENIOR ENVIRONMENTAL SPECIALIST	P7 ENVIRONMENTAL SPECIALIST	P3 AND ET-3 SURVEY CREW	ETS PRINCIPAL TRUCK / CARRIER	TOTAL HOURS
PHASE I.C. FINAL DESIGN -															
	None anticipated														
	PE Work-Hour Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	New 2019 Wage Rate assumed 2% to anticipated 2020 1st quarter rate														
	PE Work-Hour Totals	208.74	800.74	81.70	84.82	523.18	524.47	524.44	527.29	527.29	527.29	527.29	527.29	527.29	588.00
FD Phase Totals															
		208.74	800.74	81.70	84.82	523.18	524.47	524.44	527.29	527.29	527.29	527.29	527.29	527.29	588.00

City of Orange Township
SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School

Proposal for Design Assistance Services
May 3, 2021 - NV5 PROPOSAL

Direct Expense Summary

Mileage (Personal Vehicles)	\$	200.00
Reproduction Services (Color Plots, Copies, Mylars, presentation boards, etc.)	\$	2,100.00
Permit Fees: Not anticipated. Assume covered by others		not included
Certified mailings for permit Public Notification	\$	200.00
<i><u>Miscellaneous</u></i>		
Express Mail	\$	50.00
Assume PIC mailing invitations from City of Orange Township		not included
<u>Total</u>		<u>\$ 2,550.00</u>

City of Orange Township
SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School

Proposal for Design Assistance Services
May 3, 2021 - NV5 PROPOSAL

Fee Summary

	Design Services	Design Services (Non-Participating)	If & Where Directed	Design Services Total
NV5 Salaries.....	\$56,039.00	\$0.00	\$0.00	\$56,039.00
Overhead @ 151.21%	\$ 84,736.57	\$ -	\$ -	\$84,736.57
FCCM (Facilities Capitol Cost of Money) @ 0.53%	\$ 297.01	\$ -	\$ -	\$297.01
total overhead (151.74%) = interim+FCCM	\$ 85,033.58	\$ -	\$ -	\$85,033.58
Fixed Fee (Fee Factor =0.195).....	\$ 10,927.61	\$ -	\$ -	\$10,927.61
Fee Factor Calculation: Size = small project = 15, Complexity = standard = 15, Duration = standard = 15, Risk level = Level 1 = 20 (15+15+15+20) = 65, 65/100 = 0.65*30 = 19.5% of direct labor	\$ 152,000.19	\$ -	\$ -	\$ 152,000.19
Direct Expenses.....	\$ 2,550.00	\$ -	\$ -	\$ 2,550.00
NV5 Fee	\$ 154,550.19	\$ -	\$ -	\$ 154,550.19
<u>Subconsultants:</u>				
AmerCom	\$ 14,917.85	\$ -	\$ -	\$ 14,917.85
Total Subconsultant Fee	\$ 14,917.85	\$ -	\$ -	\$ 14,917.85
Total Fee - FD Services	\$ 169,468.04	\$ -	\$ -	\$ 169,468.04

City of Orange Township

SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School

Proposal for Design Assistance Services

CONSTRUCTION ENGINEERING PHASE

May 3, 2021 - NV5 PROPOSAL

TASK	ACTIVITY NO.	P6 PROJECT MANAGER / SUPERVISING ENGINEER	P6 SUPERVISING ENGINEER	KT-4 SENIOR PARTY CHIEF SURVEY	P6 SUPERVISING ENVY SPECIALIST / DIRECTOR CULTURAL RESOURCES UNIT	P3 PRINC. ARCHAEOLOGIST	KT-1 TECH CULTURAL RESOURCES	P4 SENIOR ENGINEER	P3 ASSISTANT ENGINEER	P6 SUPERVISING ENVY SPECIALIST	RT5 PRINCIPAL ENG TRCE / CAD	TOTAL HOURS
PHASE III - CONSTRUCTION ENGINEERING SUPPORT SERVICES												
Prepare Advertising Package / BM Support	5010, 5030	12	8					40				60
Pre-Construction Meeting	5080	10						8				18
Construction Support Services	5100											
• Contractor shop drawings / working drawings / product submittals		4	10					38				52
• Construction Consultation and Support		10	20					30				60
• Meetings / Site Visits (numerous corridors - assume 8 meetings or visits)		48	24					50				122
• Contractor's preliminary CPM schedule review / updates		4						10				14
Final Inspection	5170	1	20					40				61
As-Built Plan Preparation	5170	1						30	10			41
Project Coordination (Establish and monitor budgets, monthly progress reports, coordination)		40						20				60
CE Work-Hour Totals												
May 2021 Wage Rate escalated 3 %												
CE Direct Labor (Salary)												
		139	82					266	10			488
		\$91.63	\$91.63	\$44.45	\$76.12	\$31.66	\$25.21	\$50.93	\$32.32	\$38.26	\$38.15	\$33,296.14
CE Phase Totals		\$11,911.90	\$7,511.66	\$44.45	\$76.12	\$31.66	\$25.21	\$50.93	\$32.32	\$38.26	\$38.15	\$33,296.14

**City of Orange Township
SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School**

**Proposal for Design Assistance Services
May 3, 2021 - NV5 PROPOSAL**

Direct Expense Summary

Mileage (Personal Vehicles)	\$	350.00
Reproduction Services (Color Plots, Copies, Mylars, presentation boards, etc.)	\$	750.00
Permit Fees: Not anticipated. Assume covered by others		not included
 <i>Miscellaneous</i>		
Express Mail	\$	100.00

Total \$ 1,200.00

City of Orange Township
SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School

Proposal for Design Assistance Services
May 3, 2021 - NV5 PROPOSAL
CONSTRUCTION ENGINEERING PHASE
Fee Summary

		Design Services
NV5 Salaries.....	\$	33,296.14
Overhead @ 151.21%	\$	50,347.09
FCCM (Facilities Capital Cost of Money) @ 0.53%	\$	176.47
total overhead (151.74%) = interim+FCCM	\$	50,523.56
Fixed Fee (Fee Factor =0.195).....	\$	6,492.75
Fee Factor Calculation: Size = small project = 15, Complexity = standard = 15, Duration = standard = 15, Risk level = Level 1 = 20 $(15+15+15+20) = 65, 65/100 = 0.65*30 = 19.5\%$ of direct labor		
	\$	90,312.45
Direct Expenses.....	\$	1,200.00
	<u>NV5 Fee</u>	<u>\$ 91,512.45</u>
<u>Subconsultants:</u>		
none	\$	-
	<u>Total Subconsultant Fee</u>	<u>\$ -</u>
Total Fee - CE Services	\$	91,512.45

City of Orange Township

SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School
 Proposal for Design Assistance Services

May 3, 2021 - NV5 PROPOSAL

[Fee Summary - All Phases](#)

December 2023 - See Last Page of This Request for Breakdown of Contract Extension Funds based upon Original proposal, Zero Cost Modification and services compensated to date as documented

	NV5 Salaries	Overhead	FCCM	Fixed Fee	Direct Expenses	Subconsultant Expenses (AmerCom)	Totals
Preliminary Design							
Preliminary Design Non-Participating Services	\$ 75,627.15	\$ 114,355.81	\$ 400.82	\$ 14,747.29	\$ 2,150.00	\$ 49,947.83	\$ 267,228.90
Preliminary Design - If & Where Directed Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Preliminary Design	\$ 75,627.15	\$ 114,355.81	\$ 400.82	\$ 14,747.29	\$ 2,150.00	\$ 49,947.83	\$ 267,228.90
Final Design							
Final Design Non-Participating Services	\$ 56,039.00	\$ 84,736.57	\$ 297.01	\$ 10,927.61	\$ 2,550.00	\$ 14,917.85	\$ 169,468.04
Final Design - If & Where Directed Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Final Design	\$ 56,039.00	\$ 84,736.57	\$ 297.01	\$ 10,927.61	\$ 2,550.00	\$ 14,917.85	\$ 169,468.04
Construction Engineering							
Construction Engineering - Non-Participating Services	\$ 33,296.14	\$ 50,347.09	\$ 176.47	\$ 6,492.75	\$ 1,200.00	\$ -	\$ 91,512.45
Construction Engineering - If & Where Directed Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Construction Engineering	\$ 33,296.14	\$ 50,347.09	\$ 176.47	\$ 6,492.75	\$ 1,200.00	\$ -	\$ 91,512.45
Totals	\$ 164,962.29	\$ 249,439.47	\$ 874.30	\$ 32,167.65	\$ 5,900.00	\$ 64,865.68	\$ 518,209.39

Project Grand Total \$ 518,209.39

December 2023 - See Last Page of This Request for Breakdown of Contract Extension Funds based upon Original proposal, Zero Cost Modification and services compensated to date as documented in invoices 1 - 3.



Marty Mayes
Director Department of Public Works
City of Orange Township
City Hall
29 North Day Street
Orange, New Jersey 07050

July 3, 2023

Re: City of Orange Township SRTS 2018
Pedestrian Safety Upgrades Park Ave Elementary School
Design Assistance
City of Orange Township, Essex County
PE Phase Zero Cost Modification Request

Dear Mr. Mayes:

For concurrent consideration by the City of Orange Township and NJDOT, NV5 is requesting a Preliminary Engineering (PE) Zero Cost Contract Modification to include Traffic Engineering services under Bright View Engineering (BVE) since the project's assigned Traffic Engineering Team Leader, Joseph Fishinger PE, PTOE, is now working for BVE. In an effort to maintain project continuity on this project, we are proposing to continue Mr. Fishinger's involvement and interaction with NV5's staff.

Please see attached BVE proposal and our Zero Cost Modification request summary related to these services.

Upon acceptance, we will update future invoicing with updated contract ceilings.

Please let me know if you have any questions.

Very truly yours,

A handwritten signature in cursive script that reads "Denice daCunha".

Denice daCunha P.E.
Project Manager

cc: NJDOT: Julie Seaman, Osbel Dorvil, Baher Girgis
City of Orange: Christopher Mobley
NV5: Drew Markewicz
BVE: Joseph Fishinger

**City of Orange Township
SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School**

PE Design Services

Zero Cost Modification Request to add Bright View Engineering as a SubConsultant to NV6

July 3, 2023

December 2023 - See Last Page of This Request for Breakdown of Contract Extension Funds based upon Original proposal, Zero Cost Modification and services compensated to date as documented in invoices 1 - 3.

	Zero Cost Modification		
	Original Contract Ceiling	Zero Cost Mod Transfer from NV5	Zero Cost Mod Transfer to BVE
NV5 Salaries	\$ 75,627.15	\$ (6,468.47)	
BVE Salaries			\$ 6,393.00
NV5 O/H @ 151.74 %	\$ 114,756.63	\$ (9,815.27)	
BVE O/H @ 154.16 %			\$ 9,855.45
NV5 Fixed Fee	\$ 14,747.29	\$ (1,261.35)	
BVE Fixed Fee			\$ 1,246.64
NV5 Expenses	\$ 2,150.00		
BVE Expenses			\$ 50.00
AmerCam	\$ 49,947.83		
TOTAL	\$ 257,228.90	\$ (17,545.09)	\$ 17,545.09
			\$ 257,228.90
			\$ 69,158.68
			\$ 6,393.00
			\$ 104,941.36
			\$ 9,855.45
			\$ 13,485.94
			\$ 1,246.64
			\$ 2,150.00
			\$ 50.00
			\$ 49,947.83
			\$ 257,228.90

Resultant PE Phase Ceilings



Bright View Engineering
Moving you forward

Updated June 12, 2023

VIA E-MAIL
Denice.daCunha@NV5.com

Denice daCunha, PE
Supervising Engineer
NV5, Inc.
800 Lanidex Plaza, Suite 300
Parsippany, New Jersey 07054
973-946-5624

**Re: City of Orange Township SRTS 2018
Pedestrian Safety Upgrades Park Avenue Elementary School
Design Assistance
City of Orange Township, Essex County New Jersey
Proposal for Preliminary Engineering Design Services
Project No.: 225422**

Dear Ms. daCunha:

As requested, Bright View Engineering (BVE) has prepared the following scope and fee proposal associated with providing traffic engineering related services associated with the City of Orange Township's 2018 Safe Routes to School grant from the New Jersey Department of Transportation. BVE is well acquainted with the City of Orange Township and its staff and has performed numerous design and construction inspection projects for the City in the past. Mr. Joseph A. Fishinger Jr, PE, PP, PTOE; Director of Traffic Engineering for BVE will serve as your primary point of contact for this project. As you are aware, Mr. Fishinger is intimately familiar with the scope of this project, having assisted with the preparation of the original design proposal while employed with NV5.

Consistent with discussions between Mr. Fishinger and your office, BVE proposes to provide the following design services as part of the Preliminary Engineering efforts for this project. For consistency, we have maintained the same NJDOT activity numbering from NV5's original Preliminary Engineering proposal.

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



#3005 Initiate Preliminary Engineering

BVE will attend the kickoff meeting with representatives from the City of Orange Township, NJDOT Local Aid, and NV5. We anticipate one individual from BVE will attend the meeting.

#3070 Prepare Preliminary Roadway Plans

Upon receipt of preliminary improvement plans from NV5, BVE will prepare Signing and Striping Plans where appropriate as well as Traffic Control and Staging Plans for the project. Plans will be prepared using base mapping provided by NV5 and will be consistent with the 2009 MUTCD and other applicable State, County and City standards. The design will be provided back to NV5 in Microstation format consistent with NV5 CADD standards for inclusion in the project.

#3130 Update Preliminary Detour and Construction Staging Plans

BVE will prepare preliminary construction staging plans that reflect the Preliminary Engineering design. This will likely include lane and shoulder closings. BVE will also prepare a construction sequence narrative and prepare a preliminary construction schedule for the project.

#3135 Prepare Construction Cost Estimate

BVE will assist NV5 with the construction cost estimate by providing quantities for signing and striping and traffic control items and reviewing estimated costs for such items.

#3865 Hold Public Information Center (PIC)

BVE will assist NV5 with the preparation of materials for the PIC and a representative of BVE will be present at the PIC to assist with the presentation and answer traffic engineering questions related to the project.

PE Status Meetings

BVE attend up to 5 PE status meetings through the course of the project.

PE Project Management, Schedules, DCRs

BVE will assist NV5 with scheduling and DCR related tasks as appropriate throughout the project.



Cost and Schedule

A detailed cost estimate illustrating the hours and staff to be utilized on the project is attached for your review and action. Based on the information contained herewith, the total fee for the above detailed scope is \$17,545.09, which includes direct labor, overhead, fixed fee and expenses for the project.

BVE is prepared to begin work upon execution of a sub-consultant agreement for the project and formal notice to proceed.

Thank you for the opportunity to assist NV5 with this important project for the City of Orange Township. If you have any questions, please feel free to contact Mr. Joseph Fishinger directly at 908-421-4674 or via email at JFishinger@BVEngr.com.

Very truly yours,
Bright View Engineering, LLC

John J. Jahr, P.E., TSOS
Principal

Attachment

Cc: J. Fishinger (w/attach)

<https://bvengr.sharepoint.com/sites/bvengr/proj/225422-NV5-OrangeSRTS/1-Proposals/OrangeSRTS-BVEScope6-12-23.docx>

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

City of Orange Township

SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School

Proposal for Design Assistance Services

PRELIMINARY DESIGN PHASE

June 12, 2023 - Bright View Engineering PROPOSAL

TASK	ACTIVITY NO.	P6 PROJECT MANAGER/ SUPERVISING ENGINEER	P4 SENIOR ENGINEER	P3 ASSISTANT ENGINEER	TOTAL HOURS
PHASE I - PRELIMINARY DESIGN -					
Initiate Preliminary Engineering	3005	4			4
Prepare Preliminary Roadway Plans	3070	3	16	16	35
Update Preliminary Detour and Construction Staging Plans	3130	2	16		18
Prepare Construction Cost Estimate	3135			3	3
Hold Public Information Center (1)	3865	4	4		8
Finalize Project Plans	3165	6			6
PE Meetings (Assume 4)	~	20			20
PE Project Management, Schedules, DCRs	~	5			5
PE Work-Hour Totals		44	36	19	99
May 2022 Wage Rates		\$85.00	\$51.00	\$43.00	
PE Phase Totals		\$3,740.00	\$1,836.00	\$817.00	\$6,393.00
		PE Direct Labor (Salary)			

City of Orange Township

SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School

Proposal for Design Assistance Services

PRELIMINARY DESIGN PHASE

June 12, 2023 - Bright View Engineering PROPOSAL

NON-PARTICIPATING SERVICES

TASK	ACTIVITY NO.	P6 PROJECT MANAGER / SUPERVISING ENGINEER	P4 SENIOR ENGINEER	P3 ASSISTANT ENGINEER	TOTAL HOURS
PHASE I - PRELIMINARY DESIGN -					
None Anticipated					
PE Work-Hour Totals					
May 2022 Wage Rates					
PE Direct Labor (Salary)					
PE Phase Totals					
		\$85.00	\$51.00	\$43.00	

IF AND WHERE DIRECTED SERVICES

TASK	ACTIVITY NO.	P6 PROJECT MANAGER / SUPERVISING ENGINEER	P4 SENIOR ENGINEER	P3 ASSISTANT ENGINEER	TOTAL HOURS
PHASE I - PRELIMINARY DESIGN -					
None Anticipated					
PE Work-Hour Totals					
May 2022 Wage Rates					
PE Direct Labor (Salary)					
PE Phase Totals					
		\$85.00	\$51.00	\$43.00	

City of Orange Township
SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School

Proposal for Design Assistance Services
 June 12, 2023 - Bright View Engineering PROPOSAL

Direct Expense Summary

	Direct Expenses	Direct Expenses (Non-Participating)	Direct Expenses If and Where Directed
Mileage (Personal Vehicles)	\$ 50.00	\$ -	
Reproduction Services (Color Plots, Copies, Mylars, presentation boards, etc)	\$ -	\$ -	\$ -
Permit Fees: NA (Permits submitted under FD)	not included		
NHP database Search			
Photographs & Reproduction	\$ -		
EDR database search			
Local filing/NJDEP fees			
<i><u>Miscellaneous</u></i>			
Express Mail	\$ -	\$ -	\$ -
Assume and PIC mailing invitations from City of Orange	not included	not included	not included
<i>Total</i>	<i>\$ 50.00</i>	<i>\$ -</i>	<i>\$ -</i>

City of Orange Township
SRTS 2018 - Pedestrian Safety Upgrades Park Ave Elementary School

Proposal for Design Assistance Services
June 12, 2023 - Bright View Engineering PROPOSAL

Fee Summary

	Design Services	Design Services (Non-Participating)	If and Where Directed Services	Totals
Bright View Engineering Salaries.....	\$ 6,393.00	\$0.00	\$0.00	\$ 6,393.00
Overhead @ 154.16%.....	\$ 9,855.45	\$ -	\$ -	\$ 9,855.45
FCCM (Facilities Capital Cost of Money) @ 0.00%.....	\$ -	\$ -	\$ -	\$ -
total overhead (154.16%) = interim+FCCM	\$ 9,855.45	\$ -	\$ -	\$ 9,855.45
Fixed Fee (Fee Factor =0.195).....	\$ 1,246.64	\$ -	\$ -	\$ 1,246.64
Fee Factor Calculation: Size = small project = 15, Complexity = standard = 15, Duration = standard = 15, Risk level = Level 1 = 20 (15+15+15+20) = 65, 65/100 = 0.65*30 = 19.5% of direct labor				\$ -
	\$ 17,495.09	\$ -	\$ -	\$ 17,495.09
Direct Expenses.....	\$ 50.00	\$ -	\$ -	\$ 50.00
<u>Bright View Engineering Fee</u>	\$ 17,545.09	\$ -	\$ -	\$ 17,545.09
<u>Subconsultants:</u>				\$ -
		\$ -	\$ -	\$ -
<u>Total Subconsultant Fee</u>	\$ -	\$ -	\$ -	\$ -
Total Fee - PE Services	\$ 17,545.09	\$ -	\$ -	\$ 17,545.09

December 2023**Proposal to Extend Preliminary Engineering (PE) Contract**

This proposal serves as an extension of our current services being conducted for Safe Routes to School (SRTS) improvements associated with the City of Orange's 2018 SRTS grant for pedestrian safety related improvements in the vicinity of the Park Avenue Elementary School. This proposal extension is associated with the following:

- Original approved proposal dated May 3, 2021
- Zero Cost Modification Request dated July 3, 2023

The City has compensated NV5 only through Invoice #3 dated May 26, 2023 to the period of services ending April 29, 2023 in the amount of \$151,288.83. As a result, this proposal is associated with the balance of remaining funds to complete PE Design totaling \$105,940.07 as summarized below:

	Project Ceiling	Paid through Invoice 3	Remaining to be applied to December 2023 Contract Extension Proposal
NV5 Salaries	\$ 69,158.68	\$ 37,549.18	\$ 31,609.50
NV5 O/H	\$ 104,941.36	\$ 56,977.12	\$ 47,964.24
NV5 Fixed Fee	\$ 13,485.94	\$ 7,322.08	\$ 6,163.86
NV5 Expenses	\$ 2,150.00	\$ 1.96	\$ 2,148.04
Bright View Eng	\$ 17,545.09	\$ -	\$ 17,545.09
AmerCom (ESBE)	\$ 49,947.83	\$ 49,438.49	\$ 509.34
TOTAL	\$ 257,228.90	\$ 151,288.83	\$ 105,940.07