

TOWN COUNCIL
Town of Trumbull
CONNECTICUT
www.trumbull-ct.gov

TOWN HALL
Trumbull

TELEPHONE
(203) 452-5000



AGENDA No. 811

- I CALL TO ORDER
- II MOMENT OF SILENCE
- III PLEDGE OF ALLEGIANCE
- IV ROLL CALL
- V PUBLIC COMMENT
- VI NEW BUSINESS

DATE: May 18, 2020
TIME: 7:30 p.m.
PLACE: Via Videoconference

NOTICE is hereby given that the Town Council of the Town of Trumbull, Connecticut will hold a special meeting on May 18, 2020 at 7:30 p.m. via videoconference.

The above meeting will be conducted remotely. In person public attendance is not permitted. The public can access the meeting remotely on ZOOM Videoconference by accessing the URL or phone number below, and entering the specified Meeting ID and Password:

Town Council Special Meeting

Monday, May 18, 2020 at 7:30 PM

Join the meeting online:

<https://zoom.us/j/92545370500?pwd=SWM1UGJVOXgvZkluTUFOUmVXdG9EUT09>

Webinar ID: 925 4537 0500

Password: 193793

Join by telephone: (929) 205-6099/ Webinar ID: 925 4537 0500

The agenda of the meeting, material for which it is known will be submitted to the Council in connection with the meeting, and for the agenda items for the Council meeting are, or will be, posted on the Town's website www.trumbull-ct.gov and will be available for viewing during and after the meeting

The meeting will be for the following purpose:

1. RESOLUTION TC28-73: To consider and act upon a resolution entitled “RESOLUTION APPROPRIATING \$1,202,000 FOR THE TRUMBULL BOARD OF EDUCATION CAPITAL IMPROVEMENT PLAN 2020-2021 AND AUTHORIZING THE ISSUE OF \$1,202,000 BONDS OF THE TOWN TO MEET SAID APPROPRIATION AND PENDING THE ISSUANCE THEREOF THE MAKING OF TEMPORARY BORROWINGS FOR SUCH PURPOSE”

2. RESOLUTION TC28-74: To consider and act upon a resolution entitled “RESOLUTION APPROPRIATING \$7,632,000 FOR THE TRUMBULL (TOWN) CAPITAL IMPROVEMENT PLAN 2020-2021 AND AUTHORIZING THE ISSUE OF \$7,632,000 BONDS OF THE TOWN TO MEET SAID APPROPRIATION AND PENDING THE ISSUANCE THEREOF THE MAKING OF TEMPORARY BORROWINGS FOR SUCH PURPOSE.”

VII ADJOURNMENT

COPY OF THE RESOLUTION ATTACHED HERETO

Mary Beth Thornton, Chairman

Trumbull Town Council

RESOLUTIONS

1. RESOLUTION TC28-73: BE IT RESOLVED, That a resolution entitled “RESOLUTION APPROPRIATING \$1,202,000 FOR THE TRUMBULL BOARD OF EDUCATION CAPITAL IMPROVEMENT PLAN 2020-2021 AND AUTHORIZING THE ISSUE OF \$1,202,000 BONDS OF THE TOWN TO MEET SAID APPROPRIATION AND PENDING THE ISSUANCE THEREOF THE MAKING OF TEMPORARY BORROWINGS FOR SUCH PURPOSE” is hereby approved. (Full Resolution Attached)
2. RESOLUTION TC28-74: BE IT RESOLVED, That a resolution entitled “RESOLUTION APPROPRIATING \$7,632,000 FOR THE TRUMBULL (TOWN) CAPITAL IMPROVEMENT PLAN 2020-2021 AND AUTHORIZING THE ISSUE OF \$7,632,000 BONDS OF THE TOWN TO MEET SAID APPROPRIATION AND PENDING THE ISSUANCE THEREOF THE MAKING OF TEMPORARY BORROWINGS FOR SUCH PURPOSE.” is hereby approved. (Full Resolution Attached)

FULL RESOLUTIONS

RESOLUTION TC28-73:

RESOLUTION APPROPRIATING \$1,202,000 FOR THE TRUMBULL BOARD OF EDUCATION CAPITAL IMPROVEMENT PLAN 2020-2021 AND AUTHORIZING THE ISSUE OF \$1,202,000 BONDS OF THE TOWN TO MEET SAID APPROPRIATION AND PENDING THE ISSUANCE THEREOF THE MAKING OF TEMPORARY BORROWINGS FOR SUCH PURPOSE

Section 1. The sum of \$1,202,000 is appropriated for the planning, acquisition and construction of the Trumbull Board of Education Capital Improvement Plan 2020-2021, as adopted and amended by the Town Council from time to time, and consisting of: (i) school facilities as identified in the plan; (ii) infrastructure and equipment as defined in the plan, and for appurtenances, equipment and services related thereto, or for so much thereof or such additional improvements as may be accomplished within said appropriation, and for administrative, advertising, printing, legal and financing costs to the extent paid therefrom. Said appropriation shall be inclusive of grant funding and in addition to all prior appropriations for said purpose. The Town Council may by resolution transfer funding herein among authorized projects within the 2020-2021 Board of Education CIP, and the First Selectman's office may transfer among projects amounts not exceeding 10% of the CIP funding by purpose as last approved by the Town Council.

Section 2. To meet said appropriation \$1,202,000 bonds of the Town or so much thereof as shall be necessary for such purpose, shall be issued, maturing not later than the twentieth year after their date. Said bonds may be issued in one or more series as determined by the First Selectman and the Town Treasurer (hereafter the Town Officials), and the amount of bonds of each series to be issued shall be fixed by the Town Officials. Said bonds shall be issued in the amount necessary to meet the Town's share of the cost of the project determined after considering the estimated amount of the State and Federal grants-in-aid of the project, or the actual amount thereof if this be ascertainable, and the anticipated times of the receipt of the proceeds thereof, provided that the total amount of bonds to be issued shall not be less than an amount which will provide funds sufficient with other funds available for such purpose to pay the principal of and the interest on all temporary borrowings in anticipation of the receipt of the proceeds of said bonds outstanding at the time of the issuance thereof, and to pay for the administrative, printing and legal costs of issuing the bonds. Capital project revenues, including bid premiums and investment income derived from investment of bond proceeds (and net investment income derived from note proceeds) are authorized to be credited by the Director of Finance to the project account and expended to pay project expenses customarily paid therefrom. The remaining appropriation and bond authorization shall be reduced by the amount of capital project revenues so credited. The bonds shall be in the denomination of \$1,000 or a whole multiple thereof, or, be combined with other bonds of the Town and such combined issue shall be in the denomination per aggregate maturity of \$1,000 or a whole multiple thereof, be issued in

bearer form or in fully registered form, be executed in the name and on behalf of the Town by the manual or facsimile signatures of the Town Officials, bear the Town seal or a facsimile thereof, be certified by a bank or trust company designated by the Town Officials, which bank or trust company may be designated the registrar and transfer agent, be payable at a bank or trust company designated by the Town Officials, and be approved as to their legality by Joseph Fasi LLC, Attorneys-at-law, Bond Counsel of Hartford. They shall bear such rate or rates of interest as shall be determined by the Town Officials. The bonds shall be general obligations of the Town and each of the bonds shall recite that every requirement of law relating to its issue has been duly complied with, that such bond is within every debt and other limit prescribed by law, that the full faith and credit of the Town are pledged to the payment of the principal thereof and the interest thereon and will be paid from property taxation to the extent not paid from other sources. The aggregate principal amount of the bonds to be issued, the annual installments of principal, redemption provisions, if any, the date, time of issue and sale and other terms, details and particulars of such bonds, shall be determined by the Town Officials, in accordance with the General Statutes of the State of Connecticut, as amended.

Section 3. Said bonds shall be sold by the Town Officials, in a competitive offering or by negotiation, in their discretion. If sold at competitive offering, the bonds shall be sold upon sealed proposals, auction, or similar competitive process at not less than par and accrued interest on the basis of the lowest net or true interest cost to the Town. A notice of sale or a summary thereof describing the bonds and setting forth the terms and conditions of the sale shall be published at least five days in advance of the sale in a recognized publication carrying municipal bond notices and devoted primarily to financial news and the subject of state and municipal bonds. If the bonds are sold by negotiation, the provisions of purchase agreement shall be approved by the Town Officials.

Section 4. The Town Officials, are authorized to make temporary borrowings in anticipation of the receipt of the proceeds of said bonds. Notes evidencing such borrowings shall be executed in the name and on behalf of the Town by the manual or facsimile signatures of the Town Officials, bear the Town seal or a facsimile thereof, be payable at a bank or trust company designated by the Town Officials, be approved as to their legality by Joseph Fasi LLC, Attorneys-at-law, Bond Counsel of Hartford, and be certified by a bank or trust company designated by the Town Officials, pursuant to Section 7-373 of the General Statutes of Connecticut, as amended. They shall be issued with maturity dates which comply with the provisions of the General Statutes governing the issuance of such notes, as the same may be amended from time to time. The notes shall be general obligations of the Town and each of the notes shall recite that every requirement of law relating to its issue has been duly complied with, that such note is within every debt and other limit prescribed by law, that the full faith and credit of the Town are pledged to the payment of the principal thereof and the interest thereon and will be paid from property taxation to the extent not paid from other sources. The net interest cost on such notes, including renewals thereof, and the expense of preparing, issuing and marketing them, to the extent paid from the proceeds of such renewals or said bonds, shall be included as a cost of the project. Upon the sale of said bonds, the proceeds thereof, to the extent required, shall be applied forthwith to the payment of the principal of and the interest on any such notes then outstanding or shall be deposited with a bank or trust company in trust for such purpose.

Section 5. Resolution of Official Intent to Reimburse Expenditures with Borrowings. The Town (the "Issuer") hereby expresses its official intent pursuant to §1.150-2 of the Federal Income Tax Regulations, Title 26 (the "Regulations"), to reimburse expenditures paid sixty days prior to and after the date of passage of this ordinance in the maximum amount and for the capital project defined in Section 1 with the proceeds of bonds, notes, or other obligations ("Bonds") authorized to be issued by the Issuer. The Bonds shall be issued to reimburse such expenditures not later than 18 months after the later of the date of the expenditure or the substantial completion of the project, or such later date the Regulations may authorize. The Issuer hereby certifies that the intention to reimburse as expressed herein is based upon its reasonable expectations as of this date. The Director of Finance or her designee is authorized to pay project expenses in accordance herewith pending the issuance of reimbursement bonds, and to amend this declaration.

Section 6. The Town Officials, are hereby authorized to exercise all powers conferred by section 3-20e of the general statutes with respect to secondary market disclosure and to provide annual information and notices of material events as enumerated in Securities and Exchange Commission Exchange Act Rule 15c2-12, as amended, as may be necessary, appropriate or desirable to effect the sale of the bonds and notes authorized by this resolution.

Section 7. It is hereby found and determined that it is in public interest to issue all, or a portion of, the Bonds, Notes or other obligations of the Town as qualified private activity bonds, or with interest that is includable in gross income of the holders thereof for purposes of federal income taxation. The Town Officials are hereby authorized to issue and utilize without further approval any financing alternative currently or hereafter available to municipal governments pursuant to law including but not limited to any "tax credit bonds" or "Build America Bonds" including Direct Payment and Tax Credit versions.

RESOLUTION TC28-74:

RESOLUTION APPROPRIATING \$7,632,000 FOR THE TRUMBULL (TOWN) CAPITAL IMPROVEMENT PLAN 2020-2021 AND AUTHORIZING THE ISSUE OF \$7,632,000 BONDS OF THE TOWN TO MEET SAID APPROPRIATION AND PENDING THE ISSUANCE THEREOF THE MAKING OF TEMPORARY BORROWINGS FOR SUCH PURPOSE

Section 1. The sum of \$7,632,000 is appropriated for the planning, acquisition and construction of the various projects comprising the Trumbull (Town) Capital Improvement Plan 2020-2021, as adopted and amended by the Town Council from time to time, and consisting of: (i) roadways; (ii) Public Facilities including Town Hall, Public Works Yard, EMS Building, Senior Center, (iii) Park improvements, (iv) Fleet and Equipment; (v) other projects, including economic development and various road and drainage improvements and engineering; and (vi) enterprise (WPCA); and including appurtenances, equipment and services related thereto, or for so much thereof or such additional improvements as may be accomplished within said appropriation, and for administrative, advertising, printing, legal and financing costs to the extent paid therefrom. Said appropriation shall be in addition to grant funding and all prior appropriations for said purpose. The Town Council may by resolution transfer funding herein among authorized projects within the 2020-2021 Town CIP, and the First Selectman's office may transfer among projects amounts not exceeding 10% of the CIP funding by purpose as last approved by the Town Council.

Section 2. To meet said appropriation \$7,632,000 bonds of the Town or so much thereof as shall be necessary for such purpose, shall be issued, maturing not later than the twentieth year after their date. Said bonds may be issued in one or more series as determined by the First Selectman and the Town Treasurer (hereafter the Town Officials), and the amount of bonds of each series to be issued shall be fixed by the Town Officials, provided that the total amount of bonds to be issued shall not be less than an amount which will provide funds sufficient with other funds available for such purpose to pay the principal of and the interest on all temporary borrowings in anticipation of the receipt of the proceeds of said bonds outstanding at the time of the issuance thereof, and to pay for the administrative, printing and legal costs of issuing the bonds. Capital project revenues, including bid premiums and investment income derived from investment of bond proceeds (and net investment income derived from note proceeds) are authorized to be credited by the Director of Finance to the project account and expended to pay project expenses customarily paid therefrom. The remaining appropriation and bond authorization shall be reduced by the amount of capital project revenues so credited. The bonds shall be in the denomination of \$1,000 or a whole multiple thereof, or, be combined with other bonds of the Town and such combined issue shall be in the denomination per aggregate maturity of \$1,000 or a whole multiple thereof, be issued in bearer form or in fully registered form, be executed in the name and on behalf of the Town by the manual or facsimile signatures of the Town Officials, bear the Town seal or a facsimile thereof, be certified by a bank or trust company designated by the Town Officials, which bank or trust company may be designated the registrar and transfer agent, be payable at a bank or trust company designated by the Town

Officials, and be approved as to their legality by Joseph Fasi LLC, Attorneys-at-law, Bond Counsel of Hartford. They shall bear such rate or rates of interest as shall be determined by the Town Officials. The bonds shall be general obligations of the Town and each of the bonds shall recite that every requirement of law relating to its issue has been duly complied with, that such bond is within every debt and other limit prescribed by law, that the full faith and credit of the Town are pledged to the payment of the principal thereof and the interest thereon and will be paid from property taxation to the extent not paid from other sources. The aggregate principal amount of the bonds to be issued, the annual installments of principal, redemption provisions, if any, the date, time of issue and sale and other terms, details and particulars of such bonds, shall be determined by the Town Officials, in accordance with the General Statutes of the State of Connecticut, as amended.

Section 3. Said bonds shall be sold by the Town Officials, in a competitive offering or by negotiation, in their discretion. If sold at competitive offering, the bonds shall be sold upon sealed proposals, auction, or similar competitive process at not less than par and accrued interest on the basis of the lowest net or true interest cost to the Town. A notice of sale or a summary thereof describing the bonds and setting forth the terms and conditions of the sale shall be published at least five days in advance of the sale in a recognized publication carrying municipal bond notices and devoted primarily to financial news and the subject of state and municipal bonds. If the bonds are sold by negotiation, the provisions of purchase agreement shall be approved by the Town Officials.

Section 4. The Town Officials are authorized to make temporary borrowings in anticipation of the receipt of the proceeds of said bonds. Notes evidencing such borrowings shall be executed in the name and on behalf of the Town by the manual or facsimile signatures of the Town Officials, bear the Town seal or a facsimile thereof, be payable at a bank or trust company designated by the Town Officials, be approved as to their legality by Joseph Fasi LLC, Attorneys-at-law, Bond Counsel of Hartford, and be certified by a bank or trust company designated by the Town Officials, pursuant to Section 7-373 of the General Statutes of Connecticut, as amended. They shall be issued with maturity dates which comply with the provisions of the General Statutes governing the issuance of such notes, as the same may be amended from time to time. The notes shall be general obligations of the Town and each of the notes shall recite that every requirement of law relating to its issue has been duly complied with, that such note is within every debt and other limit prescribed by law, that the full faith and credit of the Town are pledged to the payment of the principal thereof and the interest thereon and will be paid from property taxation to the extent not paid from other sources. The net interest cost on such notes, including renewals thereof, and the expense of preparing, issuing and marketing them, to the extent paid from the proceeds of such renewals or said bonds, shall be included as a cost of the project. Upon the sale of said bonds, the proceeds thereof, to the extent required, shall be applied forthwith to the payment of the principal of and the interest on any such notes then outstanding or shall be deposited with a bank or trust company in trust for such purpose.

Section 5. Resolution of Official Intent to Reimburse Expenditures with Borrowings. The Town (the "Issuer") hereby expresses its official intent pursuant to §1.150-2 of the Federal Income Tax Regulations, Title 26 (the "Regulations"), to reimburse expenditures paid sixty days prior to and after the date of passage of this ordinance in the maximum amount and for the

capital project defined in Section 1 with the proceeds of bonds, notes, or other obligations ("Bonds") authorized to be issued by the Issuer. The Bonds shall be issued to reimburse such expenditures not later than 18 months after the later of the date of the expenditure or the substantial completion of the project, or such later date the Regulations may authorize. The Issuer hereby certifies that the intention to reimburse as expressed herein is based upon its reasonable expectations as of this date. The Director of Finance or her designee is authorized to pay project expenses in accordance herewith pending the issuance of reimbursement bonds, and to amend this declaration.

Section 6. The Town Officials, are hereby authorized to exercise all powers conferred by section 3-20e of the general statutes with respect to secondary market disclosure and to provide annual information and notices of material events as enumerated in Securities and Exchange Commission Exchange Act Rule 15c2-12, as amended, as may be necessary, appropriate or desirable to effect the sale of the bonds and notes authorized by this resolution.

Section 7. It is hereby found and determined that it is in public interest to issue all, or a portion of, the Bonds, Notes or other obligations of the Town as qualified private activity bonds, or with interest that is includable in gross income of the holders thereof for purposes of federal income taxation. The Town Officials are hereby authorized to issue and utilize without further approval any financing alternative currently or hereafter available to municipal governments pursuant to law including but not limited to any "tax credit bonds" or "Build America Bonds" including Direct Payment and Tax Credit versions.

TOWN OF TRUMBULL
BOARD OF FINANCE

REQUEST FOR ACTION

DATE: 5/14/2020
AGENDA: 05-20-01
AMOUNT: \$1,202,000

FY 2020

BONDING RESOLUTION [X] To consider and act upon a resolution entitled:

(C) SUMMARY OF REQUEST: RRESOLUTION APPROPRIATING \$1,202,000 FOR THE TRUMBULL BOARD OF EDUCATION CAPITAL IMPROVEMENT PLAN 2020-2021 AND AUTHORIZING THE ISSUE OF \$1,202,000 BONDS OF THE TOWN TO MEET SAID APPROPRIATION AND PENDING THE ISSUANCE THEREOF THE MAKING OF TEMPORARY BORROWINGS FOR SUCH PURPOSE

(D) REQUESTED BY: Vicki A. Tesoro, First Selectman

(E) SUPPORTING DATA: See attached resolution and Funding Request

(F) CONCURRENCE: YES [] NO [] NEED ADD'L INFORMATION



Vicki A. Tesoro, First Selectman

(G) BOARD OF FINANCE ACTION:

1. APPROVED ___
2. RECOMMENDED TO TOWN COUNCIL ___
3. TABLED ___
4. DENIED ___
5. OTHER ___

RESOLUTION APPROPRIATING \$1,205,000 FOR THE TRUMBULL BOARD OF EDUCATION CAPITAL IMPROVEMENT PLAN 2020-2021 AND AUTHORIZING THE ISSUE OF \$1,205,000 BONDS OF THE TOWN TO MEET SAID APPROPRIATION AND PENDING THE ISSUANCE THEREOF THE MAKING OF TEMPORARY BORROWINGS FOR SUCH PURPOSE

Section 1. The sum of \$1,205,000 is appropriated for the planning, acquisition and construction of the Trumbull Board of Education Capital Improvement Plan 2020-2021, as adopted and amended by the Town Council from time to time, and consisting of: (i) school facilities as identified in the plan; (ii) infrastructure and equipment as defined in the plan, and for appurtenances, equipment and services related thereto, or for so much thereof or such additional improvements as may be accomplished within said appropriation, and for administrative, advertising, printing, legal and financing costs to the extent paid therefrom. Said appropriation shall be inclusive of grant funding and in addition to all prior appropriations for said purpose. The Town Council may by resolution transfer funding herein among authorized projects within the 2020-2021 Board of Education CIP, and the First Selectman's office may transfer among projects amounts not exceeding 10% of the CIP funding by purpose as last approved by the Town Council.

Section 2. To meet said appropriation \$1,205,000 bonds of the Town or so much thereof as shall be necessary for such purpose, shall be issued, maturing not later than the twentieth year after their date. Said bonds may be issued in one or more series as determined by the First Selectman and the Town Treasurer (hereafter the Town Officials), and the amount of bonds of each series to be issued shall be fixed by the Town Officials. Said bonds shall be issued in the amount necessary to meet the Town's share of the cost of the project determined after considering the estimated amount of the State and Federal grants-in-aid of the project, or the actual amount thereof if this be ascertainable, and the anticipated times of the receipt of the proceeds thereof, provided that the total amount of bonds to be issued shall not be less than an amount which will provide funds sufficient with other funds available for such purpose to pay the principal of and the interest on all temporary borrowings in anticipation of the receipt of the proceeds of said bonds outstanding at the time of the issuance thereof, and to pay for the administrative, printing and legal costs of issuing the bonds. Capital project revenues, including bid premiums and investment income derived from investment of bond proceeds (and net investment income derived from note proceeds) are authorized to be credited by the Director of Finance to the project account and expended to pay project expenses customarily paid therefrom. The remaining appropriation and bond authorization shall be reduced by the amount of capital project revenues so credited. The bonds shall be in the denomination of \$1,000 or a whole multiple thereof, or, be combined with other bonds of the Town and such combined issue shall be in the denomination per aggregate maturity of \$1,000 or a whole multiple thereof, be issued in bearer form or in fully registered form, be executed in the name and on behalf of the Town by the manual or facsimile signatures of the Town Officials, bear the Town seal or a facsimile thereof, be certified by a bank or trust company designated by the Town Officials, which bank or trust company may be designated the registrar and transfer agent, be payable at a bank or trust company designated by the Town Officials, and be approved as to their legality by Joseph Fasi LLC, Attorneys-at-law, Bond Counsel of Hartford.

They shall bear such rate or rates of interest as shall be determined by the Town Officials. The bonds shall be general obligations of the Town and each of the bonds shall recite that every requirement of law relating to its issue has been duly complied with, that such bond is within every debt and other limit prescribed by law, that the full faith and credit of the Town are pledged to the payment of the principal thereof and the interest thereon and will be paid from property taxation to the extent not paid from other sources. The aggregate principal amount of the bonds to be issued, the annual installments of principal, redemption provisions, if any, the date, time of issue and sale and other terms, details and particulars of such bonds, shall be determined by the Town Officials, in accordance with the General Statutes of the State of Connecticut, as amended.

Section 3. Said bonds shall be sold by the Town Officials, in a competitive offering or by negotiation, in their discretion. If sold at competitive offering, the bonds shall be sold upon sealed proposals, auction, or similar competitive process at not less than par and accrued interest on the basis of the lowest net or true interest cost to the Town. A notice of sale or a summary thereof describing the bonds and setting forth the terms and conditions of the sale shall be published at least five days in advance of the sale in a recognized publication carrying municipal bond notices and devoted primarily to financial news and the subject of state and municipal bonds. If the bonds are sold by negotiation, the provisions of purchase agreement shall be approved by the Town Officials.

Section 4. The Town Officials, are authorized to make temporary borrowings in anticipation of the receipt of the proceeds of said bonds. Notes evidencing such borrowings shall be executed in the name and on behalf of the Town by the manual or facsimile signatures of the Town Officials, bear the Town seal or a facsimile thereof, be payable at a bank or trust company designated by the Town Officials, be approved as to their legality by Joseph Fasi LLC, Attorneys-at-law, Bond Counsel of Hartford, and be certified by a bank or trust company designated by the Town Officials, pursuant to Section 7-373 of the General Statutes of Connecticut, as amended. They shall be issued with maturity dates which comply with the provisions of the General Statutes governing the issuance of such notes, as the same may be amended from time to time. The notes shall be general obligations of the Town and each of the notes shall recite that every requirement of law relating to its issue has been duly complied with, that such note is within every debt and other limit prescribed by law, that the full faith and credit of the Town are pledged to the payment of the principal thereof and the interest thereon and will be paid from property taxation to the extent not paid from other sources. The net interest cost on such notes, including renewals thereof, and the expense of preparing, issuing and marketing them, to the extent paid from the proceeds of such renewals or said bonds, shall be included as a cost of the project. Upon the sale of said bonds, the proceeds thereof, to the extent required, shall be applied forthwith to the payment of the principal of and the interest on any such notes then outstanding or shall be deposited with a bank or trust company in trust for such purpose.

Section 5. Resolution of Official Intent to Reimburse Expenditures with Borrowings. The Town (the "Issuer") hereby expresses its official intent pursuant to §1.150-2 of the Federal Income Tax Regulations, Title 26 (the "Regulations"), to reimburse expenditures paid sixty days prior to and after the date of passage of this ordinance in the maximum amount and for the capital project defined in Section 1 with the proceeds of bonds, notes, or other obligations ("Bonds") authorized to be issued by the Issuer. The Bonds shall be issued to reimburse such expenditures not later than

18 months after the later of the date of the expenditure or the substantial completion of the project, or such later date the Regulations may authorize. The Issuer hereby certifies that the intention to reimburse as expressed herein is based upon its reasonable expectations as of this date. The Director of Finance or her designee is authorized to pay project expenses in accordance herewith pending the issuance of reimbursement bonds, and to amend this declaration.

Section 6. The Town Officials, are hereby authorized to exercise all powers conferred by section 3-20e of the general statutes with respect to secondary market disclosure and to provide annual information and notices of material events as enumerated in Securities and Exchange Commission Exchange Act Rule 15c2-12, as amended, as may be necessary, appropriate or desirable to effect the sale of the bonds and notes authorized by this resolution.

Section 7. It is hereby found and determined that it is in public interest to issue all, or a portion of, the Bonds, Notes or other obligations of the Town as qualified private activity bonds, or with interest that is includable in gross income of the holders thereof for purposes of federal income taxation. The Town Officials are hereby authorized to issue and utilize without further approval any financing alternative currently or hereafter available to municipal governments pursuant to law including but not limited to any “tax credit bonds” or “Build America Bonds” including Direct Payment and Tax Credit versions.

**TOWN OF TRUMBULL - BOE
FUNDING REQUEST - CAPITAL IMPROVEMENT PLAN
CALENDAR YEAR 2020
as of May 5, 2020**

	CY 2020 Planned	CY 2020 Funding Request	LOCIP/TAR	GRANT	Other	Bond
BOE	4,594,000	1,190,000	-	-	-	1,190,000
TOTAL*	\$ 4,594,000	\$ 1,190,000	\$ -	\$ -	\$ -	\$ 1,190,000

Bonding Costs	\$ 11,900
Total	\$ 1,201,900
Rounded	\$ 1,202,000

** Projected costs are gross amounts; actual bonded amounts will be net of any other funding sources, including State reimbursements. Amounts proposed for future periods are not adjusted for inflation.*

	<i>CY 2021 Capital Plan Funding Request</i>	LOCIP/TAR	GRANT	Other	Bond
<u>Board of Education</u>					
Hillcrest Middle School	40,000	-	-	-	40,000
Madison Middle School	1,045,000	-	-	-	1,045,000
Middlebrook Elementary	-	-	-	-	-
Daniels Farm Elementary	-	-	-	-	-
Jane Ryan Elementary	50,000	-	-	-	50,000
Booth Hill Elementary	25,000	-	-	-	25,000
Tashua Elementary	-	-	-	-	-
Frenchtown Elementary	-	-	-	-	-
TECEC	-	-	-	-	-
Agriscience High School	-	-	-	-	-
Trumbull High School	-	-	-	-	-
Equip and Infra Dist Wide	-	-	-	-	-
Long Hill Admin Building	-	-	-	-	-
Bus Garage	30,000	-	-	-	30,000
TOAL BOE	1,190,000	-	-	-	1,190,000

BUILDING	CATEGORY	DESCRIPTION	2020 Capital Plan Funding Request	LOCIP/TAR	GRANT	Other	Bond
Hillcrest Middle School	Environmental	Asbestos (Flooring and Insulation)	40,000				40,000
Hillcrest Middle School	Safety	Remove ext. concrete shade panels	-				-
Total Hillcrest School:			40,000	-	-	-	40,000
Madison Middle School	Environmental	Asbestos (Flooring and Insulation)	75,000				75,000
Madison Middle School	Construction	Detention basin construction	970,000				970,000
Total Madison School:			1,045,000	-	-	-	1,045,000
Middlebrook Elementary	Roofing	Roof replacement	-				-
Total Middlebrook Elementary School:			-	-	-	-	-
Jane Ryan Elementary	Environmental	Asbestos (Flooring and Insulation)	50,000				50,000
Jane Ryan Elementary	Paving	Parking Lot - Sidewalks, and Driveway Paving	-				-
Total Jane Ryan Elementary School:			50,000	-	-	-	50,000
Booth Hill Elementary	Environmental	Asbestos (Flooring and Insulation)	25,000				25,000
Total Booth Hill Elementary School:			25,000	-	-	-	25,000
Long Hill Admin Building	Paving	Parking Lot Drainage & paving	-				-
Long Hill Admin Building	Constuction	Build Data Center at High School	-				-
Total Long Hill Admin Building:			-	-	-	-	-
Bus Garage	Paving	Parking lot design & permitting	30,000				30,000
Total Bus Garage:			30,000	-	-	-	30,000
GRAND TOTAL:			1,190,000	-	-	-	1,190,000

* Will enter into Performance Contract for Energy Efficiency projects to be paid over 10 years.



<http://www.trumbullps.org>

FACILITIES DEPARTMENT
6254 MAIN STREET, TRUMBULL, CT
TEL. (203) 452-4306 FAX: (203) 452-4308

Mark Deming, Director
Email: mdeming@trumbullps.org

2020-2021 Capital Request Summary

Hillcrest Middle School

Asbestos Abatement-\$40,000 *

This is the fifth year of a systematic approach to dealing with the Asbestos in our schools, in the past this process was reactive rather than proactive. We have developed an inventory at each school and a plan to systematically remove asbestos flooring and insulation from our schools.

Remove ext. concrete shade panels - \$92,000

The concrete shades are degrading at connection points to building and between their connections to each other. Eventually they will become a safety issue, additionally they will have to be removed in order complete a window replacement project.

Madison Middle School

Asbestos Abatement- \$75,000 *

This is the fifth year of a systematic approach to dealing with the Asbestos in our schools, in the past this process was reactive rather than proactive. We have developed an inventory at each school and a plan to systematically remove asbestos flooring and insulation from our schools.

Electrical Infrastructure upgades- \$175,000

This funding request is to update electrical distribution and sub panels that are original to the school. Over the years with the additional computers and AC units the building was not designed for has created capacity issues within the aging infrastructure.

Middlebrook Elementary School

Daniels Farm Elementary School

Asbestos Abatement-\$45,000

This is the fourth year of a systematic approach to dealing with the Asbestos in our schools, in the past this process was reactive rather than proactive. We have developed an inventory at each school and a plan to systematically remove asbestos flooring and insulation from our schools

Jane Ryan Elementary School

Asbestos Abatement-\$50,000

This is the fourth year of a systematic approach to dealing with the Asbestos in our schools, in the past this process was reactive rather than proactive. We have developed an inventory at each school and a plan to systematically remove asbestos flooring and insulation from our schools.

Parking Lot – Sidewalks/Driveway - \$1,350,000

This funding will address sidewalk replacement as required, drainage improvements and new pavement at Jane Ryan School. This project may be phased depending on conditions of drainage.

Booth Hill Elementary School

Asbestos Abatement-\$25,000

This is the fourth year of a systematic approach to dealing with the Asbestos in our schools, in the past this process was reactive rather than proactive. We have developed an inventory at each school and a plan to systematically remove asbestos flooring and insulation from our schools.

BOE- Madison Detention Basin

Construction Cost Estimate
 Madison Middle School Detention Basin, Trumbull, CT

BOE # 1

7/10/2019
 BOE

Major and Minor Contract Items

Item No.	Item	Unit	Quantity	Unit \$	Total Cost
1	Clearing and Grubbing	Acre	4	\$5,000.00	\$ 20,000.00
2	Excavation existing pond	CY	4,600	\$25.00	\$ 115,000.00
3	Earth Excavation expanded pond area	CY	17,000	\$18.00	\$ 306,000.00
4	Outlet Control Structure	LS	1	\$25,000.00	\$ 25,000.00
5	Drainage Piping	LF	100	\$100.00	\$ 10,000.00
6	Rip Rap protection	CY	300	\$100.00	\$ 30,000.00
7	Chain Link fencing and gates	LS	2,300	\$50.00	\$ 115,000.00
8	Straw Wattle	LF	100	\$3.00	\$ 300.00
9	Silt Sack	Ea.	5	\$225.00	\$ 1,125.00
10	Geotextile Silt Fence	LF	2,500	\$3.00	\$ 7,500.00
11	Haybale Barrier	LF	1,000	\$3.00	\$ 3,000.00
12	Construction Entrance	SY	450	\$30.00	\$ 13,500.00
13	Cofferdam	LF	100	\$400.00	\$ 40,000.00
14	Erosion Control Blanket	SY	5,000	\$5.00	\$ 25,000.00
15	Topsoil & vegetative cover	SY	17,000	\$5.00	\$ 85,000.00

A	Major Items Subtotal				\$ 796,425
B	Minor Items Subtotal	10	% of Line "A"		\$ 79,643
C	Major and Minor Contract Items Subtotal (A + B)				\$ 876,068

Other Item Allowances

Clearing and Grubbing (see above)	0	% of Line "C"	\$ -
M & P of Traffic	0.5	% of Line "C"	\$ 4,380
Mobilization	5	% of Line "C"	\$ 43,803
Construction Staking	2	% of Line "C"	\$ 17,521

D	Other Items Subtotal				\$ 65,704
E	CONTRACT SUBTOTAL (C + D)				\$ 941,772

Inflation Costs (Simple Method)

Date of Estimate	Jul-19			
Anticipated Bid Date	Jan-20			
Annual Inflation	4%			
F	Inflation Subtotal	2.0%	of Line "E"	\$ 18,835

G	TOTAL CONTRACT COST ESTIMATE (E + F) (Rounded to nearest \$1000)				\$ 961,000
---	------------------------------------------------------------------	--	--	--	------------

LOT/CP Project Costs Summary

Contract Cost Estimate (Line "G")		\$ 961,000
Contingencies	10%	\$ 96,100
Incidentals	10%	\$ 96,100
Surveying, Engineering and Permits	8%	\$ 76,880
Construction Administration & Observation	12%	\$ 115,320
TOTAL PROJECT COST		\$ 1,345,400

CTDOT FUNDING COMMITMENT (DATE)	\$ -
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DIFFERENCE #DIV/0!

"This is an engineer's Opinion of Probable Construction Cost (OPCC). Tighe & Bond has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the estimates of probable construction costs are made on the basis of the Tighe & Bond's professional judgment and experience. Tighe & Bond makes no guarantee nor warranty, expressed or implied, that the bids or the negotiated cost of the Work will not vary from this estimate of the Probable Construction Cost."

**BOE - Bus
Garage Parking Lot**

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

DEPARTMENT

BOE - Bus Garage

Provide narrative to describe and justify the requested project and answer the following questions as applicable.
The objective of this project is to add a new parking lot adjacent to the existing bus garage. The new parking lot will provide parking for employees. Currently the depot has inadequate and insufficient parking for staff; bus drivers park alongside Spring Hill Road and any where they are able to find a spot within the depot. This creates unsafe parking conditions and is highly inefficient as vehicles are spread out over many areas of the garage and public road.
Estimates are based on discussions with engineering consulting firms.

What existing facilities or conditions will be affected by the project? How will this project improve these?

Bus Garage, Spring Hill Road.

Will this project necessitate staffing increases?

No.

What is the general plan and timeline for completion?

2020-2021

Are there any outside funding sources, e.g., grants?

No

PROJECT DESCRIPTION	CALENDAR YEAR FUNDING					TOTAL
	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024	
Parking lot design and permitting	30,000					30,000
Parking lot construction		500,000				500,000
						-
						-
						-
						-
						-
						-
						-

JUSTIFY NEED FOR CAPITAL OUTLAY (Attach relevant documentation for your request. Insufficiently documented requests WILL NOT be considered for the plan.)

TOWN OF TRUMBULL
BOARD OF FINANCE

REQUEST FOR ACTION

DATE: 5-14-2020
AGENDA: 5-20-02
AMOUNT: \$7,632,000

FY 2020

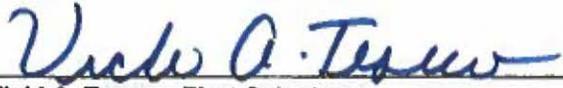
BONDING RESOLUTION [X] To consider and act upon a resolution entitled:

(C) SUMMARY OF REQUEST: RESOLUTION APPROPRIATING \$7,632,000 FOR THE TRUMBULL (TOWN) CAPITAL IMPROVEMENT PLAN 2020-2021 AND AUTHORIZING THE ISSUE OF \$7,632,000 BONDS OF THE TOWN TO MEET SAID APPROPRIATION AND PENDING THE ISSUANCE THEREOF THE MAKING OF TEMPORARY BORROWINGS FOR SUCH PURPOSE

(D) REQUESTED BY: Vicki A. Tesoro, First Selectman

(E) SUPPORTING DATA: See attached Resolution and Funding Request

(F) CONCURRENCE: [] YES [] NO [] NEED ADD'L INFORMATION



Vicki A. Tesoro, First Selectman

(G) BOARD OF FINANCE ACTION:

1. APPROVED___
2. RECOMMENDED TO TOWN COUNCIL___
3. TABLED___
4. DENIED___
5. OTHER___

RESOLUTION APPROPRIATING \$7,632,000 FOR THE TRUMBULL (TOWN) CAPITAL IMPROVEMENT PLAN 2020-2021 AND AUTHORIZING THE ISSUE OF \$7,632,000 BONDS OF THE TOWN TO MEET SAID APPROPRIATION AND PENDING THE ISSUANCE THEREOF THE MAKING OF TEMPORARY BORROWINGS FOR SUCH PURPOSE

Section 1. The sum of \$7,632,000 is appropriated for the planning, acquisition and construction of the various projects comprising the Trumbull (Town) Capital Improvement Plan 2020-2021, as adopted and amended by the Town Council from time to time, and consisting of: (i) roadways; (ii) Public Facilities including Town Hall, Public Works Yard, EMS Building, Senior Center, (iii) Park improvements, (iv) Fleet and Equipment; (v) other projects, including economic development and various road and drainage improvements and engineering; and (vi) enterprise (WPCA); and including appurtenances, equipment and services related thereto, or for so much thereof or such additional improvements as may be accomplished within said appropriation, and for administrative, advertising, printing, legal and financing costs to the extent paid therefrom. Said appropriation shall be in addition to grant funding and all prior appropriations for said purpose. The Town Council may by resolution transfer funding herein among authorized projects within the 2020-2021 Town CIP, and the First Selectman's office may transfer among projects amounts not exceeding 10% of the CIP funding by purpose as last approved by the Town Council.

Section 2. To meet said appropriation \$7,632,000 bonds of the Town or so much thereof as shall be necessary for such purpose, shall be issued, maturing not later than the twentieth year after their date. Said bonds may be issued in one or more series as determined by the First Selectman and the Town Treasurer (hereafter the Town Officials), and the amount of bonds of each series to be issued shall be fixed by the Town Officials, provided that the total amount of bonds to be issued shall not be less than an amount which will provide funds sufficient with other funds available for such purpose to pay the principal of and the interest on all temporary borrowings in anticipation of the receipt of the proceeds of said bonds outstanding at the time of the issuance thereof, and to pay for the administrative, printing and legal costs of issuing the bonds. Capital project revenues, including bid premiums and investment income derived from investment of bond proceeds (and net investment income derived from note proceeds) are authorized to be credited by the Director of Finance to the project account and expended to pay project expenses customarily paid therefrom. The remaining appropriation and bond authorization shall be reduced by the amount of capital project revenues so credited. The bonds shall be in the denomination of \$1,000 or a whole multiple thereof, or, be combined with other bonds of the Town and such combined issue shall be in the denomination per aggregate maturity of \$1,000 or a whole multiple thereof, be issued in bearer form or in fully registered form, be executed in the name and on behalf of the Town by the manual or facsimile signatures of the Town Officials, bear the Town seal or a facsimile thereof, be certified by a bank or trust company designated by the Town Officials, which bank or trust company may be designated the registrar and transfer agent, be payable at a bank or trust company designated by the Town Officials, and be approved as to their legality by Joseph Fasi LLC, Attorneys-at-law, Bond Counsel of Hartford. They shall bear such rate or rates of interest as shall be determined by the Town Officials. The bonds shall be general obligations of the Town and each of the bonds shall recite that every requirement of law relating to its issue has

been duly complied with, that such bond is within every debt and other limit prescribed by law, that the full faith and credit of the Town are pledged to the payment of the principal thereof and the interest thereon and will be paid from property taxation to the extent not paid from other sources. The aggregate principal amount of the bonds to be issued, the annual installments of principal, redemption provisions, if any, the date, time of issue and sale and other terms, details and particulars of such bonds, shall be determined by the Town Officials, in accordance with the General Statutes of the State of Connecticut, as amended.

Section 3. Said bonds shall be sold by the Town Officials, in a competitive offering or by negotiation, in their discretion. If sold at competitive offering, the bonds shall be sold upon sealed proposals, auction, or similar competitive process at not less than par and accrued interest on the basis of the lowest net or true interest cost to the Town. A notice of sale or a summary thereof describing the bonds and setting forth the terms and conditions of the sale shall be published at least five days in advance of the sale in a recognized publication carrying municipal bond notices and devoted primarily to financial news and the subject of state and municipal bonds. If the bonds are sold by negotiation, the provisions of purchase agreement shall be approved by the Town Officials.

Section 4. The Town Officials are authorized to make temporary borrowings in anticipation of the receipt of the proceeds of said bonds. Notes evidencing such borrowings shall be executed in the name and on behalf of the Town by the manual or facsimile signatures of the Town Officials, bear the Town seal or a facsimile thereof, be payable at a bank or trust company designated by the Town Officials, be approved as to their legality by Joseph Fasi LLC, Attorneys-at-law, Bond Counsel of Hartford, and be certified by a bank or trust company designated by the Town Officials, pursuant to Section 7-373 of the General Statutes of Connecticut, as amended. They shall be issued with maturity dates which comply with the provisions of the General Statutes governing the issuance of such notes, as the same may be amended from time to time. The notes shall be general obligations of the Town and each of the notes shall recite that every requirement of law relating to its issue has been duly complied with, that such note is within every debt and other limit prescribed by law, that the full faith and credit of the Town are pledged to the payment of the principal thereof and the interest thereon and will be paid from property taxation to the extent not paid from other sources. The net interest cost on such notes, including renewals thereof, and the expense of preparing, issuing and marketing them, to the extent paid from the proceeds of such renewals or said bonds, shall be included as a cost of the project. Upon the sale of said bonds, the proceeds thereof, to the extent required, shall be applied forthwith to the payment of the principal of and the interest on any such notes then outstanding or shall be deposited with a bank or trust company in trust for such purpose.

Section 5. Resolution of Official Intent to Reimburse Expenditures with Borrowings. The Town (the "Issuer") hereby expresses its official intent pursuant to §1.150-2 of the Federal Income Tax Regulations, Title 26 (the "Regulations"), to reimburse expenditures paid sixty days prior to and after the date of passage of this ordinance in the maximum amount and for the capital project defined in Section 1 with the proceeds of bonds, notes, or other obligations ("Bonds") authorized to be issued by the Issuer. The Bonds shall be issued to reimburse such expenditures not later than 18 months after the later of the date of the expenditure or the substantial completion of the project, or such later date the Regulations may authorize. The Issuer hereby certifies that the intention to

reimburse as expressed herein is based upon its reasonable expectations as of this date. The Director of Finance or her designee is authorized to pay project expenses in accordance herewith pending the issuance of reimbursement bonds, and to amend this declaration.

Section 6. The Town Officials, are hereby authorized to exercise all powers conferred by section 3-20e of the general statutes with respect to secondary market disclosure and to provide annual information and notices of material events as enumerated in Securities and Exchange Commission Exchange Act Rule 15c2-12, as amended, as may be necessary, appropriate or desirable to effect the sale of the bonds and notes authorized by this resolution.

Section 7. It is hereby found and determined that it is in public interest to issue all, or a portion of, the Bonds, Notes or other obligations of the Town as qualified private activity bonds, or with interest that is includable in gross income of the holders thereof for purposes of federal income taxation. The Town Officials are hereby authorized to issue and utilize without further approval any financing alternative currently or hereafter available to municipal governments pursuant to law including but not limited to any “tax credit bonds” or “Build America Bonds” including Direct Payment and Tax Credit versions.

**TOWN OF TRUMBULL
FUNDING REQUEST - CAPITAL IMPROVEMENT PLAN
CALENDAR YEAR 2020
as of May 5, 2020**

	CY 2020 Planned	CY 2020 Funding Request	LOCIP/TAR	GRANT	Other	Bond
Roadways	5,338,141	3,566,941	-	-	-	3,566,941
Public Facilities	2,487,500	885,500	-	-	200,500	685,000
Parks Improvements	5,081,700	1,975,700	-	-	-	1,975,700
Fleet & Equipment	1,076,000	556,000	-	-	-	556,000
Other	932,434	772,334	-	-	-	772,334
Enterprise	241,000	-	-	-	-	-
TOTAL*	\$ 15,156,775	\$ 7,756,475	\$ -	\$ -	\$ 200,500	\$ 7,555,975

Bond Finance Costs	\$	75,560
Total	\$	7,631,535
Rounded	\$	7,632,000

* Projected costs are gross amounts; actual bonded amounts will be net of any other funding sources, including State reimbursements. Amounts proposed for future periods are not adjusted for inflation.

	CY 2020 Capital Plan PLANNED	<i>CY 2021 Capital Plan Funding Request</i>	LOCIP/TAR	GRANT	Other	Bond
<u>Roadways</u>						
Roadway Paving	5,338,141	3,566,941	-	-	-	3,566,941
TOTAL ROADWAYS	5,338,141	3,566,941	-	-	-	3,566,941
<u>Public Facilities</u>						
Trumbull Library	42,000	-	-	-	-	-
Town Hall	430,000	130,000	-	-	-	130,000
Town Hall Annex	-	-	-	-	-	-
Police Headquarters	-	-	-	-	-	-
Senior Center	950,000	200,000	-	-	-	200,000
Public Works Yard	625,000	225,000	-	-	-	225,000
EMS Building	50,000	50,000	-	-	-	50,000
Helen Plumb Building	80,000	-	-	-	-	-
Transfer Station	230,500	200,500	-	-	200,500	-
Townwide	80,000	80,000	-	-	-	80,000
TOTAL PUBLIC FACILITIES	2,487,500	885,500	-	-	200,500	685,000
<u>Parks Improvements</u>						
Athletic Fields	1,500,000	-	-	-	-	-
Irrigation	-	-	-	-	-	-
Parks	351,700	245,700	-	-	-	245,700
Paving	1,365,000	1,365,000	-	-	-	1,365,000
Pools	1,115,000	365,000	-	-	-	365,000
Tennis	750,000	-	-	-	-	-
TOTAL PARKS IMPROVEMENTS	5,081,700	1,975,700	-	-	-	1,975,700
<u>Fleet & Equipment</u>						
EMS	120,000	120,000	-	-	-	120,000
Emergency Management	-	-	-	-	-	-
Highway	720,000	200,000	-	-	-	200,000
Parks	200,000	200,000	-	-	-	200,000
Other	36,000	36,000	-	-	-	36,000

	CY 2020 Capital Plan PLANNED	<i>CY 2021 Capital Plan Funding Request</i>	LOCIP/TAR	GRANT	Other	Bond
TOTAL FLEET & EQUIPMENT	1,076,000	556,000	-	-	-	556,000
Other	-	-	-	-	-	-
Economic Development	134,000	134,000	-	-	-	134,000
Engineering	798,434	638,334	-	-	-	638,334
Information Tech	-	-	-	-	-	-
Other Projects	-	-	-	-	-	-
TOTAL VARIOUS	932,434	772,334	-	-	-	772,334
Enterprise*						
WPCA	241,000	-	-	-	-	-
Golf	-	-	-	-	-	-
TOTAL WPCA	241,000	-	-	-	-	-
GRAND TOTAL	15,156,775	7,756,475	-	-	200,500	7,555,975

CATEGORY	DESCRIPTION	LOCATION	2020 Capital Plan Request	2020 Capital Plan Funding Request	LOCIP/TAR	GRANT	Other	Bond
Roadways	Paving	ABRIC DR	107,467	107,467				107,467
Roadways	Paving	ANITA AVE	105,467	105,467				105,467
Roadways	Paving	ARAGON DR	137,100	137,100				137,100
Roadways	Paving	BONHEUR RD	69,533	69,533				69,533
Roadways	Paving	CAMPBELL RD	66,453	66,453				66,453
Roadways	Paving	CANOE BROOK RD (Dale to Madison)	88,542	88,542				88,542
Roadways	Paving	CHATFIELD DR	261,773	261,773				261,773
Roadways	Paving	CLAIRE PL	64,213	64,213				64,213
Roadways	Paving	DALE RD	123,867	123,867				123,867
Roadways	Paving	DAYTON CIR	31,964	31,964				31,964
Roadways	Paving	ELMWOOD AVE	119,700	119,700				119,700
Roadways	Paving	FIELDSTONE CT	79,920	79,920				79,920
Roadways	Paving	GAYLORD RD	69,291	69,291				69,291
Roadways	Paving	GREEN ST	65,600	65,600				65,600
Roadways	Paving	HITCHING POST LN	59,867	59,867				59,867
Roadways	Paving	LEIGHTON RD	84,087	84,087				84,087
Roadways	Paving	MADISON AVE	570,000	-				-
Roadways	Paving	MAYMONT LN	139,867	139,867				139,867
Roadways	Paving	MERRILL RD	87,189	87,189				87,189
Roadways	Paving	PLATTSVILLE RD	49,671	49,671				49,671
Roadways	Paving	RANGELY DR	312,480	312,480				312,480
Roadways	Paving	RICHFIELD RD	76,813	76,813				76,813
Roadways	Paving	SHELBOURNE RD	56,373	56,373				56,373
Roadways	Paving	SHELTON RD	1,201,200	-				-
Roadways	Paving	WALNUT AVE	106,438	106,438				106,438
Roadways	Paving	WINSLOW RD	73,267	73,267				73,267
Roadways	Paving	Drainage	1,050,000	1,050,000				1,050,000
Roadways	Paving	Video Inspection for Plan Year Roads	80,000	80,000				80,000
GRAND TOTAL			5,338,141	3,566,941	-	-	-	3,566,941

Note Road paving for proposed sewer projects

BUILDING	CATEGORY	DESCRIPTION	CY 2020 Capital Plan Request	2020 Capital Plan Funding Request	LOCIP	GRANT	Other	Bond
Trumbull Library	Mechanical	Replace security and fire alarm system (non-proprietary system)	42,000					-
Total Trumbull Library			42,000	-	-	-	-	-
Town Hall	Construction	Sidewalk replacement	25,000	25,000				25,000
Town Hall	Construction	TH Customer service counter areas	80,000	80,000				80,000
Town Hall	Mechanical	Consulting services for plans & specs to replace HVAC system	25,000	25,000				25,000
Town Hall	Mechanical	Replace HVAC system	300,000	-				-
Total Town Hall			430,000	130,000	-	-	-	130,000
Senior Center	Construction	Sr. Center design & community approval efforts	950,000	200,000				200,000
Total Senior Center			950,000	200,000	-	-	-	200,000
Public Works Yard	Construction	Town Yard Garage maintenance/replacement/culvert	450,000	225,000				225,000
Public Works Yard	Construction	Structural improvements to plow garage #2 and bay door replacement	175,000	-				-
Total Public Works Yard			625,000	225,000	-	-	-	225,000
EMS Building	Site Construction	Reconfiguration/Expansion Design	50,000	50,000				50,000
Total EMS Building			50,000	50,000	-	-	-	50,000
Helen Plumb Building	Mechanical	HVAC system replacement	80,000	-				-

BUILDING	CATEGORY	DESCRIPTION	CY 2020	2020	LOCIP	GRANT	Other	Bond
			Capital Plan Request	Capital Plan Funding Request				
Total Hellen Plumb Building			80,000	-	-	-	-	-
Transfer Station	Site Construction	Concrete Slab repair ^{-a)}	45,000	45,000			45,000	-
Transfer Station	Mechanical	Transfer Station generator ^{-a)}	155,500	155,500			155,500	-
Transfer Station	Site Construction	Pre-fabricated salt shed ^{-a)}	30,000	-				-
Total Transfer Station			230,500	200,500	-	-	200,500	-
Townwide	Construction	Townwide sidewalk repairs	80,000	80,000				80,000
Total Townwide			80,000	80,000	-	-	-	80,000
GRAND TOTAL			2,487,500	885,500	-	-	200,500	685,000

a) TEAM expense

CATEGORY	LOCATION	DESCRIPTION	2020 Capital Plan Funding Request	LOCIP	GRANT	Other	Bond
Athletic Fields	Indian Ledge	New Construction of multi-purpose artificial field with lighting	-				-
Total Athletic Fields			-	-	-	-	-
Parks	Various Locations	Rest Room Upgrades - Roof, Lighting & Plumbing (7)	-				-
Parks	Various Locations	Wooden guardrail and installation	-				-
Parks	Twin Brooks	Dredging - Design	45,700				45,700
Parks	Design	Veteran's center design ^{a)}	200,000				200,000
Total Parks			245,700	-	-	-	245,700
Paving	Indian Ledge	Paving (phase 1)	865,000				865,000
Paving	Twin Brooks	Drainage / Paving	500,000				500,000
Total Paving			1,365,000	-	-	-	1,365,000
Pools	Tashua Pool	Complete pool design/upgrades and renovation - design	165,000				165,000
Pools	TBD	Aquatics Facility / Improvements design/surveys	200,000				200,000

CATEGORY	LOCATION	DESCRIPTION	2020 Capital Plan Funding Request	LOCIP	GRANT	Other	Bond
		Total Pools	365,000	-	-	-	365,000
Tennis	Unity	Tennis/Pickleball Court Replacement	-				-
Tennis	Tashua	Tennis Court Replacement (Courts # 1-4)	-				-
		Total Tennis	-	-	-	-	-
		GRAND TOTAL	1,975,700	-	-	-	1,975,700

^{a)} **Potential Grant for Veteran Center Construction**

DEPT	CURRENT PLATE	Make	MODEL / DESCRIPTION	YEAR	VIN (current vehicle)	CY 2020 Capital Plan Request	2020 Capital Plan Funding Request	LOIP	GRANT	Other	Bond
EMS			AMBULANCE - Sprinter			120,000	120,000				120,000
EMS Total						120,000	120,000	-	-	-	120,000
Highway	Replacing: 61TR/63TR/69TR/47 TR/58TR/96TR	INTERNATIONAL	FREIGHTLINER SNOWPLOW/SANDER	1992-2002	Various	400,000	200,000				200,000
Highway	NEW	STETCO	CATCH BASIN CLEANER	N/A		120,000	-				-
Highway	Replacing: 166TR	TBD	ROLL OFF TRUCK	1996		200,000	-				-
Highway Total						720,000	200,000	-	-	-	200,000

DEPT	CURRENT PLATE	Make	MODEL / DESCRIPTION	YEAR	VIN (current vehicle)	CY 2020		LOCIP	GRANT	Other	Bond
						Capital Plan Request	2020 Capital Plan Funding Request				
Parks	Replacing: 217TR	INTERNATIONAL	Hook Lift Truck	2006		200,000	200,000				200,000
Parks Total						200,000	200,000	-	-	-	200,000
Other	Tricaster System for Live streaming					36,000	36,000				36,000
GRAND TOTAL						1,076,000	556,000	-	-	-	556,000

CATEGORY	LOCATION	DESCRIPTION	CY 2020	2020	LOCIP	GRANT	Other	Bond
			Capital Plan Request	Capital Plan Funding Request				
Economic Development	Dunellen to Trail	Design/easements- Sidewalk design Dunellen to Trail	84,000	84,000				84,000
Economic Development	Mall planning study	Trumbull Mall Area/Southern Gateway Planning Study	50,000	50,000				50,000
Economic Development Total			134,000	134,000	-	-	-	134,000
Engineering	Town Wide Bridges-Brock Street	Construction (first Phases)	120,000	120,000				120,000
Engineering	Old Dike Road paving (phase 2)	Old Dike Road paving (phase 2)	356,234	356,234				356,234
Engineering	Daniels Farm Road culvert	Daniels Farm Road culverts (box culvert & 30in culvert) - design	161,000	-				-
Engineering	Strobel Road	Strobel Roads sidewalks - design	70,000	70,000				70,000
Engineering	Park Street	Park Street Culvert - design	91,200	92,100				92,100
Engineering Total			798,434	638,334	-	-	-	638,334
GRAND TOTAL			932,434	772,334	-	-	-	772,334

CATEGORY	LOCATION	DESCRIPTION	CY 2020	2020 Capital Plan Funding Request	LOCIP	GRANT	Other	Bond
			Capital Plan Request					
WPCA	Whitney Ave Pump Station	Pump Station Upgrades Design	241,000	-	-	-	-	-
Total WPCA			241,000	-	-	-	-	-
GRAND TOTAL			241,000	-	-	-	-	-

**CAPITAL IMPROVEMENT PLAN
NARRATIVE
2020 REQUEST**

Summaries are listed below.

STANDARD DEFINITION FOR CAPITAL IMPROVEMENT

- Any acquisition or lease of land
- Purchase of major equipment or vehicles in excess of \$10,000 with life expectancy 5+ years
- Construction of new building facilities with cost in excess of \$10,000
- Major building improvements with a cost in excess of \$10,000
- Major equipment or furnishings in excess of \$10,000

BOARD OF EDUCATION

The Board of Education Facilities Director, Mark Deming, BOE Facilities Manager, prepared the plan. Town of Trumbull Engineer developed quotes for school paving projects.

ROADWAYS

Streets were prioritized based on wear, safety, and usage. Cost includes much needed drainage repairs where indicated due to severe deterioration, asphalt, tack, catch basin, manholes, curbing as needed, grading/compacting, loading and trucking of excess material, in addition to an estimate for shoulder restoration charges that will be incurred. Video Inspection was also included for each year. Estimates based on current pricing for milling/reclaiming and asphalt. An additional line item was added each year to cover the cost of any additional drainage repairs that may be required as a result of video inspection findings.

PUBLIC FACILITIES

Costs are based on professional estimates from a report prepared by Antinozzi Associates, which was revised on September 30, 2010. Projects were reviewed and updated as necessary. Projects will be bid as required by Charter and costs are subject to change.

Building Maintenance System (BMS) - A BMS is the automatic centralized control of a building's HVAC system. Installing this type of automated centralized control system will result in improved occupant comfort, increased efficiency operation of HVAC system and reduction in energy consumption.

TOWN HALL

The Americans with Disabilities Act (ADA) requires modifications to many of the existing facilities within Town Hall for improved accessibility to individuals with physical limitations.

Many of the Town's service counters in the building do not comply with accessible requirements. Additionally due to COVID-19 we are required to make modifications to all offices to follow social distancing. \$80,000 in CY 2020.

Replacement of HVAC system as the current system is aging and requires design - \$25,000 in CY 2020.

Additionally there is the need for the sidewalk replacement to provide continued safe and comfortable usage and to meet ADA accessibility standards. - \$25,000 over three years.

SENIOR CENTER

New Senior Center design and community approval efforts - \$200,000 in CY 2020. Subsequent construction is estimated in the following years.

Various improvements to the existing building will be required in the next several years if new construction is not approved:

Replace HVAC System in Multi-Purpose Room- The current system is becoming aged and requires replacement to provide comfortable and efficient operations.

2nd Floor Kitchen renovation - The current 2nd floor kitchen is outdated and does not meet the needs of our residents. The goal is to bring the kitchen up to health and safety standards; and to create a more relaxed comfortable eating experience for our senior community.

Elevator modernization - current elevator modernization is required in order to improve efficiency, reliability and public safety.

ADA ramp and door opener - Curb ramps are a critical element in allowing people with disabilities or our senior citizens to have full and complete access to the public right of way. This new ADA ramp and door opener will allow our residents to safely navigate and access our Sr. Center facilities.

Parking lots paving - The current parking lot shows signs of damage and it does not sufficiently meet the current needs of the staff and residents parking at the Sr. Center

Replace Windows at Social Services - windows are outdated and show evidence of deterioration due to age and weather elements. Replacing these windows with energy-efficient ones can reduce heating and cooling costs.

PUBLIC WORKS YARD

Construction - Town Yard Garage maintenance/replacement/culvert and structural improvements to plow garage- \$225,000 in CY 2020. The purpose of this project is to install a concrete culvert behind the highway garage. This will allow for the expansion of the highway garage and greater truck maneuvering around the existing highway facility.

EMS BUILDING

Site Construction reconfiguration and expansion design - \$50,000 in CY 2020. The proposed EMS facility expansion will be designed and operated so as to maintain and promote public health,

safety, and general welfare. EMS provides emergency services to those in need. In recent years, the Town has recognized the need for additional and modernized space in order to serve the needs of the Town. Subsequent construction is estimated in the following years.

TRANSFER STATION

Concrete Slab repair - \$45,000 in CY 2020. The concrete slab and subfloor on the commercial side of the Transfer Station has small cracks, hairline fractures moderate in nature. The structure is structurally sound but needs repairs to avoid further damage and avoid full replacement costs.

Generator - \$155,500 in CY 2020. This facility currently does not have a generator or sufficient backup power that would be necessary to keep the facility running in the event of a total power failure. The requested funds will be used to install a unit at the Transfer Station in order to avoid shut downs of this facility's operations.

TOWN WIDE

Town wide sidewalks - \$80,000 in CY 2020. Sidewalk surface conditions are making routes inaccessible, or dangerous to pedestrians. Sidewalk replacement and repairs are necessary and will cycle through the community, focusing on different neighborhoods over a number of years as repairs become necessary.

PARK IMPROVEMENTS

Twin Brooks Dredging construction Design - \$45,700. Design will be done in CY 2020 and construction in CY 2021. As with most of our ponds and waterways within the Parks System, this has been filled in significantly with storm water runoff creating large deltas of sand and debris.

Veteran's Center design is being requested at a cost of \$200,000 and construction funding is estimated at \$2,000,000 in a subsequent year. Inclusion in the capital plan will enable federal, state, and private grants to be pursued to fund the project

Paving and Drainage at Indian Ledge, Phase 1 - \$865,000 in CY 2020. Phases 2 through 4 will be done in subsequent years.

Paving and Drainage at various parks - \$500,000 at Twin Brooks in CY 2020. Unity Park, Twin Brooks and Old Mine/Counseling Center to be done over the subsequent 2 years.

The asphalt paved parking lots and roadways within Twin Brooks Park are well over thirty years old and are in need of replacement. The area is prone to flooding and flood damage has scoured away all of the original paving on the lower parking areas requiring costly annual patching with reclaimed millings to maintain a functioning parking lot. Uneven and broken pavement presents potential for trip and fall incidents in one of the town's most heavily utilized facilities.

Prior to repaving the lots, a full review of the drainage components will be conducted with appropriate repairs and renovations to the storm water drainage systems which are no longer functioning effectively. The underground culverts are in a significant state of decay and the storm drain head walls are deteriorating and no longer properly direct water flow resulting in a negative impact on the adjacent natural resources. This is a necessary infrastructure maintenance project to

improve the asset, and to ensure proper storm water management and public safety impacting park users and neighboring residents.

Tashua Pool – Design \$165,000 in CY 2020. Upgrades and renovations in the following year. Tashua Knolls pool has been on the five-year plan for a variety of repairs and upgrades over the last few years. This past spring the pool exhibited more significant problems requiring emergency repairs. In addition, the liner is over 17 years old and in need of replacement as are the remaining deck slabs which have settled, both of which have been scheduled for replacement in the 5-year plan.

Aquatics Facility design and surveys - \$200,000 in CY 2020 is being requested to assess potential locations for a facility and develop a conceptual design, and then construction funding is estimated for the following years.

Tennis/Pickleball Courts at Tashua and Unity – \$750,000 in CY 2020. Courts are reaching poor condition and will require replacement to assure safe playing conditions. Replacement of Tennis Courts at Tashua Courts 1 through 4 will be done in CY 2020. The remainder of the courts at Tashua, Island Brook Unity and Nothnagle will be done over the subsequent 3 years.

FLEET & EQUIPMENT

Highway and Parks equipment replacement

The Highway Department replaces equipment based on usage and condition. The vehicle may have rust and erosion due to road or work conditions that require replacement sooner than the recommended useful life. The general rule is to replace this equipment every 15 to 20 years.

EMS Ambulances/Sprinters. Replacement of sprinter \$120,000 in CY 2020. Ambulance-Box replacement of 1 each of the subsequent years.

Freightliner Snowplow/Sander - \$200,000 in FY 2020. Continue the replacement process of snowplows due to its usage and condition.

Hook Lift Truck - \$200,000 in CY 2020. Replacement needed due to usage and condition.

Trumbull Community Television – Requesting a replacement of a Tricaster System for live streaming at a cost of \$36,000 in CY 2020. This will be used to live stream town boards/commissions and other community meetings.

ECONOMIC DEVELOPMENT

Dunellen to trail and Whitney Avenue sidewalk design and construction. Design of \$84,000 in CY 2020 and construction in the subsequent years.

Bicycle and Pedestrian Master Plan to be designed and constructed in subsequent years.

Mall planning Study-Trumbull Mall/area/Southern Gateway Planning Study. Design of \$50,000 in CY 2020.

ENGINEERING

Town Wide Bridges- These project are being established to design the repairs identified by structure inspection of various bridges. Design in the amount of \$120,000 will be performed in CY 2020. Construction will be done over the next several years.

Old Dike Road - Phase 2 - \$356,234 -Roadway improvements/Design and construction projected to be done in CY 2020 and CY 2021. Inclusion in the capital plan will enable federal, state, and private grants to be pursued to fund the project.

Paving, culverts and sidewalks design and construction to various town roads. Design cost of \$162,100 included in CY 2020.

**CIP 2020 - 2024
Public Facilities**

TOWN HALL

TH
Sidewalks

Town Hall Sidewalk replacement estimates

Costs are estimated based on current bid for sidewalks and curing. The bid is for Board of Ed but the prices were used for estimation purposes. Costs were calculated as follows:

Estimated Linear footage x price per linear foot per bid# 6241.

Bid docs are attached.



Trumbull Town Hall
5866 Main Street
Trumbull, Connecticut 06611

Office of the Purchasing Agent
KEVIN J BOVA
Office: 203.452.5042
Fax: 203.452.5083

kbova@trumbull-ct.gov

June 1, 2017

Pub Fac # 4
TH Sidewalks bid
pricing

D & P CONSTRUCTION INC
29 ESSEX LANE
Trumbull CT, 06611

Attention: Livio Paniccia V.P.

Subject: Notice of AWARD

**RFP 6241 REMOVAL AND REPLACEMENT OF SIDEWALK AND CURBS
ON CALL UNIT PRICING**

The Town of Trumbull and the Board of Education has considered the Bid submitted by D & P CONSTRUCTION INC For the subject Services in response to its Advertisement for Bid 6241.

You are hereby notified that your Bid 6241 has been accepted as follows:

The Town of Trumbull and the Trumbull Board of Education Selects D & P CONSTRUCTION INC

as ONE of the Contractors for scope of the work described in BID 6241. The BOE and or the TOWN will select on an as needed bases. The bases of the selection will be lowest from the proposal page from the pricing structure as it pertains to each Job.

Per your Bid 6241 documentation, you may proceed or may be called upon from the Town of Trumbull or the BOE as needed for the next 3 years. This award letter is good for 3 years and valid until June 30 2021. Per your pricing in Bid 6241

Please acknowledge your receipt of this correspondence (via fax or email). You may contact BOE facilities director Mark Deming or myself.

Thank you for your interest in serving the Town of Trumbull

Kevin J Bova
Purchasing Agent

ACCEPTANCE OF NOTICE

Receipt of the above **NOTICE OF AWARD IS** hereby acknowledged by

Name (Print) Livio R. Paniccia This the

1st day of June 2017

By (signature) [Signature]

Title V.P.

**TOWN OF TOWN TRUMBULL
BID RESULTS**

Pub Fac # 5
TH Sidewalks bid
pricing

RESULTS for Bid 6241- -REMOVAL AND REPLACEMENT OF SIDEWALK AND CURBS ON CALL UNIT PRICING											
Request for Proposal-REMOVAL AND REPLACEMENT OF SIDEWALK AND CURBS											
RFP# 6241-DUE: May 24 ,2017 @ 2pm Bids Received											
PRICES → COMPANY ↓	1) Concrete curb only Per Linear ft	2. Concrete 5' sidewalks with monolithic - per sq ft	3. Concrete 6' sidewalks with monolithic per sq ft	4. Concrete sidewalk replace no curb per sq ft	5) Concrete ADA apron with tactile tiles per sq ft	6) Concrete ADA ramps for building egress per sq ft	7) Concrete Driveway Apron with flush curb per sq ft	8. Asphalt binder coat patching per sq ft	9) Annual Escalation		
RELIABLE EXCAVATING CO., INC	\$32.00	\$16.00	\$16.00	\$12.00	\$30.00	\$30.00	\$16.00	\$85.00	4.0%	100.00	\$237.00
CERILLI CONSTRUCTION	\$21.00	\$14.75	\$16.00	\$9.25	\$13.75	\$15.75	\$9.50	\$6.50	2.0%	100.00	\$106.50
PARK CITY CONSTRUCTION	\$13.50	\$15.00	\$16.00	\$7.75	\$24.00	\$14.00	\$12.50	\$2.00	3.0%	100.00	\$104.75
WILLIAM M LAYDON CONSTRUCTION	\$55.00	\$28.00	\$28.00	\$15.00	\$35.00	\$35.00	\$28.00	\$15.00	3.0%	100.00	\$239.00
LAYDON INDUSTRIES	\$38.00	\$13.50	\$13.50	\$10.00	\$40.00	\$55.14	\$20.00	\$10.00	3.0%	100.00	\$200.14
VAZ QUALITY WORKS LLC	\$22.00	\$12.00	\$13.00	\$8.00	\$15.00	\$12.00	\$12.00	\$6.00	2.0%	100.00	\$100.00
COLONNA CONCRETE & ASPHALT PAVING LLC	\$32.00	\$23.50	\$26.50	\$15.50	\$18.50	\$25.50	\$23.50	\$12.50	4.5%	100.00	\$177.50
M. RONDANO ,INC.	\$35.00	\$17.80	\$17.80	\$12.30	\$27.00	\$20.00	\$19.00	\$4.00	5.0%	100.00	\$152.90
STAR CONSTRUCTION CORP.	\$45.00	\$18.00	\$20.00	\$11.00	\$25.00	\$25.00	\$16.00	\$11.00	10.0%	100.00	\$171.00
G.PIC & SONS CONSTRUCTION CO.	\$30.00	\$12.50	\$13.00	\$10.00	\$15.00	\$15.00	\$15.00	\$3.00	5.0%	100.00	\$113.50
D&P CONSTRUCTION INC.	\$27.00	\$9.44	\$9.44	\$7.44	\$14.75	\$14.75	\$11.00	\$3.45	8.0%	100.00	\$97.27
RESOURCE SERVICE LLC	\$32.00	\$15.00	\$15.00	\$10.00	\$25.00	\$22.00	\$14.00	\$6.00	10.0%	100.00	\$139.00

Kevin J Bova Purchasing Agent
May 24, 2017 @ 2PM

TH-HVAC System



1180 STRATFORD ROAD
STRATFORD, CT 06615
203.334.3419
203.333.3934 FAX
WWW.MAINHVAC.COM

Pub. Fac. # 6

Trumbull Town Hall

Current System

6 - Trane RTU's 1 thru 6

1 - Split System AHU 7

Unity wireless BMS

55 - Volume dampers with two position actuators

11 - Bypass dampers

BMS cycles RTU's and Split System for heating and cooling. Local thermostats control volume dampers open for cooling closed for heat. Volume dampers are not currently modulating they are open or closed. Bypass dampers are controlled to maintain static. RTU 2 serving the Court room is constant volume.

Recommendations

1

- Replace Unity wireless BMS with wired Honeywell WEBS Tridium based BMS all systems
- Replace 55 volume dampers with VAV boxes (add electric reheat to perimeter if sufficient power is available in building).
- Repair 11 bypass dampers and replace actuators.
- Perform full maintenance on all RTU's and Split System to verify proper operation.

- Perform Air Balancing on all building systems and diffusers. **Budget \$238,000**

Added estimated \$25,000 for consulting services to get plans and schematic design for bid request.

- Replace Unity wireless BMS with wired Honeywell WEBS Tridium based BMS all systems.
- Replace actuators with modulating on 55 volume dampers and make repairs as necessary.
- Replace actuators on 11 Bypass dampers and make repairs.
- Perform full maintenance on all RTU's and Split System to verify proper operation.
- Perform Air Balancing on all building systems and diffusers.

Budget \$204,000

3

- Provide and install Honeywell WEBS Tridium based BMS to accommodate phasing of equipment change over from current Unity wireless BMS to wired Tridium BMS.

Budget \$18,000**4**

- Replace Unity wireless BMS for RTU 6 system with wired Tridium BMS.
- Replace 14 volume dampers with VAV boxes (add electric reheat to perimeter if sufficient power is available in building).
- Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 6 to verify proper operation.
- Perform Air balancing on RTU 6 and related diffusers. **Budget \$50,000**

5

- Replace Unity wireless BMS for RTU 5 system with wired Tridium BMS.
- Replace 8 volume dampers with VAV boxes (add electric reheat to perimeter if sufficient power is available in building).
- Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 5 to verify proper operation.
- Perform Air balancing on RTU 5 and related diffusers. **Budget \$32,800**

6

- Replace Unity wireless BMS for RTU 4 system with wired Tridium BMS.
- Replace 13 volume dampers with VAV boxes (add electric reheat to perimeter if sufficient power is available in building).
- Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 4 to verify proper operation.
- Perform Air balancing on RTU 4 and related diffusers.

Budget \$43,500

7

- Replace Unity wireless BMS for RTU 3 system with wired Tridium BMS.
- Replace 8 volume dampers with VAV boxes (add electric reheat to perimeter if sufficient power is available in building).
- Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 3 to verify proper operation.
- Perform Air balancing on RTU 3 and related diffusers. **Budget \$33,000**

8

- Replace Unity wireless BMS for RTU 1 system with wired Tridium BMS.
- Replace 5 volume dampers with VAV boxes (add electric reheat to perimeter if sufficient power is available in building).
- Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 1 to verify proper operation.
- Perform Air balancing on RTU 1 and related diffusers. **Budget \$26,000**

9

- Replace Unity wireless BMS for AHU 7 system with wired Tridium BMS.
- Replace 7 volume dampers with VAV boxes (add electric reheat to perimeter if sufficient power is available in building).
- Repair Bypass damper and replace actuator.
- Perform full maintenance on AHU 7 to verify proper operation.
- Perform Air balancing on AHU 7 and related diffusers. **Budget \$30,000**

10

- Replace Unity wireless BMS for RTU 6 system with wired Tridium BMS.
- Repair 14 volume dampers and replace actuators with modulating.
- Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 6 to verify proper operation.
- Perform Air balancing on RTU 6 and related diffusers.

Budget \$38,000

11

- Replace Unity wireless BMS for RTU 5 system with wired Tridium BMS.
- Repair 8 volume dampers and replace actuators with modulating.
- Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 5 to verify proper operation.
- Perform Air balancing on RTU 5 and related diffusers. **Budget \$29,000**

12

- Replace Unity wireless BMS for RTU 4 system with wired Tridium BMS. •
 - Repair 13 volume dampers and replace actuators with modulating
 - Repair 2 Bypass dampers and replace actuators.
 - Perform full maintenance on RTU 4 to verify proper operation.
 - Perform Air balancing on RTU 4 and related diffusers.
- Budget \$39,500**

13

- Replace Unity wireless BMS for RTU 3 system with wired Tridium BMS.
- Repair 8 volume dampers and replace actuators with modulating •
- Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 3 to verify proper operation.
- Perform Air balancing on RTU 3 and related diffusers. **Budget \$29,500**

14

- Replace Unity wireless BMS for RTU 1 system with wired Tridium BMS.
 - Repair 5 volume dampers and replace actuators with modulating • Repair 2 Bypass dampers and replace actuators.
 - Perform full maintenance on RTU 1 to verify proper operation.
 - Perform Air balancing on RTU 1 and related diffusers.
- Budget \$23,500**

15

- Replace Unity wireless BMS for AHU 7 system with wired Tridium BMS.
 - Repair 7 volume dampers and replace actuators with modulating.
 - Repair 1 Bypass damper and replace actuator.
 - Perform full maintenance on AHU 7 to verify proper operation.
 - Perform Air balancing on AHU 7 and related diffusers.
- Budget \$25,500**

16

Pub. Fac. # 6

- Replace Unity wireless BMS for RTU 2 with wired Tridium BMS.
- Perform full maintenance on RTU 2 to verify proper operation.
- Perform Air balancing on RTU 2 and related diffusers.

Budget \$8,500

Summary

The bulk of the calls for the Town Hall are related to the Unity BMS. Communication issues seem to be the most common occurrence. Our recommendation is to upgrade with Honeywell WEBS Tridium based web server based BMS.

**Public Facilities
CY 2020
Funding Request
Support Documents**

**Public Facilities
CY2020
Town Hall Sidewalks**

Town Hall Sidewalk replacement estimates

Costs are estimated based on current bid for sidewalks and curing. The bid is for Board of Ed but the prices were used for estimation purposes. Costs were calculated as follows:

Estimated Linear footage x price per linear foot per bid# 6241.

Bid docs are attached.



Trumbull Town Hall
5866 Main Street
Trumbull, Connecticut 06611

Office of the Purchasing Agent
KEVIN J BOVA
Office: 203 452 5042
Fax: 203 452 5083

kbova@trumbull-ct.gov

June 1, 2017

Pub Fac # 1
TH Sidewalks bid
pricing

D & P CONSTRUCTION INC
29 ESSEX LANE
Trumbull CT, 06611

Attention: Livio Paniccia V.P.

Subject: Notice of AWARD

**RFP 6241 REMOVAL AND REPLACEMENT OF SIDEWALK AND CURBS
ON CALL UNIT PRICING**

The Town of Trumbull and the Board of Education has considered the Bid submitted by D & P CONSTRUCTION INC For the subject Services in response to its Advertisement for Bid 6241.

You are hereby notified that your Bid 6241 has been accepted as follows:

The Town of Trumbull and the Trumbull Board of Education Selects D & P CONSTRUCTION INC

as **ONE** of the Contractors for scope of the work described in BID 6241. The BOE and or the TOWN will select on an as needed bases. The bases of the selection will be lowest from the proposal page from the pricing structure as it pertains to each Job.

Per your Bid 6241 documentation, you may proceed or may be called upon from the Town of Trumbull or the BOE as needed for the next 3 years. This award letter is good for 3 years and valid until June 30 2021. Per your pricing in Bid 6241

Please acknowledge your receipt of this correspondence (via fax or email). You may contact BOE facilities director Mark Deming or myself.

Thank you for your interest in serving the Town of Trumbull

Kevin J Bova
Purchasing Agent

ACCEPTANCE OF NOTICE

Receipt of the above **NOTICE OF AWARD IS** hereby acknowledged by

Name (Print) Livio R. Paniccia This the

1st day of June 2017

By (signature) [Signature]

Title VP

**TOWN OF TOWN TRUMBULL
BID RESULTS**

Pub Fac # 1
TH Sidewalks bid
pricing

RESULTS for Bid 6241- -REMOVAL AND REPLACEMENT OF SIDEWALK AND CURBS ON CALL UNIT PRICING											
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Kevin J Bova Purchasing Agent
May 24, 2017 @ 2PM

**Public Facilities
CY 2020
Town Hall HVAC**



1180 STRATFORD ROAD
STRATFORD, CT 06615
203.334.3419
203.333.3934 FAX
WWW.MAINHVAC.COM

Pub Fac # 3
TH - HVAC replacement

Trumbull Town Hall

Current System

6 - Trane RTU's 1 thru 6

1 - Split System AHU 7

Unity wireless BMS

55 - Volume dampers with two position actuators

11 - Bypass dampers

BMS cycles RTU's and Split System for heating and cooling. Local thermostats control volume dampers open for cooling closed for heat. Volume dampers are not currently modulating they are open or closed. Bypass dampers are controlled to maintain static. RTU 2 serving the Court room is constant volume.

Recommendations

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- Replace Unity wireless BMS with wired Honeywell WEBS Tridium based BMS all systems
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- Repair 11 bypass dampers and replace actuators.
- Perform full maintenance on all RTU's and Split System to verify proper operation.

• Perform Air Balancing on all building systems and diffusers. **Budget \$238,000**

Requesting \$30,000 for design only in CY2020

2

- Replace Unity wireless BMS with wired Honeywell WEBS Tridium based BMS all systems.
- Replace actuators with modulating on 55 volume dampers and make repairs as necessary.
- Replace actuators on 11 Bypass dampers and make repairs.
- Perform full maintenance on all RTU's and Split System to verify proper operation.
- Perform Air Balancing on all building systems and diffusers.

Budget \$204,000

Pub Fac # 3
TH - HVAC replacement

3

- Provide and install Honeywell WEBS Tridium based BMS to accommodate phasing of equipment change over from current Unity wireless BMS to wired Tridium BMS.

Budget \$18,000

4

- Replace Unity wireless BMS for RTU 6 system with wired Tridium BMS.
- Replace 14 volume dampers with VAV boxes (add electric reheat to perimeter if sufficient power is available in building).
- Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 6 to verify proper operation.
- Perform Air balancing on RTU 6 and related diffusers. **Budget \$50,000**

5

- Replace Unity wireless BMS for RTU 5 system with wired Tridium BMS.
- Replace 8 volume dampers with VAV boxes (add electric reheat to perimeter if sufficient power is available in building).
- Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 5 to verify proper operation.
- Perform Air balancing on RTU 5 and related diffusers. **Budget \$32,800**

6

- Replace Unity wireless BMS for RTU 4 system with wired Tridium BMS.
- Replace 13 volume dampers with VAV boxes (add electric reheat to perimeter if sufficient power is available in building).
- Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 4 to verify proper operation.
- Perform Air balancing on RTU 4 and related diffusers.

Budget \$43,500

7

- Replace Unity wireless BMS for RTU 3 system with wired Tridium BMS.
- Replace 8 volume dampers with VAV boxes (add electric reheat to perimeter if sufficient power is available in building).
- Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 3 to verify proper operation.
- Perform Air balancing on RTU 3 and related diffusers. **Budget \$33,000**

8

- Replace Unity wireless BMS for RTU 1 system with wired Tridium BMS.
- Replace 5 volume dampers with VAV boxes (add electric reheat to perimeter if sufficient power is available in building).
- Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 1 to verify proper operation.
- Perform Air balancing on RTU 1 and related diffusers. **Budget \$26,000**

9

- Replace Unity wireless BMS for AHU 7 system with wired Tridium BMS.
- Replace 7 volume dampers with VAV boxes (add electric reheat to perimeter if sufficient power is available in building).
- Repair Bypass damper and replace actuator.
- Perform full maintenance on AHU 7 to verify proper operation.
- Perform Air balancing on AHU 7 and related diffusers. **Budget \$30,000**

10

- Replace Unity wireless BMS for RTU 6 system with wired Tridium BMS.
- Repair 14 volume dampers and replace actuators with modulating.
- Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 6 to verify proper operation.
- Perform Air balancing on RTU 6 and related diffusers.

Budget \$38,000

11

- Replace Unity wireless BMS for RTU 5 system with wired Tridium BMS.
- Repair 8 volume dampers and replace actuators with modulating.
- Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 5 to verify proper operation.
- Perform Air balancing on RTU 5 and related diffusers. **Budget \$29,000**

12

- Replace Unity wireless BMS for RTU 4 system with wired Tridium BMS. •
Repair 13 volume dampers and replace actuators with modulating
 - Repair 2 Bypass dampers and replace actuators.
 - Perform full maintenance on RTU 4 to verify proper operation.
 - Perform Air balancing on RTU 4 and related diffusers.
- Budget \$39,500**

13

- Replace Unity wireless BMS for RTU 3 system with wired Tridium BMS.
- Repair 8 volume dampers and replace actuators with modulating •
Repair 2 Bypass dampers and replace actuators.
- Perform full maintenance on RTU 3 to verify proper operation.
- Perform Air balancing on RTU 3 and related diffusers. **Budget \$29,500**

14

- Replace Unity wireless BMS for RTU 1 system with wired Tridium BMS.
 - Repair 5 volume dampers and replace actuators with modulating • Repair 2
Bypass dampers and replace actuators.
 - Perform full maintenance on RTU 1 to verify proper operation.
 - Perform Air balancing on RTU 1 and related diffusers.
- Budget \$23,500**

15

- Replace Unity wireless BMS for AHU 7 system with wired Tridium BMS.
 - Repair 7 volume dampers and replace actuators with modulating.
 - Repair 1 Bypass damper and replace actuator.
 - Perform full maintenance on AHU 7 to verify proper operation.
 - Perform Air balancing on AHU 7 and related diffusers.
- Budget \$25,500**

16

- Replace Unity wireless BMS for RTU 2 with wired Tridium BMS.
- Perform full maintenance on RTU 2 to verify proper operation.
- Perform Air balancing on RTU 2 and related diffusers.

Budget \$8,500

Summary

The bulk of the calls for the Town Hall are related to the Unity BMS. Communication issues seem to be the most common occurrence. Our recommendation is to upgrade with Honeywell WEBS Tridium based web server based BMS.

**Public Facilities
CY 2020
Public Works Culvert**

Pub Fac # 4
PW Culvert

Tighe & Bond

Engineers | Environmental Specialists

Preliminary Opinion of Probable Cost for the Construction of

Prep'd Date 02/22/18 By TAS
 Ch'kd Date 02/22/18 By AJM
 Re'vd Date 07/10/19 By TS
 Town of Trumbull, CT
 Funds _____
 Town No. _____
 Project No. 29-0196-102
 Sheet No. 1 of 1

Project Description Trumbull DPW Highway Culvert
Culvert Replacement, Trumbull, CT

No.	Item	Unit	Quantity	Price	Amount
0202001	Earth Excavation	CY	300	\$40	\$12,000
0202101	Rock Excavation	CY	40	\$200	\$8,000
	Removal of Existing Culverts	LS	1	\$10,000	\$10,000
	Water Handling System	LS	1	\$25,000	\$25,000
	Soil Erosion Control	LS	1	\$15,000	\$15,000
0212001	Subbase Material	CY	130	\$30	\$3,900
0406170	HMA, Class 1	Ton	300	\$100	\$30,000
0406171	HMA, Class 2	Ton	300	\$100	\$30,000
0406236	Material for Tack Coat	Gal	100	\$10	\$1,000
	2.5' x 5' RC Box Culvert	LF	223	\$600	\$133,800
	Precast Wing Walls	Each	2	\$20,000	\$40,000
0507001	Type "C-L" Catch Basin	Each	1	\$3,500	\$3,500
0507781	Reset Manhole	Each	1	\$500	\$500
0651746	15" PVC - Storm Drainage	LF	25	\$75	\$1,875
0703001	Rip-Rap Slope	CY	30	\$75	\$2,250
0811002A	Bituminous Concrete Curb	LF	250	\$5	\$1,250
	Subtotal				\$318,075
0201001	Clearing and Grubbing (3%)	LS	1	\$9,542	\$9,542
0971001	Maintenance and Protection of Traffic	LS	1	\$5,000	\$5,000
	Subtotal				332,617
20%	Contingencies				66,523
	CONSTRUCTION SUBTOTAL				399,141
5.0%	Engineering Design, Construction Docs and Bidding				19,957
1.5%	Construction Administration				5,987
6.0%	Construction Observation				23,948
	PROJECT TOTAL				449,100

Split \$450,000 into two years CY2020 & CY2021
 CY 2020 Request = \$225,000

**Public Facilities
CY 2020
EMS**



DECARLO
& DOLL, INC.

ARCHITECTS
ENGINEERS
SURVEYORS
PLANNERS
CONSTRUCTION
MANAGERS

Pub Fac # 5
EMS Reconfiguration/
Expansion
DESIGN ONLY

September 23, 2016

Mr. John Marsilio
Public Works Director
Trumbull Public Works Department
366 Church Hill Street
Trumbull, CT 06611

RE: Emergency Medical Services Building - Preliminary Project Cost Estimate

Dear Mr. Marsilio,

Per your request, attached are Preliminary Project Costs Budget Estimate for the Proposed EMS Building Renovation, Addition and Site Improvements.

To date, we have not performed Feasibility Studies or Programming, therefore, the cost estimates attached are ballpark numbers, strictly for the Town's Preliminary Budget purposes.

Our cost assumptions are based on the following:

1. The Existing Facility is 5000 SF (Fact)
2. Existing Facility would require 67% or 3,300 SF of Upgrades and Renovations.
4. New addition would be a separate and detached One Story Building on same site.
This New Addition would be limited to 2500 SF.
5. Other Site Costs and Professional Fees are also Preliminary Budget Estimates based on similar projects.

Please contact us at your earliest convenience should you have any questions. We look forward to continuing our professional relationship with you and the Town of Trumbull.

Very truly yours,
DeCARLO & DOLL, Inc.

Emanuel Machado
Sr. Project Manager

Cc: Ron Nault
Allen White
File



Pub Fac # 5 EMS Reconfiguration/ Expansion DESIGN ONLY

Emergency Medical Services Preliminary Project Cost Budget Estimate

1.0	SITE IMPROVEMENTS.....	\$125,000.00
2.0	UTILITIES / STORM DRAINAGE.....	\$50,000.00
3.0	RENOVATIONS at EXISTING FACILITY (3,300 SF – Does not include existing garage area)	\$495,000.00
4.0	NEW 2,500 sf ADDITION (of similar Construction Type).....	\$625,000.00
5.0	FURNITURE, FURNISHINGS and EQUIPMENT.....	\$80,000.00
6.0	DATA, TELCOM, SPECIALIZED COMMUNICATIONS EQUIPT.....	\$70,000.00
7.0	PROFESSIONAL FEES / OTHER OWNER COSTS.....	\$175,000.00
<hr/>		
	ESTIMATED PROJECT SUBTOTAL	\$1,620,000.00
8.0	CONTINGENCIES (10% of SUBTOTAL ABOVE).....	\$162,000.00
	ESTIMATED PROJECT COSTS TOTAL.....	\$1,782,000.00

Requesting funds for design only CY2020 = \$50,000

**Public Facilities
CY 2020
Transfer Station (TEAM
funding)**

December 1, 2017

Mr. Allen E. White
Director of Facilities
Town of Trumbull
5866 Main Street
Trumbull, CT 06611

Pub Fac # 6 -7
Transfer Station

ESTIMATES ARE FROM 2017 INCREASED FOR CY 2020

Re: Construction Budgets & A/E Budgets FUNDING REQUEST
for first quarter 2018 Projects

Dear Mr. White:

Per your request, we are presenting construction cost estimates and architectural / engineering fees for the following projects:

Helen Plumb Building – Window Replacements & Siding Repairs

Construction Estimate: \$76,000 + A/E Fee: \$14,800

Transfer Station – Concrete Slab Repairs #6

Construction Estimate: \$22,000 + A/E Fee: \$9,400

Transfer Station – New Generator #7

Construction Estimate: \$125,000 + A/E Fee: \$13,800

DPW Building #6 – Siding Replacement

Construction Estimate: \$68,000 + A/E Fee: \$13,200

DPW Building #6 – New Exit Stair

Construction Estimate: \$62,000 + A/E Fee: \$17,500

DPW Garage – Shingle Roof Replacement

Construction Estimate: \$48,000 + A/E Fee: \$10,500

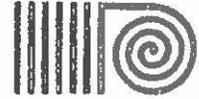
Senior Center – Elevator Modernization

Construction Estimate: \$215,000 + A/E Fee: \$18,800

Thank you for the opportunity to provide you with these estimates.
Please call me if you have any questions. We look forward to
working with you on these projects.

Sincerely,
ANTINOZZI ASSOCIATES, P.C.

Paul A. Lisi, AIA
Principal / Project Manager



ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

271 Fairfield Avenue
Bridgeport, Connecticut 06604

t 203.377.1300 f 203.378.3002

301 Merritt 7
Norwalk, Connecticut 06851

t 203.956.5460

www.antinozzi.com

197K
32K
140K
181K
179K
159K
234K

**Public Facilities
CY 2020
Townwide**

Parks
CY2020
Funding Request

**Parks CY 2020
Twin Brooks Dredging**

29-0196-0A-P148
September 24, 2019

Mr. William C. Maurer, PE, LS, CFM
Town of Trumbull
5866 Main Street
Trumbull, Connecticut 06611

Parks #1 Twin Brooks Dredging

Re: **Proposal for Engineering Services
Twin Brooks Park Dredging Permitting Services**

Dear Mr. Maurer:

At your request, Tighe & Bond has prepared this proposal for engineering services to develop dredging plans for Ponds 1 and 6 at Twin Brooks Park, and prepare a submission to the Connecticut Department of Energy and Environmental Protection (CTDEEP) for a 401 Water Quality Certification and to the U.S. Army Corps of Engineers for an Individual Permit.

Pond 1 lies within Booth Hill Brook, its discharge location approximately 600 feet north of White Plains Road. Pond 1 is approximately 4.9 acres. Most of the pond is within Town property, except for the eastern shoreline, which is private property. Pond 6 lies entirely within the park, which is all Town property, and is immediately downstream of the upper intake culvert from Booth Hill Brook, encompassing approximately 1.1 acres. We have assumed the Town will provide supplemental surveying services as needed.

We anticipate this work will be eligible as a Pre-Construction Notification under General Permit #7 of the USACE Connecticut General Permit, and an Individual 401 Water Quality Certification from CTDEEP.

Scope of Services

1. Meet with the Town to discuss disposal and stockpile areas.
2. Determine the quantity of material to be dredged from each pond.
3. A Tighe & Bond Wetland Scientist will visit the site to assess the wetland functions and values around Pond 1, and to update previous assessments done for Pond 6. Wetlands around Pond 1 would be flagged.
4. Develop a dredging plan for each pond, detailing the sequence of operation and dewatering areas. We would develop approximately three phases for each pond.
5. Prepare a sampling plan for each pond, identifying methodology, parameters, and number of samples. We would obtain 20 ex-situ samples for full waste characterization for ETPH, SVOCs, PCBs, Total RCRA 8 Metals, TCLP RCRA 8 Metals, Pesticides, Flashpoint, pH, and Reactivity Cyanide/Sulfide.
6. Develop detailed sediment and erosion control drawings for the proposed work, including construction sequence and water handling.
7. Prepare the USACE application for a Pre-Construction Notification, including

Parks #1 Twin Brooks Dredging

- a. ENG Form 4345
 - b. Executive Summary
 - c. USGS Quadrangle Map
 - d. Description of Proposed Activity
 - e. Environmental Report
 - f. Alternatives Assessment
 - g. Mitigation Plan
 - h. Property Abutters
 - i. Disposal Plan
8. Prepare the CTDEEP permit for the Individual 401 Water Quality Certification, which includes the elements above, and:
- a. Engineering Report Documentation
 - b. Flood Contingency Plan
 - c. Soils Report
9. Prepare responses to CTDEEP and USACE written comments. We have assumed that the comments would be limited to adding additional details to the application materials without changes to the plans other than clarifying notes.

Assumptions and Exclusions

In order to provide you with as specific and defined scope as possible, the following assumptions and exclusions apply:

- 1. The June 2019 CTDEEP Natural Diversity Data Base (NDDDB) Map for Trumbull does not indicate any species of concern or critical habitats in the project area, therefore NDDB services are excluded.
- 2. All application fees are excluded.
- 3. Meetings with USACE in Concord Massachusetts or CTDEEP in Hartford are excluded.
- 4. Construction documents, bidding and construction services are excluded.

Fee

Tighe & Bond will perform these services on a time and expense basis in accordance with Bid # 6227. Based on the scope of work described above, we recommend an initial budget of \$ 45,700, including laboratory expenses.

Services performed by subcontractors, materials purchased directly for this project, and permitting fees will be invoiced at cost plus ten percent. In the event that the scope of work



Parks #1
Twin Brooks
Dredging

Tighe&Bond

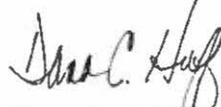
is increased for any reason, the limiting fee to complete the work shall be mutually revised by written amendment.

We greatly appreciate the opportunity to continue providing services to the Town. If you should have any questions, please contact Fred at (203) 712-1123 (ajmascia@tighebond.com) or Dana at (203) 712-1122 (dchuff@tighebond.com).

Very truly yours,
TIGHE & BOND, INC.



Alfred J. Mascia, Jr, PE
Senior Project Manager



Dana C. Huff, PE
Vice President

J:\T\T0196\148_Twin Brooks - Ponds Dredging\Proposal\T0196-P148 2019_09-24 Proposal .Docx



Parks #1 - Twin Brooks Dredging



Town of Trumbull RFP # 6227, dated 4-4-2017 Engineering Services

Mileage 0.54
Markup 10%

Project: Twin Brooks Pond Dredging Date: 24-Sep-19

Description of Work	DESIGN								CONSTRUCTION ADMINISTRATION						CADD SERVICES			Total Hours Total Cost
	Principal	Principal Project Manager	Project Manager	Project Engineer	Assistant Engineer	Technician	Draftsperson	Clerical	Construction Manager	Assistant Manager	Chief Inspector	Inspector	Draftsperson	Clerical	CADD Engineer	CADD Operator/Technician	CADD Manager	
Rate	\$180	\$180	\$150	\$140	\$100	\$75	\$100	\$80	\$145	\$130	\$145	\$100	\$100	\$80	\$100	\$80	\$135	
Design/Study																		
1. Meet with Town		3																3
2. Calculate dredging quantity		1			4													5
3. Wetland Scientist		1			16		2											19
4. Dredging Plan		6		20			12											38
5. Sampling Plan + Ex-Situ Sampling		8		16	40		4											68
6. Sediment and Erosion Control Plans		4		8			4											16
7. USACE Application		6		12	12		4											34
8. CTDEEP Application		6		12	12		4											34
9. Comment responses		8		8	8		4											26
QA-QC task	2																	2
task																		0
task																		0
Subtotal Hrs.	2	43	0	76	92	0	34	0	0	0	0	0	0	0	0	0	0	247
Subtotal Labor Fee	\$360	\$7,740	\$0	\$10,640	\$9,200	\$0	\$3,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,340

CONSTRUCTION ADMINISTRATION																		
task																		0
task																		0
task																		0
task																		0
task																		0
task																		0
Subtotal Hrs.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Labor Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SUBCONTRACTORS AND EXPENSES	2-Man Crew	Draftsperson	Professional Land Surveyor					Miles	Mileage @	Parking and Tolls	Reproduction	Supplies	Overnight Shipping	Outside Services	Consultant Direct Cost	Outside Services & Consultant With 10% Markup	TOTAL Reimbursables Expenses
									0.54 per mile								
									\$0					\$13,000		\$14,300	\$14,300
									\$0							\$0	\$0
									\$0							\$0	\$0
									\$0							\$0	\$0
									\$0							\$0	\$0
Subtotal Subs and Expenses	\$ -	\$ -	\$ -					0	\$0	\$0	\$0	\$0	\$0	\$13,000		\$	14,300

TOTAL ESTIMATED PROJECT COST	\$45,640
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**Parks CY2020
IL paving phase 1**

Parks CY 2020
Twin Brooks Paving

Parks # 3
Twin Brooks paving
Split into 3 phases

2019

Construction Cost Estimate
Twin Brooks Park, Trumbull, CT

Major and Minor Contract Items

Item No.	Item	Unit	Quantity	Unit \$	Total Cost
1	Dredge Existing Pond	CY	30	\$200.00	\$ 6,000.00
2	Earth Excavation	CY	3,696	\$18.00	\$ 66,528.00
3	Trench Excavation for Storm Drains	CY	394	\$25.00	\$ 9,850.00
4	Remove Existing Pavement	SY	6,142	\$6.00	\$ 36,852.00
5	Processed Aggregate	CY	304	\$65.00	\$ 19,760.00
6	Rolled Gravel Subbase	CY	1077	\$45.00	\$ 48,465.00
7	Gradular Fill	CY	25	\$60.00	\$ 1,500.00
8	Wooden Flash Boards	LF	30	\$10.00	\$ 300.00
9	Utility Relocation	LS	1	\$30,000.00	\$ 30,000.00
10	Formation of Subgrade	SY	5700	\$2.00	\$ 11,400.00
11	Remove Existing Trees	Ea	28	\$500.00	\$ 14,000.00
12	Concrete for Endwalls and Headwalls	CY	78	\$1,000.00	\$ 78,000.00
13	Precast Endwall	Ea	3	\$3,000.00	\$ 9,000.00
14	Concrete Park Curb	LF	1150	\$28.00	\$ 32,200.00
15	3' x 3' Concrete Box Culvert	LF	149	\$1,250.00	\$ 186,250.00
16	Sawcut Exist. Pavement	LF	66	\$2.00	\$ 132.00
17	Bituminous Concrete - HMA S0.25	ton	129	\$125.00	\$ 16,093.67
18	Bituminous Concrete - HMA S0.375	ton	154	\$135.00	\$ 20,857.40
19	Bituminous Concrete - HMA S0.5	ton	438	\$115.00	\$ 50,381.62
20	Bituminous Concrete - HMA S1.0	ton	438	\$125.00	\$ 54,762.63
21	Gabion Wall	CY	162	\$250.00	\$ 40,500.00
22	Geotextile, Nonwoven	SY	270	\$4.00	\$ 1,080.00
23	Outlet Control Structure	Ea	4	\$30,000.00	\$ 120,000.00
24	Reinforced Turf	SY	180	\$10.00	\$ 1,800.00
25	Remove Existing 24" RCP	LF	99	\$30.00	\$ 2,970.00
26	White Epoxy Pavement Markings, Symbols and Legends	SF	428	\$4.50	\$ 1,926.00
27	Sign Face - Aluminum	SF	20	\$40.00	\$ 800.00
28	Timber Gulderail	LF	586	\$60.00	\$ 35,160.00
29	Natural Streambed Material in Culvert	CY	17	\$110.00	\$ 1,870.00
30	Rock Weir	LF	28	\$40.00	\$ 1,120.00
31	Type "CI" Catch Basin	Ea.	4	\$3,000.00	\$ 12,000.00
32	30" RCP	LF	38	\$100.00	\$ 3,800.00
33	24" RCP	LF	128	\$75.00	\$ 9,600.00
34	Plug Existing Pipe	Ea.	1	\$500.00	\$ 500.00
35	12" Class V RCP	LF	442	\$55.00	\$ 24,310.00
36	Straw Wattle	LF	100	\$3.00	\$ 300.00
37	Silt Sack	Ea.	5	\$150.00	\$ 750.00
38	Geotextile Silt Fence	LF	6,000	\$3.00	\$ 18,000.00
39	Haybale Barrier	LF	3000	\$2.50	\$ 7,500.00
40	Construction Entrance	SY	489	\$30.00	\$ 14,666.67
41	Cofferdam	LF	320	\$400.00	\$ 128,000.00
42	Erosion Control Blanket	SY	1800	\$5.00	\$ 9,000.00
43	Topsoil & Seeding	SY	20920	\$5.00	\$ 104,600.00
44	Shadblow	Ea.	16	\$200.00	\$ 3,200.00
45	Acer Rubrum 'October Glory'	Ea.	12	\$475.00	\$ 5,700.00
46	Sedge	Ea.	5000	\$11.00	\$ 55,000.00
47	Chokeberry	Ea.	120	\$55.00	\$ 6,600.00
48	Heritage Birch Clumps	Ea.	20	\$320.00	\$ 6,400.00
49	Ilex Verticillata 'Little Goblin Red'	Ea.	240	\$70.00	\$ 16,800.00
50	Ilex Verticillata 'Little Goblin Guy'	Ea.	60	\$70.00	\$ 4,200.00
A	Major Items Subtotal				\$ 1,330,485
B	Minor Items Subtotal	10	% of Line "A"		\$ 133,048
C	Major and Minor Contract Items Subtotal (A + B)				\$ 1,463,533

Other Item Allowances

Construction Cost Estimate
Twin Brooks Park, Trumbull, CT

Parks # 3
Twin Brooks paving
Split into 3 phases

7/9/2019

Major and Minor Contract Items

Item No.	Item	Unit	Quantity	Unit \$	Total Cost
	Clearing and Grubbing	5	% of Line "C"		\$ 73,177
	M & P of Traffic	6	% of Line "C"		\$ 87,812
	Mobilization	7.5	% of Line "C"		\$ 109,765
	Construction Staking	2.5	% of Line "C"		\$ 36,588
D	Other Items Subtotal				\$ 307,342
E	CONTRACT SUBTOTAL (C + D)				\$ 1,770,875

Inflation Costs (Simple Method)

Date of Estimate	Jul-19
Anticipated Bid Date	Jan-21
Annual Inflation	4%
F Inflation Subtotal	6.0% of Line "E"
	\$ 106,252

G TOTAL CONTRACT COST ESTIMATE (E + F) (Rounded to nearest \$1000)		\$ 1,877,000
---------------------------------------------------------------------------	--	---------------------

Split into 3 yrs
yr1 = \$500,000
yr 2 = \$50,000
yr 3 = \$877,000



LOTCIP Project Costs Summary

Contract Cost Estimate (Line "G")		\$ 1,877,000
Contingencies	10%	\$ 187,700
Incidentals	10%	\$ 187,700
Construction Documents	6%	\$ 112,620
Construction Administration & Observation	10%	\$ 187,700
TOTAL PROJECT COST		\$ 2,552,720

CTDOT FUNDING COMMITMENT (DATE)	\$ -
----------------------------------------	-------------

DIFFERENCE #DIV/0!

"This is an engineer's Opinion of probable Construction Cost (OPCC). Tighe & Bond has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the estimates of probable construction costs are made on the basis of the Tighe & Bond's professional judgment and experience. Tighe & Bond makes no guarantee nor warranty, expressed or implied, that the bids or the negotiated cost of the Work will not vary from this estimate of the Probable Construction Cost."

Parks CY 2020
Tashua Pool

Tashua Knolls Pool Repair

Tashua Knolls pool has been on the five year plan for a variety of repairs and upgrades over the last few years.

This past spring the pool exhibited more significant problems requiring emergency repairs.

At that time a fuller indication of the issues in play were made apparent and it was determined the best course of action was to set up temporary measures with the intention of getting the pool operational for the season.

In order to remediate the under slab plumbing failures will entail the removal of large portions of the deck space and excavation.

The gutters are no longer properly anchored to the shell and also would need to be excavated out before a permanent fix could be made

In addition, the liner is over 17 years old and in need of replacement as are the remaining deck slabs which have settled both of which have been scheduled for replacement in the 5 year plan.

The Toddler Pool has years ago has had significant failure both in its concrete shell and is breaking apart and its filters have been reworked to keep them operational with significant effort.

The invasive nature of all of this work requires a fresh look at what is merely urgent and look at what during this process should be replaced as a precaution do to the highly likelihood of failure in the coming years due to the cost associated in opening up the pool again.

At the present time we are still acquiring solid pricing for all items listed, however some known costs from a number of recent projects have been utilized for a base line cost for potential budgeting have been used as a place holder.

Concrete Slab replacement @ 30,000 sq.ft:	\$ 270,000
Liner	\$ 180,000
Gutters at \$300 per linear foot	\$ 105,000
Replacement Filter and Pumps	\$ 200,000
Pump House OSHA compliance	\$ 250,000
Kiddie Pool Pad	\$ 300,000
Shade Canopies	\$ 20,000
ADA Restroom/Changing Area Upgrade	\$ 100,000
Misc:	\$ 75,000
	\$1,500,000

CY2020 requesting design funds only \$165,000

Fleet
CIP 2020
Funding Request

EMS Fleet

Dayanara Aviles

From: Leigh Goodman
Sent: Thursday, November 21, 2019 4:07 PM
To: Dayanara Aviles
Subject: RE: 5yr Capital Plan

The 2020 Sprinter will be approximately \$118 500. I am looking into numbers for the box remount and will have a more accurate picture over the next week, so I can give you a realistic estimate.

The other addition would be the EMS building and I am looking to John for clarity on this.

Thanks,
Leigh

Leigh Goodman
Town of Trumbull
Director of Emergency Medical Services
Paramedic, EMS-I

lgoodman@trumbull-ct.gov

Office: 203 452 5079
Mobile: 203 690 2427

CONFIDENTIALITY NOTICE:

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From: Dayanara Aviles <daviles@trumbull-ct.gov>
Sent: Wednesday, November 20, 2019 10:23 AM
To: Leigh Goodman <lgoodman@trumbull-ct.gov>
Subject: 5yr Capital Plan
Importance: High

Hi Leigh, do you have a list of the projects/equipment you added to the 5yr plan? I have two placeholders for EMS for an Ambulance – Sprinter in 2020 and an ambulance box each year (from 2021-2024).

Do you have the final figures on those items, if you are adding them?

Did you have any additional items to add?

I am trying to consolidate all the submissions and update the final plan.

Thanks!

Fleet & Parks

Fleet # 1

Snow Plow Estimate

	CY2020	CY2021	CY2022	CY2023	CY2024
Chassis per state bid *	100,000	105,000	108,150	111,395	114,736
Sanders based on last plow purchase *	80,000	84,000	86,520	89,116	91,789
Body based on part purchase *	10,000	10,500	10,815	11,139	11,474
On-Spot Chains based on past purchase *	5,000	5,250	5,408	5,570	5,737
Misc. options	5,000.00	5,250	5,108	4,781	5,264
Total Estimate	200,000	210,000	216,000	222,000	229,000

** All amounts rounded up to the nearest ten thousand*

Prepared for:
Doug Bogen
Town of Trumbull
366 Church Hill Rd
Trumbull, CT 06611
Phone: 203-452-5071
Mobile: 203-650-8053
E-Mail: dbogen@trumbull-ct.gov



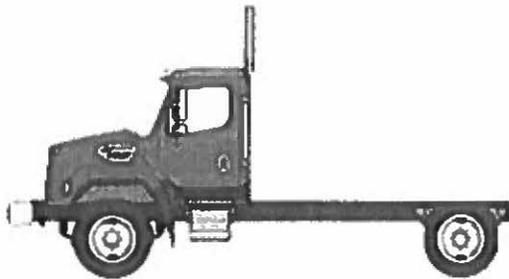
Prepared by:
Greg Martnotti
FREIGHTLINER OF HARTFORD
222 ROBERTS STREET
EAST HARTFORD, CT 06108
Phone: 860-559-9547
E-Mail: GREG@FOHCT.COM

*A proposal for
Town of Trumbull*

*Prepared by
FREIGHTLINER OF HARTFORD
Greg Martinotti*

June 18, 2018

**Freightliner 114SD – Hook Lift Units
Per State Contract #: 14PSX0239**



Components shown may not reflect all spec'd options and are not to scale



Prepared for:
 Doug Bogen
 Town of Trumbull
 386 Church Hill Rd
 Trumbull, CT 06611
 Phone: 203-452-5071
 Mobile: 203-650-8053
 E-Mail: dbogen@trumbull-ct.gov



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 E-Mail: GREG@FOHCT.COM

Fleet # 1

QUOTATION - HOOK LIFT TRUCKS
PER STATE CONTRACT #: 14PSX0239

114SD CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK
 CUM L9 330 HP @ 2000 RPM, 2200 GOV RPM, 1000
 LB/FT @ 1400 RPM
 ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH
 PTO PROVISION
 RS-30-185 30,000# U-SERIES SINGLE REAR AXLE
 30 000# FLAT LEAF SPRING REAR SUSPENSION WITH
 HELPER AND RADIUS ROD
 DETROIT DA-F-20 0-5 20,000# FL1 71.0 KPI/3 74 DROP
 SINGLE FRONT AXLE
 20,000# TAPERLEAF FRONT SUSPENSION

114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL
 CAB
 4425MM (174 INCH) WHEELBASE
 7/16X3-9/16X11-1/8 INCH STEEL FRAME
 (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
 1900MM (75 INCH) REAR FRAME OVERHANG
 PARTIAL INNER FRAME REINFORCEMENT AT FRONT
 SUSPENSION
 BODY COMPANY INSTALLED ADDITIONAL FRONT
 FRAME REINFORCEMENT FOR SNOW PLOW

		PER UNIT	TOTAL
ITEM # 1A Chassis	TOTAL # OF UNITS (2)	\$ 95,997.00	\$ 191,994.00
ITEM # 1H30% discount	TOTAL # OF UNITS (2)	\$ (9,012.00)	\$ (18,024.00)
ITEM # 1J \$96,401 less 20% disc.	TOTAL # OF UNITS (2)	\$ 77,121.00	\$ 154,242.00
ITEM # 1K \$19,469.75 less 20% disc.	TOTAL # OF UNITS (1)	\$ 15,575.00	\$ 15,575.00
CUSTOMER PRICE BEFORE TAX		\$ 179,681.00	\$ 343,787.00
TRADE-IN			
TRADE-IN ALLOWANCE		\$ (0)	\$ (0)
BALANCE DUE	(LOCAL CURRENCY)	\$ 179,681.00	\$

COMMENTS:

- Chassis will be invoiced upon delivery to body company. Payment is expected to be received 7 days of invoice.
- Body portion will be invoiced upon delivery of completed acceptable unit is made to The Town.
- Warranties will not begin until delivery of completed acceptable unit is made to The Town and placed into service.
- Any retro-fits to existing hook-lift units, additional sanders and/or plows needed to complete those units will need to be purchased directly from body vendor on a separate purchase order.

APPROVAL:

Please indicate your acceptance of this quotation by signing below:

Customer: X _____ Date: ___ / ___ / ___



state bid

EXHIBIT B, SP-16
PRICE SCHEDULE

Supplement 2

CONTRACT NO: 14PSX0239

CONTRACTOR NAME: Freightliner of Hartford, Inc.	DOT ID # 1543572
DELIVERY: 180 DAYS ARO	PROMPT PAYMENT TERMS: N/A

ITEM #	DESCRIPTION OF COMMODITY AND/OR SERVICES	UNIT OF MEASURE	TOTAL PRICE
1.	<u>41,000 GVWR Single Axle Dump Trucks with Plows</u> <u>Fixed pricing for model years 2018, 2019 and 2020</u>		
1a.	41,000 GVWR Conventional Cab, Single axle chassis with automatic transmission. Pursuant to revised (10/31/2017) specification. Make: Freightliner Model: T14SD	each	<u>1a. \$95,997.00</u> ✓
1b.	Steel 10 ft. 6 Cubic Yard severe duty dump body with front plow hitch installed. Pursuant to revised (10/31/2017) specification. Make: Viking Model: PL 1011 SD	each	<u>1b. \$42,680.00</u>
1c.	Complete hydraulic system and controller installed. Pursuant to revised (10/31/2017) specification. Make: Cirus Model: ConnDOT closed system	each	<u>1c. \$14,995.00</u>
1d.	Tarpping system installed. Pursuant to revised (10/31/2017) specification. Make: Roll Rite Model: Tarp Master 400	each	<u>1d. \$1,991.00</u>
1e.	11 ft. Power angle snowplow with positive locking pawl and integral extended moldboard, metro full trip moldboard. Make: Viking Model: PRRL1136ME	each	<u>1e. \$6,633.00</u>
1f.	Mid mount wing plow installed.	each	<u>1f. \$10,775.00</u>
1g.	12 ft. power angle snowplow with positive locking pawl and integral extended moldboard installed. Make: Viking Model: PRRL123645FE	each	<u>1g. \$7,460.00</u>
1h.	Percentage discount off MSRP for chassis.	% off	<u>1h. 30% off</u> ✓ off chassis
1i.	Percentage discount off MSRP for up fitting OEM repair parts.	% off	<u>1i. 30% off</u> ✓ option
1j.	Percentage discount off MSRP for any Allied Equipment.	% off	<u>1j. 20% off</u> ✓ off second box or
1k.	Hourly labor rate.	hour	<u>1k. \$98.00</u> up-fitting of box trucks

New England Truck Equipment LLC.

4 Barker Drive. Wallingford CT. 06492
 Phone (203) 284-1657 Fax (203) 284-3802

“Quality starts with quality products”

Quotation Number: 1889	Date: 5/3/2015	Subject: Hook lifts
-------------------------------	-----------------------	----------------------------

To: Town of Trumbull
 366 Church Hill Rd
 Trumbull CT 06611

Attn: Doug Bogen
Ph: 203-452-5071
Fx: 203-452-5140

Cell: 203-650-8053
Email: dbogen@trumbull-ct.gov

SHIP VIA Best way	F.O.B. POINT Wallingford CT.	TERMS Purchase Order/ Net 30
-----------------------------	----------------------------------------	----------------------------------------

QTY	DESCRIPTION	Amount	Total
2	We hereby submit the following quote for your review and approval: New American Palfinger HAD200M complete with the following; 3/4" Rear pintle plate with 30 ton pintle hook and 2" receiver, H/D D-rings, factory supplied trailer plug, (NO GLAD HANDS), factory stop, tail and turn lights, poly rear fenders, custom "Stellar" type container stops, mild steel valve tank combination with hot shift PTO, direct mount load sense pump, stainless steel hydraulic lines with hydraulic hoses on short runs, in cab arm rest style control tower with air controls for body and plow functions as well as Freedom 2.0 electronic spreader control, front mount H/D plow hitch with 3/4" side plates, auxiliary plow lights mounted on stainless steel brackets, dual additional rear facing LED work lights.		
2	New Henderson 12' stainless steel sanders mounted on hook lift "A"-Frame and rails with extended flip up chute with manual winch, mild steel removable top screens.		
2	New Monroe MPR39-39-57-11-ISCT Snow plows.		
	All items complete, painted, installed and operational on customer supplied new compatible cab/chassis. 20% St CT Discount Amount	96,401.25 -19,280.25 77,121.00	192,802.50 -38,560.50 <u>154,242.00</u>
3	Additional sanders & 2 plows matching above listed along with open center hydraulic manifolds and electronic conversions to accommodate added equipment 20% St CT Discount Amount	46,250.00 -9,250.00 37,000.00	138,750.00 -27,750.00 111,000.00
We would like to thank you for the opportunity to quote you on your needs and look forward to your most valued order. Ron Burr New England Truck Equipment			

Acceptance of Proposal: The above prices, conditions and specifications are satisfactory and are hereby accepted.

Sign: _____ **Date:** _____



Fleet # 1

Quote

Bucks Fabricating A Deist Industries Co.
3547 Perry Highway
Hadley, PA 16130
Fax: 724-253-3863
800-233-0867
www.bucksfab.com

Date 12/7/2018
Quote # 37667
Expires 12/22/2018
Sales Rep Roseberry, Crystal
Terms Ex Works/Incoterms 2010
Payment Terms Net 30
Taxable PA, OH, CA, FL, ... F
Shipping Notes (For Cus...)
Vehicle Make

Bill To
Town of Trumbull
5866 Main Street
Trumbull CT 06611

Ship To
Town of Trumbull
366 Church Hill Road
Doug Bogen (203)-650-8053
Trumbull CT 06611

Item Number	Quantity	Description	Unit Price	Amount
Specialty	2	Specialty Chipper Body Container 12' Long, 72" High Sides (72" High Sides/10" Understructure-82" Overall Height*), 96" Wide, 19yd 3/16" Floor, 10 Ga Sides, Crossmembers on 16" Centers, 54" Hook-lift Set-up as Previous Orders With us, Front/Rear Wheels, Sealed Tailgate with Cam Latch and Posy Lock on the Gate, Sealed Tested, Seal Seal on Side Posts, Flat Expanded Metal Removable Roof, Primed/Painted Omaha Orange in Color Lead Time 6-8 Weeks on new Orders Units Would Ship Un-Stacked on a Semi-Trailer not a Roll-off Truck*	8,400.00	16,800.00

This Quote is valid for 15 days from Quote Date.
All Orders are subject to Deist Terms and Conditions OS-100. See attached.
The product prices listed herein are based on current steel prices, if there is a 3% or greater shift in steel prices before this order is produced, we will notify you of any applicable changes in the costs of these products.

By providing your signature of approval above, you are acknowledging that the delivery address is correct and accurate. If the delivery location changes at the time of shipment or if the customer redirects a carrier to a destination which is more than 5 miles from the original delivery destination, additional delivery charges will apply.

Customer Approval Signature:	Subtotal	16,800.00
	Shipping Cost (Common Carrier)	2,800.00
	Total	\$19,600.00

cost per UNIT = \$10,000



37667

Maria Pires

From: Kate Donahue <kdonahue@hampfordresearch.com>
Sent: Thursday, January 23, 2020 1:58 PM
To: Maria Pires
Subject: FW: tricaster quote
Attachments: GP2819-Meeting Room.pdf; GP2819-Meeting Room-Option B.pdf

Maria:

Here are the actual quotes we got for the Board of Ed Tricaster system. You should use these in your capital planning list.

KATe

Kate Hampford Donahue
President & CEO
Hampford Research, Inc.
54 Veterans Blvd.
Stratford, CT 06615
(203)375-1137
www.hampfordresearch.com

From: Tait, Shawn [mailto:STait@trumbullps.org]
Sent: Thursday, January 23, 2020 1:17 PM
To: Kate Donahue
Subject: tricaster quote

Here are the two quotes. One uses some of the existing wiring that is there. Hope this helps.

Shawn



Prepared For:
 Shawn Tait
 Town of Trumbull
 Trumbull, CT
 STait@trumbullps.org

Date: 9.24.2019
 Quote: GP2819
 Valid For: 30 Days
 Terms: N30
 Prepared By: Gary Pink, Account Executive

Qty	Model	Description		Price	Ext
1	96-01277	Newtek Tricaster 410Plus Production Switcher		\$ 9,995.00	\$ 9,995.00
1	LED-4301-4K	Totevision Commercial 42" Monitor		\$ 845.00	\$ 845.00
4	SRG-360SHE	Sony Single 1/3" CMOS PTZ Camera w/POE		\$ 2,990.00	\$ 11,960.00
4	535-2000-243	Vaddio Wall Mount for SRG		\$ 100.00	\$ 400.00
1	RMIP10	Sony PTZ Controller		\$ 1,675.00	\$ 1,675.00
1	DGS-1210-28MP	Dlink 24 Port 370W POE Budget Network Switch	For Shure	\$494.50	\$ 494.50
					\$ -
1	WP-580T	Kramer HDMI to HDBaseT Wall Plate		\$ 250.00	\$ 250.00
1	TP-580Rxr	Kramer HDBaseT Receiver		\$ 335.00	\$ 335.00
1	VM-2H2	Kramer 1x2 4K HDMI DA		\$ 335.00	\$ 335.00
1	PT-871/2xr-KIT	Kramer HDMI to DGKAt Transmitter/receiver pair	To projector	\$ 385.00	\$ 385.00
1	VP-424C	Kramer HDMI to HDMI Scaler	Production	\$ 456.75	\$ 456.75
1	RK-T2B	Kramer Rackmount for above		\$ 75.00	\$ 75.00
1	NDS	Newtek Connect Spark HDMI	Laptop Virtual Input	\$ 495.00	\$ 495.00
					\$ -
					\$ -
					\$ -
1	Installation	Pull new cabling to 4 camera locations, pull new cabling to laptop input and projector. Install all new equipment. Wire all cameras, feeds and rack. Route existing audio into new system. Train, Test. Drawings		\$ 6,800.00	\$ 6,800.00
					\$ -
					\$ -
					\$ -
1	CCP	Cables, Connectors, Parts		\$ 985.00	\$ 985.00
1	Shipping	Shipping and Handling		\$ 285.00	\$ 285.00
					\$ -
Package Total					\$ 35,771.25

Ockers Company
 830 West Chestnut Street, Brockton, MA 02301
 Phone 781-769-7810 Fax 781-769-5750



Prepared For:
 Shawn Tait
 Town of Trumbull
 Trumbull, CT
 STait@trumbullps.org

Date: 9.24.2019
 Quote: GP2819
 Valid For: 30 Days
 Terms: N30
 Prepared By: Gary Pink, Account Executive

Qty	Model	Description	Price	Ext
1	96-01277	Newtek Tricaster 410Plus Production Switcher	\$ 9,995.00	\$ 9,995.00
1	LED-4301-4K	Totevision Commercial 42" Monitor	\$ 845.00	\$ 845.00
4	SRG-300S	Sony Single 1/3" CMOS PTZ Camera w/SDI	\$ 2,750.00	\$ 11,000.00
4	535-2000-243	Vaddio Wall Mount for SRG	\$ 100.00	\$ 400.00
1	RMIP10	Sony PTZ Controller	\$ 1,675.00	\$ 1,675.00
				\$ -
				\$ -
1	WP-580T	Kramer HDMI to HDBaseT Wall Plate	\$ 250.00	\$ 250.00
1	TP-580Rxr	Kramer HDBaseT Receiver	\$ 335.00	\$ 335.00
1	VM-2H2	Kramer 1x2 4K HDMI DA	\$ 335.00	\$ 335.00
1	PT-871/2xr-KIT	Kramer HDMI to DGKAt Transmitter/receiver pair	\$ 385.00	\$ 385.00
		To projector		
1	VP-424C	Kramer HDMI to HDMI Scaler	\$ 456.75	\$ 456.75
		Production		
1	RK-T2B	Kramer Rackmount for above	\$ 75.00	\$ 75.00
1	NDS	Newtek Connect Spark HDMI	\$ 495.00	\$ 495.00
		Laptop Virtual Input		
				\$ -
				\$ -
				\$ -
1	Installation	Install all new equipment	\$ 4,760.00	\$ 4,760.00
		Wire HDMI feeds and tricaster into system. Route		\$ -
		existing audio into new system. Train, Test. Drawings		\$ -
				\$ -
1	CCP	Cables, Connectors, Parts	\$ 520.00	\$ 520.00
1	Shipping	Shipping and Handling	\$ 270.00	\$ 270.00
				\$ -
Package Total				\$ 31,796.75

Ockers Company
 830 West Chestnut Street, Brockton, MA 02301
 Phone 781-769-7810 Fax 781-769-5750

Other - Engineering
CIP 2020
Funding Request

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

DEPARTMENT

Economic and Community Development

Provide narrative to describe and justify the requested project and answer the following questions as applicable.

What existing facilities or conditions will be affected by the project? How will this project improve these?

Bicycle and Pedestrian Master Plan- The plan will prioritize improvements, connections and repairs needed to promote safe walking. Currently, the town does not have a comprehensive and prioritized plan. The plan will develop priority projects and estimate costs.

Will this project necessitate staffing increases?

No staffing increase is necessary. A consultant will be hired through a competitive process for the term of the project.

What is the general plan and timeline for completion?

This plan is a significant undertaking and may be developed over two years. We estimate its completion in December 2022.

Are there any outside funding sources, e.g., grants?

We will pursue grant opportunities to support some of the cost of the plan.

PROJECT DESCRIPTION	CALENDAR YEAR FUNDING					TOTAL
	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024	
Bicycle and Pedestrian Master Plan		100,000	100,000			200,000
						-
						-
						-
						-
						-
						-
						-
						-

JUSTIFY NEED FOR CAPITAL OUTLAY (Attach relevant documentation for your request. Insufficiently documented requests WILL NOT be considered for the plan.)

MetroCog assisted in the development of the potential cost for such a plan. They researched communities around Connecticut that had developed similar plans including Glastonbury, Stratford, Black Rock Turnpike area, Hartford and Southeastern, CT.

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

DEPARTMENT

Economic and Community Development

Provide narrative to describe and justify the requested project and answer the following questions as applicable.

What existing facilities or conditions will be affected by the project? How will this project improve these?

Trumbull Mall Area/Southern Gateway Planning Study- The Town will hire a consultant to undertake a plan for the area south of

Will this project necessitate staffing increases?

No. A consultant will be hired through a competitive process for the term of the project.

What is the general plan and timeline for completion?

Tentatively a plan can be completed by spring of 2021. This plan supplements other town planning documents with much more

Are there any outside funding sources, e.g., grants?

We will be seeking contributions from several area property owners/tenants and other grant sources to help offset the full cost

PROJECT DESCRIPTION	CALENDAR YEAR FUNDING					TOTAL
	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024	
Trumbull Mall Area/Southern Gateway Planning Study.	50,000					-
						50,000
						-
						-
						-
						-
						-
						-
						-

JUSTIFY NEED FOR CAPITAL OUTLAY (Attach relevant documentation for your request. Insufficiently documented requests WILL NOT be considered for the plan.)

The cost of the plan has been determined based on other recent similar efforts undertaken. Recents studies have These comparison studies include the Long Hill Green planning study, the IL2 and IL3 planning study and the Trun

Old Dike Road Paving Phase 2

Eng # 1

50.25 (1" Shim/Leveling Coat of Pav)	Per Ton	\$ 106.21
Handwork	Per Ton	\$ 174.52
7.5" Bituminous Curb	Per LF	\$ 5.19
Reclaiming 0"-3"	Per SY	\$ 2.21
Reclaiming 3"-6"	Per SY	\$ 2.41
Tack Coat	Per Gal	\$ 6.57
Calcium Chloride	Per Gal	\$ 1.48
Escalation	Per Ton	\$ 9.45
HIP (over 15500 SY)	Per SY	\$ 4.50
HIP (7801-15500 SY)	Per SY	\$ 5.75
0-3" M (over 15500 SY)	Per SY	\$ 2.20
0-3" M (7801-15500 SY)	Per SY	\$ 2.50
Landscaping		\$ 13.00

6" curb \$ 4.23

500 TO 2500 TONS		
Item	Units	Unit Costs
50.5 (CLAS)	Per Ton	\$ 104.87
50.375 (CL)	Per Ton	\$ 109.29

OVER 9000 TONS		
Item	Units	Unit Costs
50.5 (CLAS)	Per Ton	\$ 92.86
50.375 (CL)	Per Ton	\$ 97.37

Road Name	LF Per Side	Sy - Area	Landscaped Area, SY	Repair Type	# of DRIVEWAYS	Tons of Driveway (HW)	50.5 Tons	50.375 Tons	1" Shim Tons	LF of Curb	Tack Coat (Gal) (0.11/SY)	O&G					Black & Boucher Costs					Total Cost Per Road (No LS)				
												50.5 Cost	50.375 Cost	1" Shim Cost	Cost Handwork	Cost Tack Coat	Cost Curb	Escalation	Total Cost O&G	Calcium Chloride	Cost Milling		Mobilization	Cost Reclaiming	Total Cost Black & Boucher	
A OLD DIKE RD (Hemlock Beach Merr)	4,112	11,560.13	5,483	M	65	130		1525.9	763.0	7249.6	1271.6	\$ -	\$ 148,580.53	\$ 81,034.91	\$ -	\$ 8,354.51	\$ 37,527.55	\$ 15,648.61	\$ 291,106.11	\$ -	\$ 28,900.33	\$ 1,000.00	\$ -	\$ 29,900.33	\$ 321,046.44	
Total		11,560	5,483			130	0	1526	763			\$ -	\$ 148,580.53	\$ 81,034.91	\$ -	\$ 8,354.51	\$ 37,527.55	\$ 15,648.61	\$ 291,106.11	\$ -	\$ 28,900.33	\$ 1,000.00	\$ -	\$ 29,900.33	\$ 321,046.44	
2419																										
B HENLOCK TRL (Old Dike-Pinewood)	395	1,302.18	527	M	10	20		171.9	85.9	640.0	143.2	\$ -	\$ 16,736.71	\$ 9,128.10	\$ -	\$ 941.09	\$ 3,312.96	\$ 1,813.34	\$ 31,932.20	\$ -	\$ 3,255.45	\$ -	\$ -	\$ 3,255.45	\$ 35,187.65	
Total		1,302	527			20	0	172	86			\$ -	\$ 16,736.71	\$ 9,128.10	\$ -	\$ 941.09	\$ 3,312.96	\$ 1,813.34	\$ 31,932.20	\$ -	\$ 3,255.45	\$ -	\$ -	\$ 3,255.45	\$ 35,187.65	
																								TOTAL A+B (NO LS)		\$ 356,234.09
278																										

Strobel Road Sidewalks

Town of Trumbull RFP # 6227, dated 4-4-17 Engineering Services
Project: Strobel Road Sidewalks

29-0196-145
Date: 9/11/2019

Markup 0.58
Markup 10%

Description of Work	Principal	DESIGN								CONSTRUCTION ADMINISTRATION						CADD SERVICES			Total Hours Total Cost
		Principal Project Manager	Project Manager	Project Engineer	Assistant Engineer	Technician	Draftsperson	Clerical	Construction Manager	Assistant Manager	Chief Inspector	Inspector	Draftsperson	Clerical	CADD Engineer	CADD Operator/Technician	CADD Manager		
Rate	\$180	\$180	\$150	\$100	\$180	\$75	\$100	\$90	\$146	\$130	\$146	\$100	\$100	\$80	\$100	\$80	\$136		
DESIGN SERVICES																			
Task 1 - Conceptual Design	2	8		16	16										16		8	66	
Task 2 - Preliminary Design	2	8		20	20										16		8	74	
Task 3 - Semi-Final Design	2	8		40	40			8							16		8	122	
Task 4 - Final Design	2	8		20	20			6							16		8	82	
Task 5 - Utility Coordination		4		24	24										8		8	68	
Task 6 - Public Meetings	8	8		32	8													56	
Task 7 - Estimation Assistance		8		32	8													48	
Subtotal Hrs	18	52	0	104	136	0	0	16	0	0	6	0	0	0	72	0	40	518	
Subtotal Labor Fee	\$2,880	\$9,360	\$0	\$25,760	\$13,600	\$0	\$0	\$1,280	\$0	\$0	\$0	\$0	\$0	\$0	\$7,200	\$0	\$5,400	\$46,480	

CONSTRUCTION SERVICES																			
Task 8 - Bid Assistance																			0
Task 9 - Construction Administration																			0
Task 10 - Construction Observation																			0
Subtotal Hrs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Labor Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SUBCONTRACTORS AND EXPENSES	Miles	Markup @ 0.545 per mile	Parking and Tolls	Reproduction	Supplies	Overnight Shipping	Outside Services	Consultant Direct Cost	Outside Services & Consultant With 10% Markup	TOTAL Reimbursable Expenses
Marsh Surveying		\$0							\$0	\$0
Dilling Contractor		\$0							\$0	\$0
Misc expenses	200	\$109							\$0	\$109
Printing/Reproduction		\$0		\$500					\$0	\$500
CT Counts		\$0							\$0	\$0
Subtotal Subs and Expenses	200	\$109	\$0	\$500	\$0	\$0	\$0	\$0	\$0	\$609

TOTAL ESTIMATED PROJECT COST 368,089



29-0196-0A-P145
September 13, 2019

Mr. William Maurer
Town Engineer
Town of Trumbull
5866 Main Street
Trumbull, CT 06611

1.5 m in 2021
const.

Re: **Proposal for Sidewalks along Strobel Road Design Services
Trumbull, Connecticut**

Dear Bill:

Tighe & Bond (T&B) understands that the Town of Trumbull (Town) would like to add sidewalks along Strobel Road. Currently, there is a sidewalk on the south side of Strobel Road along the High School property which will be rebuilt as 5-foot wide bituminous concrete sidewalk as part of the Strobel Road Reconstruction project.

This proposal will address construction new sidewalks from the most eastern driveway of the High School to Booth Hill Road. The proposed sidewalk would be approximately 5,430 linear feet in length and may need not be able to be placed continuously on one side of the roadway do to topographic limits, utility pole and tree interference, other landscape features and the willingness of property owners to agree to easements.

We understand that there is a strong community demand for this project, so we have included several public information meetings in our scope.

We have prepared the following scope of services for you to review:

Scope of Services

Task 1: Conceptual Design

1. Attend a project kickoff meeting to discuss the parameters of the project
2. Based on the parameters established at the of the kickoff meeting, prepare a conceptual layout of the proposed sidewalk. We will use the plans previously prepared for Strobel Road project as a base for this conceptual plan. The conceptual plan will include options for either side of the road.
3. Prepare an opinion of probable construction cost of the conceptual plans and options.
4. Meet with the Town to discuss the conceptual plans.
5. Finalize the conceptual plans based on the Towns review.
6. Prepare and present the project at a public information meeting. (see Task 6)

Task 2: Preliminary Design (30%)

1. Prepare Title Sheet, Existing Condition Plans and General Information Plan.
2. Prepare Layout Plans and Construction Plans detailing the construction associated with the sidewalk. We assume there will be 10-11 layout plans.

Tighe&Bond

3. Assess the need for retaining walls to support the sidewalk along cut or fill slopes. Develop a General Plan for the proposed retaining wall(s) layout. We have assumed the walls will be less than 5 feet in height and will be a segmental block type construction.
4. Prepare an Opinion of Probable Construction Cost (OPC) based on CTDOT Items and recent itemized cost data.
5. Meet with the Town to discuss the conceptual plans.
6. Prepare and present the project at a public information meeting. (see Task 6)

Task 3: Semi-Final Design (90%)

1. Update general information drawings to address design review comments.
2. Update the layout plan and construction plan to reflect preliminary design review comments and to include the detail required at the Final Design submission level. The plans will include:
 - a. Cover Sheet
 - b. General notes and legends
 - c. Layout sheets
 - d. Maintenance and protection of traffic
 - e. Signing plans
 - f. Soil Erosion Control Plans
 - g. Cross-sections
 - h. Construction Details
3. Update the retaining wall general plan(s) illustrating the layout of the retaining wall. Develop limited design details to provide the Contractor with information to facilitate the design-build process.
4. Prepare special provisions based on Town of Trumbull standards.
5. Assemble the Standard Details drawings to support the design.
6. Update the opinion of probable construction cost.
7. Prepare and present the project at a public information meeting. (see Task 6)

Task 4: Final Design - Construction Documents (100%)

Following the completion of the Final Design and approval by the Town and CTDOT, Tighe & Bond will prepare final Construction Documents to facilitate procurement of a Contractor by the Town. The Construction Documents will include construction drawings and special provisions that address the Final Design review comments and describe the proposed work. The following tasks are provided to prepare the Construction Documents:

1. Prepare final construction drawings that incorporate the Town and CTDOT comments on the Final Design submission.

2. Prepare the final special provisions that incorporate the Town and CTDOT comments on the Final Design submission.
3. Provide the bid-ready construction documents to the Town in PDF format to support the Town's procurement process.

Task 5: Utility Coordination

We will contact the existing utility companies to determine possible impacts from the proposed road construction. The utilities will include the following:

- Electric: United Illuminating
- Gas: Southern Connecticut Gas
- CATV: Charter Communications
- Telecommunications:
 - Frontier Communications of Connecticut
 - Fiber Technologies Network, LLC
 - Lightower Fiber Networks
- Water: Aquarion Water Company of Connecticut

We will meet with the utility representative in the field to discuss the project and potential impacts of the existing utilities on the project and determine if relocations are necessary.

Task 6: Public Information Meetings and Land Use Board Meetings

Attend the following public information meetings throughout the course of the project. We will prepare meeting summaries documenting the results of the meetings, as necessary. We anticipate the following meetings:

- Public Information meeting at the conceptual design completion (assume 1)
- Public Information meeting at the 30% design completion (assume 1)
- Public Information meeting at the 90% design completion (assume 1)
- Trumbull Police Commission (for temporary Maintenance and Protection of Traffic and detours) (assume 1)
- Trumbull Planning & Zoning Commission (assume 2)
- Trumbull Inland Wetlands Commission (assume 2)

Task 7: Easement Assistance

We have assumed that the Town will take the lead in securing easements required for the sidewalk project and that would include meeting with the property owners, and preparing the required survey maps. It has been our experience that the Town may need technical assistance during the easement negotiation period such as the design engineer meeting with the property owners in the field to delineate the impacts of the easement.

Task 8: Bid Assistance (final scope to be determined after final approval)

Task 9: Construction Administration Services (final scope to be determined after final approval)

Task 10: Construction Observation Services (final scope to be determined after final approval)

Assumptions and Exclusions

In an effort to provide you with a reasonable budget for the limited requested services, we have prepared a detailed scope of services based upon our understanding of the project scope. The following section describes critical assumptions and exclusions used in the development of our fee proposal.

1. It is assumed that the Town will provide all surveying requirement for the design and preparation of easement maps.
2. It is assumed that no Traffic analyses will be required for this project.
3. The number of meetings is limited to the number specifically stated in this proposal. An amendment for additional meetings can be provided if requested.
4. Responses to additional rounds of Town comments not specifically stated in this proposal are excluded.
5. T&B will utilize CTDOT Form 817, special provisions or Town Standards for all construction.
6. The potential size and scope of the retaining wall structure(s) is assumed to be no more than five feet high and we have assumed that a proprietary modular block wall will be utilized to retain the cut or fill slope. The design of a cast in place reinforced concrete wall is not assumed in the fee estimate.

Tighe&Bond

Fee

Tighe & Bond will perform these services on a time and expense basis in accordance with the conditions of RFP#6227. Based on the scope of work described above, we recommend the following initial budgets:

Task	Description of Work	Fee
1	Conceptual Design	\$8,350
2	Preliminary Design (30%)	\$9,300
3	Semi Final Design (90%)	\$14,700
4	Final Design-Construction Documents (100%)	\$9,950
5	Utility Coordination	\$8,350
6	Public Information Meetings and Land Use Board Meetings	\$8,000
7	Easement Assistance	\$6,750
	Reimbursables expenses (mleage, printing/copies)	\$600
Total Design Services		\$66,000
8	Bidding Assistance	TBD
9	Construction Administration	TBD
10	Construction Observation	TBD
Total Construction Services		TBD

Services performed by subcontractors, materials purchased directly for this project, and permitting fees will be invoiced at cost plus ten percent. In the event that the scope of work is increased for any reason, the limiting fee to complete the work shall be mutually revised by written amendment. Our previous Terms and Conditions are made part of this letter agreement.

We greatly appreciate the opportunity to continue providing services to the Town. If you should have any questions, please contact Fred at (203) 712-1123, or Dana at (203) 712-1122.

Sincerely,

TIGHE & BOND, INC.

Alfred J. Mascia, Jr., P.E.
Senior Project Manager

Dana C. Huff, P.E.
Vice President

Enclosure: LOE Spreadsheet



Park St. Culvert

September 23, 2019

Mr. William Maurer, P.E., L.S.
Town Engineer
Town of Trumbull
5866 Main Street
Trumbull, CT 06611

Eng # 3

**RE: Park Street Culvert Replacement
Design Proposal and Budget**

Dear Mr. Maurer:

Luchs Consulting Engineers, LLC (Luchs) is pleased to submit the scope of work and budget for professional services needed to design modifications to existing twin 42" CMP culvert on Park Street below Router 25, and prepare the Contract Package for bidding.



Figure 1 Park Street Culvert – Twin 42" CMPs – Upstream Headwall

The existing twin 42" Corrugated Metal Pipes (CMPs) convey Belden Brook under Park St. below the Rt. 25 Expressway. The culvert is an older structure at the lower end of the Belden Brook watershed near the confluence with the Pequonnock River. The culvert is shown in the FEMA Flood Insurance Study to be overtopped in storms exceeding the 10 Year Event. Luchs would

**Park St. Culvert Replacement
Scope of Work and Budget**

**September 23, 2019
Page 2 of 5**

provide On-Call engineering services to the Town on a Time and Expense basis. This project will be funded under the Town Capital program.



Figure 2 Corroded Invert and Scour Hole inside CMP culvert.

One barrel of the twin 42" CMP culvert is severely corroded and has a large scour hole under the culvert. Over time this will continue to erode and potentially cut off the residents along the end of Park St. when the culvert finally fails.

It is anticipated that approximately 50-100 linear feet of Belden Brook may be impacted upstream and downstream of the culvert. The Park St. culvert is part of the mapped FEMA Floodplain.

Proposed Improvements

Park St. is a dead end residential road located West of Rt. 25. It is anticipated that given the current structural capacity of the culvert that some form of culvert replacement will be required.

We assume that the following options would be evaluated as part of this project:

1. Prepare a Culvert Assessment of existing conditions.
2. Evaluate methods to improve culvert capacity or replace the existing culvert.

**Park St. Culvert Replacement
Scope of Work and Budget****September 23, 2019
Page 3 of 5**

3. Analyze existing culvert hydraulics and prepare new culvert design using HydroCAD or other culvert design software. Multiple culvert configurations will be checked.
4. Potentially design new roadway drainage (catch basins and pipes) at the intersection for lessened erosion and improved travel safety.
5. Develop water handling and construction phasing plans for proposed alternatives.
6. Prepare roadway plans with curbs and new guiderails, if necessary, installed in accordance with typical Town standards.
7. Provide signing and pavement markings along Park Street.
8. Seed areas disturbed during construction.

Design Services

Luchs will provide professional engineering design services to the Town of Trumbull for this project meeting the Town of Trumbull, ConnDOT, AASHTO and generally accepted design practices.

As detailed in the attached manhour matrix, Luchs work will follow the following phases:

- I. Preparation of Preliminary Design (30%)
- II. Preparation of Final Design and Contract Plans, Specifications and Estimate (PS&E)
- III. Construction Phase Services (To Be Determined)

The following assumptions were made in the preparation of the scope and budget:

- Luchs will engage a Certified Soils Scientist to delineate inland wetlands along the Belden Brook and prepare a report suitable for permit submissions.
- Luchs will conduct all survey tasks including all necessary topographic and property surveys.
- Luchs will prepare Property Maps (assumed 2) that may be needed for Proposed Grading and Drainage Easements.
- Luchs will engage a Geotechnical Engineer to prepare two soil borings and provide design recommendations at the culvert.
- Luchs would prepare support information for a Trumbull Planning and Zoning Meeting (if necessary) and a Trumbull Inland Wetlands Meeting. The Trumbull Engineering Department would prepare the actual application.
- The Maintenance & Protection of Traffic measures would use alternating one-way traffic to maintain access for residents when the culvert is being modified. A temporary bypass may have to be created due to the narrow width of the road at that point.
- The proposed culvert modification will be designed with a match existing culvert inverts and wing walls. Survey of the stream would be limited to immediately upstream and downstream (50'-100').
- One Public Information Meeting is anticipated. Luchs will prepare presentation material and present the project to the public.

- FEMA Flood Study Flows will be used for design hydrology.
- A standard culvert analysis will be prepared in accordance with FHWA Hydraulic Design Series Number 5 (HDS5), Hydraulic Design of Highway Culverts.
- Up to Two (2) Easement Maps are proposed.
- It is assumed that the following tasks will not be required:
 - Traffic crash data collection and analysis.
 - CT DEEP or Army Corps Permits.
 - HEC-RAS analysis of Belden Brook.
 - FEMA Letter of Map Revision.
 - Construction Stormwater Permit (DEEP).
 - Hazardous Material identification or remediation.
 - Intersection re-grading of Hedgehog Road.
 - Calculation of Service Life of Proposed Improvements.
- The Town will provide the Front End of the Final Bid Specifications Package.
- The project will be administered and reviewed by the Town.

Deliverables

- Existing Topographic and Property Survey
- Soils Scientist's Report and Wetland Delineation
- Culvert Condition Survey
- Soil Borings and Geotechnical Report
- Grading and Drainage Easement Maps and Legal Descriptions
- Road Plan and Profile
- Culvert Plan and Profile
- Culvert Details
- Roadway Grading and Drainage Plan
- Drainage Details
- Sediment and Erosion Control Plan
- Sediment and Erosion Control Details
- Paving and Guiderail Details
- Utility Plan and Details for coordination
- Water Handling Plan
- Maintenance and Protection of Traffic Plan
- Design Report
- Quantity Estimates
- Cost Estimates
- Written Technical Specifications
- Bid Form

Eng # 3

Budget Proposal

Luchs Consulting Engineers, LLC will perform these services on a Time and Expense basis in accordance with the conditions of RFP # 6227, as detailed below:

I. Survey	\$ 5,300
II. Preliminary Design	\$ 23,600
III. Final Design	\$ 36,300
IV. Bid Document Preparation	\$ 7,900
V. Environmental Permitting	\$ 10,500
VI. Geotechnical Investigation	\$ 8,500

TOTAL	\$ 92,100
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We are looking forward to starting work on this important project for the Town of Trumbull and working with you and your staff on its successful completion.

Should you have any questions or require additional information, please call me at (203) 379-0320 Ext 242.

Sincerely,
LUCHS CONSULTING ENGINEERS. LLC.



Terrance Gallagher, P.E.
Senior Civil Engineer

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