

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

TOWN HALL
Trumbull

TELEPHONE
(203) 452-5000



AGENDA No. 806

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

DATE: February 3, 2020
TIME: 7:30 p.m.
PLACE: Town Hall

NOTICE is hereby given that the Town Council of the Town of Trumbull, Connecticut will hold its meeting on February 3, 2020 at 7:30 p.m. at the Town Hall, 5866 Main Street, Trumbull, Connecticut for the following purpose:

DISCUSSION ITEM:

Booth Hill & Jane Ryan Building Committee Update
Community Facilities Building Committee Update
Police Station Building Committee Update

NEW BUSINESS:

1. RESOLUTION TC28-23: To consider and act upon a resolution which would reappoint James Daly of 26 Pam Bar Road as a member of the Pension Board for a term extending to the first Monday in December 2022. (L&A)
2. RESOLUTION TC28-24: To consider and act upon a resolution which would appoint Lisa Hughes of 14 Riverside Drive as a member of the Trumbull Day Commission for a term extending to September 1, 2024. (Orenstein) (L&A)
3. RESOLUTION TC28-25: To consider and act upon a resolution which would approve the reappointment by the First Selectman of Josephine Mills of 50 Wendover Road as an alternate member of the Board of Assessment Appeals for a term extending to the first Monday of December 2025. (L&A)

4. RESOLUTION TC28-26: To consider and act upon a resolution which would approve the appointment by the First Selectman of Dean Fabrizio of 6306 Main Street as an alternate member of the Board of Assessment Appeals for a term extending to the first Monday of December 2025. (Paolini) (L&A)
5. RESOLUTION TC28-27: To consider and act upon a resolution which would approve the appointment by the First Selectman of Michelle Dowling of 26 Scattergood Circle as a member of the Golf Course Commission for a term extending to the first Monday of December 2021 (Chiota) (L&A)
6. RESOLUTION TC28-28: To consider and act upon a resolution whereby the Trumbull Town Council approves and endorses the Connecticut Metropolitan Council of Governments grant application to the State of Connecticut Office of Policy and Management's Regional Performance Incentive Program for a Regional Electronic Content Management system. (L&A)
7. RESOLUTION TC28-29: To consider and act upon a resolution which would appropriate \$31,000 from the General Fund to account 01022600-581888 EMS-Capital Outlay. (Finance)
8. RESOLUTION TC28-30: To consider and act upon a resolution which would appropriate \$8,300 from the General Fund to account 01022600-581888 EMS-Capital Outlay. (Finance)
9. RESOLUTION TC28-31: To consider and act upon a resolution which would appropriate \$93,280 from the General Fund to account 01022600-522202 EMS-Professional Services. (Finance)
10. RESOLUTION TC28-32: To consider and act upon a resolution whereby the Town Council initiates an audit of the accounts of the Board of Education pursuant to Chapter II, Section 10(A) of the Charter of the Town of Trumbull. (Finance)
11. RESOLUTION TC28-33: To consider and act upon a resolution which would approve the 5-Year Capital Plan. (Finance)
12. RESOLUTION TC28-34: To consider and act upon a resolution which establishes the 2020 Trumbull Redistricting Committee. (L&A)
13. RESOLUTION TC28-35: To consider and act upon a resolution which would appoint _____ of _____ as a Town Council representative to the 2020 Trumbull Redistricting Committee. (L&A)
14. RESOLUTION TC28-36: To consider and act upon a resolution which would appoint _____ of _____ as a Town Council representative to the 2020 Trumbull Redistricting Committee. (L&A)

15. RESOLUTION TC28-37: To consider and act upon a resolution which would appoint Laurel Anderson of 5241 Main Street as a member of the 2020 Trumbull Redistricting Committee and would further appoint her as chairman of said committee. (L&A)

VIII ADJOURNMENT

COPY OF THE RESOLUTION ATTACHED HERETO

Mary Beth Thornton, Chairman

Trumbull Town Council

RESOLUTIONS

1. RESOLUTION TC28-23: BE IT RESOLVED, That James Daly of 26 Pam Bar Road, be and the same is hereby reappointed as a member of the Pension Board for a term extending to the first Monday in December 2022.
2. RESOLUTION TC28-24: BE IT RESOLVED, That Lisa Hughes of 14 Riverside Drive, be and the same is hereby appointed as a member of the Trumbull Day Commission for a term extending to September 1, 2024.
3. RESOLUTION TC28-25: BE IT RESOLVED, That the reappointment by the First Selectman of Josephine Mills of 50 Wendover Road, be and the same is hereby approved as an alternate member of the Board of Assessment Appeals for a term extending to the first Monday of December 2025
4. RESOLUTION TC28-26: BE IT RESOLVED, That the appointment by the First Selectman of Dean Fabrizio of 6306 Main Street, be and the same is hereby approved as an alternate member of the Board of Assessment Appeals for a term extending to the first Monday of December 2025.
5. RESOLUTION TC28-27: BE IT RESOLVED, That the appointment by the First Selectman of Michelle Dowling of 26 Scattergood Circle, be and the same is hereby approved as a member of the Golf Course Commission for a term extending to the first Monday of December 2021.
6. RESOLUTION TC28-28: BE IT RESOLVED, That the Trumbull Town Council hereby approves and endorses the Connecticut Metropolitan Council of Governments grant application to the State of Connecticut Office of Policy and Management's Regional Performance Incentive Program for a Regional Electronic Content Management system. (Full Resolution Attached)
7. RESOLUTION TC28-29: BE IT RESOLVED, That \$31,000 is hereby appropriated from the General Fund to account 01022600-581888 EMS-Capital Outlay.
8. RESOLUTION TC28-30: BE IT RESOLVED, That \$8,300 is hereby appropriated from the General Fund to account 01022600-581888 EMS-Capital Outlay.
9. RESOLUTION TC28-31: BE IT RESOLVED, That \$93,280 is hereby appropriated from the General Fund to account 01022600-522202 EMS-Professional Services.
10. RESOLUTION TC28-32: BE IT RESOLVED, That the Town Council hereby initiates an audit of the accounts of the Board of Education pursuant to Chapter II, Section 10(A) of the Charter of the Town of Trumbull.
11. RESOLUTION TC28-33: BE IT RESOLVED, That the 5-Year Capital Plan is hereby approved.

12. RESOLUTION TC28-34: BE IT RESOLVED, That
 1. The 2020 Trumbull Redistricting Committee be and the same is hereby established;
 2. The said Committee shall consist of five (5) members comprising the two (2) Registrars of Voters, two (2) Town Council members, one from each political party, and one (1) elector of the Town of Trumbull;
 3. The said Committee shall recommend to the Town Council a redistricting plan comprising voting districts of substantially equal populations, including the specific boundary lines of each of those districts;
 4. The said Committee shall hold its organizational meeting no later than February 20, 2020; and
 5. The said Committee shall render its final report to the Council no later than April 6, 2020.

13. RESOLUTION TC28-35: BE IT RESOLVED, That _____ of _____, be and the same is hereby appointed as a Town Council representative to the 2020 Trumbull Redistricting Committee.

14. RESOLUTION TC28-36: BE IT RESOLVED, That _____ of _____, be and the same is hereby appointed as a Town Council representative to the 2020 Trumbull Redistricting Committee.

15. RESOLUTION TC28-37: BE IT RESOLVED, That Laurel Anderson of 5241 Main Street, be and the same is hereby appointed as a member of the 2020 Trumbull Redistricting Committee and is further appointed as chairman of said committee.

FULL RESOLUTION

Resolution
Regional Performance Incentive Program
Regional Electronic Content Management system

WHEREAS, Section 4-124s of the Connecticut General Statutes provides statewide incentive grants to Regional Council of Governments for projects that involve shared services; and

WHEREAS, the Connecticut Metropolitan Council of Governments (MetroCOG) is acting as a convener and facilitator of service sharing projects in the Greater Bridgeport Region; and

WHEREAS, on December 31, 2019 the Connecticut Metropolitan Council of Governments submitted a grant application to the State of Connecticut Office of Policy and Management's Regional Performance Incentive Program for a Regional Electronic Content Management system; and

WHEREAS, a phase of the Regional Electronic Content Management system is currently being implemented in member municipalities and will build upon this implementation by including additional internal work flows and providing high volume scanning and indexing services of historic documents; and

WHEREAS, this service will increase public accessibility and transparency, reduce reliance on paper documents, and create digital records that can last in perpetuity, and thus will reduce local costs; and

WHEREAS, the Chief Elected Officials of the Greater Bridgeport Region have supported the Regional Electronic Content Management system included in the application package, as it will benefit each municipality and the Region as a whole; and

WHEREAS, the Town of Trumbull has expressed an interest in taking part in the project proposal entitled:

1. Regional Electronic Content Management system

NOW THEREFORE BE IT RESOLVED, That the *Trumbull Town Council* approves and endorses the above referenced ***Regional Performance Incentive Program*** Grant Application by the Connecticut Metropolitan Council of Governments.



January 6th, 2020

Mary Beth Thornton, Chairman
Town Council
Town of Trumbull
5866 Main Street
Trumbull, CT 06611

Re: Regional Electronic Content Management system, FY20 Regional Performance Incentive Program

Dear Ms. Thornton,

The Connecticut Metropolitan Council of Governments (MetroCOG) has submitted a grant application to the State of Connecticut Office of Policy and Management's (OPM) FY20 Regional Performance Incentive Program. MetroCOG's application proposes a *Regional Electronic Content Management system* that will support the needs of all six of our member municipalities: the City of Bridgeport, Town of Easton, Town of Fairfield, Town of Monroe, Town of Stratford and the Town of Trumbull.

The State of Connecticut requires all municipalities that elect to participate in the proposed regional service obtain a resolution from the legislative body that endorses the proposal by February 28th, 2020. MetroCOG has requested that the Town of Trumbull include the Resolution and any other supporting documentation on the agenda of the February 3rd, 2020 meeting of the Town Council. Attached is a resolution (draft), grant summary and a copy of the grant application and supporting documents.

If you have any questions or concerns, please do not hesitate to contact me at 203-366-5405 or mfulda@ctmetro.org.

Sincerely,

A handwritten signature in blue ink, appearing to read "M Fulda", is positioned above the typed name.

Matt Fulda
Executive Director, MetroCOG

cc: First Selectman Vicki A. Tesoro; Town Council Clerk



To: Mary Beth Thornton, Chairman, Town Council, Town of Trumbull

From: Meghan Sloan, Planning Director, MetroCOG

Date: January, 2020

Subject: *Regional Electronic Content Management system, FY20 Regional Performance Incentive Program*

The Connecticut Metropolitan Council of Governments (MetroCOG), the Regional Council of Governments that includes the Town of Trumbull, has submitted a grant application to the State of Connecticut Office of Policy and Management's (OPM) FY20 Regional Performance Incentive Program. MetroCOG's application proposes a *Regional Electronic Content Management system* that will support the needs of all six member municipalities, including the Town of Trumbull. The proposal will build upon MetroCOG's existing cloud-based Laserfiche implementation and expand it to include additional workflows.

A major benefit is that the system allows for a single regional license, rather than individual licenses for each town including the built-in workflows and business processes at no additional cost. This functionality allows each municipality in the region to decide which functions are most important while not limiting another municipality. Workflows and business processes created by and for one municipality can be easily shared and implemented in another municipality with minimal duplication of effort or cost. ***Additionally, since the system allows for additional users under the single license, this platform could be extended to Boards of Education, Public Safety and others without significant increase in the annual cost.***

The *Regional Electronic Content Management system* provides local implementation of customized workflows, increases public accessibility and transparency and reduces reliance on paper documents. Example processes include online permitting, contract management, FOIA requests, agenda approvals, and work order requests. In addition, the system will allow certain documents to be accessed from MetroCOG's existing municipal parcel viewers (see <http://ctmetro.org/maps/>).

The project will also provide high volume scanning and indexing services to each municipality. This phase will scan and store historic documents which can then be made publicly available, as required by FOIA, via the system's public web portal. Benefits include:



- By adding a significant number of documents to the database, municipal departments will have a more robust system that can better utilize many of Laserfiche's business processes. *During 2018, Trumbull's building department issued 3,152 building permits.*
- Accessing documents via an online web viewer reduces the need for the public to visit the department in person which allows departmental staff to focus on other job responsibilities while still providing the public with access to information.
- Several Chief Elected Officials have identified space constraints as a major problem in municipal administration buildings. By creating digital records that can last in perpetuity, towns can rework their existing office setups and reduce the number of paper records being stored.

Purpose of Resolution: The State of Connecticut requires all municipalities that elect to participate in the proposed regional service endorse the application through a resolution from the legislative body by February 28th, 2020.

Attached is a resolution (draft), and a copy of the grant application and supporting documents.



Regional Electronic Content Management and Document Digitization

Proposal for funding through OPM's Regional Performance Incentive Program, on behalf of **Bridgeport, Easton, Fairfield, Monroe, Stratford & Trumbull**

Submitted to OPM on December 31, 2019



METROCOG

Connecticut Metropolitan Council of Governments

1000 Lafayette Boulevard, Suite 925
Bridgeport, CT 06604

203-366-5405 www.ctmetro.org



Regional Performance Incentive Program

Application Guidelines: https://biznet.ct.gov/SCP_Search/BidDetail.aspx?CID=51757

Pursuant to CGS Section 4-124s.

*Proposal for Joint Provision of Services or Study to be filed with the
Secretary of the Office of Policy and Management*

Submit to:

Office of Policy and Management,
450 Capitol Ave. MS #54 SLP
Hartford, CT 06106-1379,
Attn: RPI Program

Applicant Entity

Name	Connecticut Metropolitan Council of Governments (MetroCOG)
Address	1000 Lafayette Boulevard
City/State/Zip	Bridgeport, CT 06604

Contact Person(s):

Name	Matthew Fulda
Title	Executive Director
Telephone	203-366-5405
E-mail	mfulda@ctmetro.org

Amount Requested:

\$350,000

Project Title:

Regional Electronic Content Management and Document Digitization

(A) Description of the proposed service or initiative:

The Regional Electronic Content Management system, hosted by Laserfiche Cloud, is a multi-faceted shared service that will create efficient processes for internal workflows, allow for scalable implementation, increase public accessibility and transparency and reduce each municipalities reliance on paper documents. The system, first and foremost, provides cloud-based content management to store, index and serve municipal and regional documents. Additionally, the system includes, at no additional cost, hundreds of pre-built business processes as well as the ability for users to create additional workflows as needed. The business processes include, but are not limited to, online permitting, contract management, FOIA requests, agenda approvals, and work order requests. This project will build upon MetroCOG's existing Laserfiche implementation and expand it to include additional workflows to significantly improve public access and transparency. A major benefit is that the system allows for a single regional license, rather than individual licenses for each town including the built-in workflows and business processes at no additional cost. This functionality allows each municipality in the region to decide which functions are most important while not limiting another municipality.

The system also allows certain documents to be accessed from MetroCOG's municipal parcel viewers. MetroCOG has been working with the Town of Monroe for the last few years on a pilot program to store and provide access to Monroe Health Department records through the town's municipal GIS parcel viewer, hosted by MetroCOG. For this program, health department staff uploads Well Completion Reports and Septic As-Builts to the cloud-based system and the documents are then accessible to anyone via the parcel viewer. This grant would expand that capacity to the other municipalities in the region as well as other departments within each municipality. Accessing documents via an online web viewer reduces the need for the public to visit the department in person which allows departmental staff to focus on other job responsibilities while still providing the public with access to the information.

The second phase of this project will be to request proposals from qualified contractors that can assist in high volume scanning and indexing. This phase will scan and store historic documents which can then be made publicly available, as required by FOIA, via the systems public web portal. Adding a significant number of documents to the database creates a more robust system that can better utilize many of the business processes. Additionally, conversations with several Chief Elected Officials hve identified space constraints as a major problem in municipal administration buildings. By creating digital records that can last in perpetuity, this project will allow towns to rework their existing office setups and reduce the number of paper records being stored.

(B) Explanation of the need for such service or initiative:

The online document management system will improve internal municipal operations and create a more transparent and accessible government for residents. Internal workflows and processes, such as the contract management workflow, will ensure the municipality is notified as existing contracts reach their end date and provide information on auto-renewal terms and other contract specific details. The FOIA request will allow the public a streamlined mechanism for requesting public documents and keep a record of all such requests. The integration of online permitting through this service will allow those municipalities necessary functionality at a significantly lower cost than could be achieved through other permitting vendors.

For the public, the cloud base public portal will allow residents to access information and documentation at any time, regardless of whether the town hall is open. The increased public access will reduce the number of visitors to a specific municipal department allowing municipal staff to focus on other job-related responsibilities while maintaining the public's ability to access necessary documentation.

Additionally, the built-in workflows, business processes and forms reduce user error and allow for more complete indexing of past, current and future documents. This increases the ability of municipal staff and the public to quickly locate and review documents without requiring municipal staff time to address such requests. The regional cloud-based storage system also reduces municipal storage costs and the quantity of printing required to fulfill requests from the public.

(C) Method of delivering such service or initiative:

The cloud-based system will be delivered through web-based applications, online forms, internal workflows, and a public portal. The system does not require the purchase or maintenance of any on-premise hardware as all the information, forms, web portals and databases are stored in a cloud-based server. MetroCOG will work with each municipality in the region to determine which processes and workflows should be implemented on a town-by-town basis. MetroCOG will continue its existing relationship with Automated Information Systems (AIS), a Laserfiche Value Added Reseller who provides front-end and back-end support as well as application and workflow development.

The scanning and indexing portion of this project will be completed by a qualified contractor selected through a competitive procurement process. MetroCOG and the municipalities will work with the selected contractor to prioritize document scanning with the expectation that each municipality will receive this service for the highest priority documents.

(D) Entity that would be responsible for delivering such service or initiative:

MetroCOG will act as the project manager for this project and work collaboratively with the region's municipalities and the Laserfiche vendor.

(E) Description of the recipient population(s) for such service or initiative:

Over 324,000 people reside in the City of Bridgeport and the Towns of Easton, Fairfield, Monroe, Stratford and Trumbull. The region ranges from Connecticut's largest city (Bridgeport) to a small, agricultural community (Easton). Each municipality shares a commitment to providing the highest level of service to their constituents. These services include processing permit applications and fulfilling a diverse range of requests for information, including FOIA requests. However, the amount of public information currently available online varies by each municipality, and often by department. For those records not online, public availability is limited by the office hours of each municipal office.

During FY2018, Bridgeport's building department issued 3,266 building permits. A budget goal of the Bridgeport Building Department is to *"continue to support and work towards digitization of permit process"* – a goal shared by Trumbull's building department as well, which issued 3,152 permits in 2018.

Even the region's smaller towns issue hundreds of building permits a year – in 2018, Easton issued 663 and Monroe issued 1,294. In Easton's 2018 Annual Report, the Building Department noted that open permits are often not discovered until a residence goes on the market and a title search is performed. Scanning and electronic management of permits could help staff identify which permits still must be closed by the contractor (see https://www.eastonct.gov/sites/eastonct/files/uploads/2018_annual_report_final.pdf).

Managing health permits are another area that could benefit from digitization. All municipalities issue a variety of health permits which often reflects local land uses. In Bridgeport, 1,208 restaurants were inspected in FY2018, while in Easton more than half of their total 225 health inspections were related to septic. Document scanning would support both health department functions.

The sheer amount of records and information can be daunting for both the public and local staff to consider. For example, Bridgeport reported 310 FOIA requests to the City Clerk in FY2018.

(F) Description of how such service or initiative will achieve economies of scale:

Document scanning is a time-consuming process that requires specialized equipment and expertise, especially when utilizing a cloud-based solution. For local staff and the public to be able to quickly retrieve documents, they must be stored in the correct location and include the necessary metadata. Current municipal workloads and local servers are unable to accommodate digitally archiving the records stored in hundreds of file cabinets throughout the region. As paper increases, more file cabinets in offsite storage become necessary – an expense which takes up valuable office space and only increases the time it takes to search for and retrieve a document.

Developing a scope of work across multiple departments and the vendor selection process would be time consuming for each municipality to perform on their own. Due to various levels of local expertise on document management and cloud storage, implementing the service would be a significant challenge for many towns. The regional development of a document scanning and digital archiving system will provide enhancements to a back-office function shared by a diverse range of municipal departments throughout the region.

By utilizing a cloud-based document storage system, staff will spend less looking through file cabinets for supporting documents or public requests. Town halls will experience less constraints on office space due to fewer file cabinets. Constituents can also search for and access information at their own pace and schedule, rather than being limited to the operating hours of local town halls.

Further economies will be realized through the single license structure of the Laserfiche Cloud implementation, meaning that workflows and business processes created by and for one municipality can be easily shared and implemented in another municipality with minimal duplication of effort or cost. Additionally, since the system allows for additional users under the single license, this platform could be extended to Boards of Education, Public Safety and others without significant increase in the annual cost.

There will also be significant economies of scale associated with the bulk scanning portion of this contract. First, a single regional procurement is significantly less costly than each municipality going out

to bid for the service individually. Second, utilizing one contractor will allow for a more streamlined process and reduce the sunk costs that arise from on-boarding a new consultant and educating them on the system. A robust scanning and indexing processes, created in collaboration with all six municipalities, will allow MetroCOG to maximize the total number of scanned documents and reduce errors.

(G) Estimate of anticipated mill rate reduction for participating municipalities as a result of savings realized from such service or initiative:

Given the total amount requested as compared to the total property tax revenue within the budgets of the six municipalities cooperating in this grant application, at the least, this program will reduce the mill rates of each town by as much as .05%. This is based upon the average cost savings calculated by New Jersey's Division of Archives and Records Management (NJDRAM) due to reductions in storage costs of paper records (<https://www.ctg.albany.edu/publications/preservation/>, 2006). However, fully calculating the total mill rate reduction of this service is difficult, as there is no fixed cost associated with fulfilling a request, as it could take staff minutes or hours, depending on the complexity of the request and the location of the records.

It is likely that this scale of mill rate reduction would grow over the years as the municipalities reduce staff time spent looking through physical records and realize further efficiencies. Digital records management is a sound investment and can accrue significant reductions in costs and increases in benefits both over the short and long terms. A table has been attached to this application for additional details.

(H) Cost benefit analysis for the provision of such service or initiative by each participating municipality and by the entity or board of education submitting the proposal:

As discussed earlier, analyzing the cost benefit of electronic document management is difficult to determine. However, industry and organizational literature have identified benefits to both staff and the public.

J.P. Morgan's *Analysis of Electronic Records Management Solutions in the Federal Government* identified electronic records management as having the following benefits:

- Less staff time spent on record management duties increases the available time to perform core tasks.
- Supports disaster recovery and business continuity; records stored in the cloud can be accessed by staff remotely. If original paper records are destroyed or inaccessible, digital records can be quickly retrieved.
- Reduces the need to print and distribute paper records.
- Avoids delays, investigations and lawsuits resulting from misplaced paper records.
- Reduces difficulties and delays in retrieving paper records, especially if they are stored off-site.
- Records can be accessed by multiple users simultaneously.

- Metadata can be used to identify record types subject to statutory or regulatory retention requirements.
- Reduces time spent responding to FOIA requests; may simplify the FOIA process for all parties.
- Preservation of institutional knowledge; as staff turns over/retires, digital files will be easier to find than paper documents.
- Maintains reliable service levels without increasing staffing, especially if there was a sudden increase in record requests.

Further, the Council of State Archivists' *State Archiving in the Digital Era: A Playbook for the Preservation of Electronic Records* (October 2018, <https://www.statearchivists.org/programs/state-electronic-records-initiative/>) identified the digital records management as having the following benefits:

- Information is more readily available and accessible to policy makers, public records requests and collaborative initiatives.
- Simplification and streamlining of back-office activities.

(L) Indicate the level and type of pledged match funds as a percentage of the total grant request amount

MetroCOG and region's municipalities are not requesting any additional funding for staff time reimbursement through this grant. As this project will require significant staff resources, there will be a significant in-kind match. In addition, the region's member municipalities have already passed a resolution stating their intent to provide a regional cost share once the grant funding has been expended to continue the service. While this is not a typical match, it illustrates the region's commitment to this project and its continued functionality well beyond the grant period.

(M) Indicate the extent to which the proposal relates to the following major themes of the Lamont Administration:

The proposed project is directly related to Governor Lamont's goal of making government more effective, efficient, and customer-friendly by delivering services online, leveraging data to improve outcomes, and collaborating with interagency, intergovernmental, and interstate partners in addition to back office functions. The implementation of the regional electronic content management system will reduce municipal reliance on paper by moving as much data, documents and processes to a digital format. The service also increases the ability of the public to access public records and request additional records.

MetroCOG RPIP FY20 Budget Table

Budget Item	Unit Cost	Units	Total Cost
Annual Laserfiche Cloud Licensing and Users	\$62,500	2	\$125,000
Laserfiche Development Support	\$250	100	\$25,000
Bulk Scanning and Indexing	\$200,000	1	\$200,000
Total Grant Request			\$350,000

Notice of Funding Opportunity
Regional Performance Incentive Program (RPIP)
FY 20 Grant Round

Overview

The Office of Policy and Management (OPM) is currently accepting proposals for the FY 20 RPIP Grant Round, in accordance with CGS Sec. 4-124s.

Eligible applicants* include the following entities, either individually or in any combination:

- 1) any regional council of governments (COG);
- 2) any two or more municipalities acting through a COG;
- 3) any economic development district (EDD); and
- 4) any regional educational service center (RESC).

Eligible applicants may submit proposals for:

- 1) the joint provision of any service that one or more participating municipalities of such COG, EDD or RESC currently provide but which is not provided on a regional basis;
- 2) a planning study regarding the joint provision of any service on a regional basis; or
- 3) shared information technology services.

***Note:** In addition to the eligible applicants noted above, any local or regional board of education or RESC serving a population greater than one hundred thousand may submit a proposal for a regional special education initiative, per CGS Sec. 4-124s(b).

Proposal Format Requirements

Eligible applicants shall provide the following information for each proposal:

- (A) Description of the proposed service or initiative;
- (B) Explanation of the need for such service or initiative;
- (C) Method of delivering such service or initiative;
- (D) Entity that would be responsible for delivering such service or initiative;
- (E) Description of the recipient population(s) for such service or initiative;
- (F) Description of how such service or initiative will achieve economies of scale;
- (G) Estimate of anticipated mill rate reduction for participating municipalities as a result of savings realized from such service or initiative;

- (H) Cost benefit analysis for the provision of such service or initiative by each participating municipality and by the entity or board of education submitting the proposal;
- (I) Plan of implementation for delivery of such service or initiative;
- (J) Resolution approved by the legislative body* of each participating municipality endorsing such proposal, authorizing the eligible applicant to apply for funding, and to enter into any required contract and/or agreement should the proposal be selected for an award. (*Note: Under CGS Sec. 4-124s(a)(3), "Legislative body" means the board of selectmen, town council, city council, board of alderman, board of directors, board of representatives or board of the warden and burgesses of a municipality)
- (K) Explanation of the potential legal obstacles, if any, to the regional provision of such service or initiative;
- (L) Indicate the level and type of pledged match funds as a percentage of the total grant request amount (e.g., for a \$100,000 grant request, a 20% match would be \$20,000), with the minimum grant request being \$50,000 and the maximum grant request being \$1,000,000. Rating scale to be based on ratio of pledged match funds to requested grant funds, as well as the type of match (i.e., monetary vs. in-kind); and
- (M) Indicate the extent to which the proposal relates to the following major themes of the Lamont Administration:
 - i. Promoting economic growth by, e.g., developing our workforce, improving the quality of life and fiscal stability of our cities and towns, reducing barriers to entry and supporting entrepreneurship, and driving down the cost of healthcare, higher education, infrastructure and other significant family and business investments.
 - ii. Encouraging programs and initiatives to improve Connecticut's criminal justice system and enhance community safety, including but not limited to projects that reduce recidivism by supporting housing and employment opportunities and reducing barriers for individuals returning to our communities post-incarceration, as well as initiatives that use a coordinated multi-disciplinary approach to support the needs of victims of crime.
 - iii. Making government more effective, efficient, and customer-friendly by, e.g., delivering services online, leveraging data to improve outcomes, and collaborating with Interagency, intergovernmental, and interstate partners in addition to back office functions, e.g., human resources, labor relations, budget and finance, assessors and tax collectors, inspectors in both building, trades and public health, regional health districts.

Required Attachments

Attached to the end of this document is information that we are required to provide to bidders, proposers and applicants. Additionally, there are required forms that must be completed and submitted with your proposal.

Submittal Instructions

Proposals must be received by OPM no later than 5:00 PM on December 31, 2019.**

Proposals shall be submitted via email to Martin L. Heft, Acting Undersecretary, Intergovernmental Policy and Planning Division, Office of Policy and Management at Martin.Heft@ct.gov.

Additionally, applicants shall submit a copy of each proposal to the legislators representing any participating municipalities.

****Note:** Applicants have the option of submitting items (G) through (K), as described in the section titled *Proposal Format Requirements*, without penalty to OPM by no later than 5:00 PM on February 28, 2020. This is meant to address applicant concerns over the amount of time needed to prepare complete applications. However, OPM will not accept any supplemental information pertaining to items (A) through (F) following the December 31, 2019 deadline.

Proposal Review and Rating Process

A selection committee comprised of OPM staff will evaluate qualified proposals submitted in response to this funding opportunity and recommend finalists for the Secretary's consideration.

Such proposals shall be rated using the following weighted criteria:

- 50% based on a 1-10 rating of the information provided in items (A) – (K) of the Proposal Format Requirements;
- 30% based on a 1-10 rating of how the proposal addresses items (L) – (M) of the Proposal Format Requirements; and
- 20% based on a 1-10 rating of the extent to which the applicant meets the priority criteria of CGS Sec. 4-124s(c)(2)***.

*****Note:** CGS Sec. 4-124s(c)(2) states, "(2) The secretary shall review each proposal and shall award grants for proposals the secretary determines best meet the requirements of this section. In awarding such grants, the secretary shall give priority to a proposal submitted by (A) any entity specified in subsection (a) of this section that includes participation of all of the member municipalities of such entity, and which may increase the purchasing power of participating municipalities or provide a cost savings initiative resulting in a decrease in

expenses of such municipalities, allowing such municipalities to lower property taxes, (B) any economic development district, and (C) any local or regional board of education.”

Anticipated Announcement of Selected Proposals

OPM intends to notify applicants by May 15, 2020 of any proposals selected for funding in the FY 20 RPIP grant round.

Upon such notification, OPM will work with selected applicants to develop the necessary grant contract and scope of work for implementing the proposal.

Execution of any grant contract requires the grantee to accept OPM’s General Grant Conditions and, if applicable, OPM’s Special Grant Conditions (reference copies are attached).

---THIS SECTION INTENTIONALLY LEFT BLANK---

REQUIRED ATTACHMENTS/FORMS

ITEMS LISTED BELOW ARE INCLUDED IN THE PAGES TO FOLLOW

- **OPM Vendor/Bidder Profile Sheet - Form OPM-A-15:** this form must be completed and submitted with your proposal.
- **State of Connecticut Agency Vendor Form – Form SP-26NB-IPDF:** this form ONLY needs to be completed and submitted if any of your entity's information has changed from your previously filed form.
- **Request for Taxpayer Identification Number and Certification – Form W-9:** this form ONLY needs to be completed and submitted if any of your entity's information has changed from your previously filed form.
- **Acknowledgment of Contract Compliance Notification to Bidders Form:** this form must be completed and submitted with your proposal.
- **Bidder Contract Compliance Requirements and Monitoring Report Forms:** this package must be completed and submitted with your proposal.
- **General Grant Conditions:** attached for reference
- **Special Grant Conditions:** attached for reference

For more information and relevant statutes related to Affirmative Action and Contract Compliance, please visit the Commission on Human Rights and Opportunities website at the following link: <https://www.ct.gov/chro/site/default.asp>

OPM VENDOR/BIDDER/APPLICANT PROFILE SHEET

This form is to be completed by entities responding to any OPM solicitation (RFP, RFA, RFI, RFQ, etc.) for supplies, services and/or grant funding.

Entity Name (do not abbreviate): Connecticut Metropolitan Council of Governments	Federal Employer Id Number/SSN: 06-0765591
Entity Address: 1000 Lafayette Boulevard, suite 925, Bridgeport, CT 06604	
Contact Person's Name: Matthew Fulda	Telephone Number(s): 203-366-5405
Contact Person's Title: Executive Director	Contact Person's email Address: mfulda@ctmetro.org

AFFIRMATION OF VENDOR/BIDDER/APPLICANT

The undersigned applicant/respondent affirms and declares:

- 1.) That this proposal/application is executed and signed by said vendor/bidder/applicant with full knowledge and acceptance of the conditions as stated in the CONDITIONS Section of the solicitation.
 YES NO N/A (no solicitation)
- 2.) That the objectives, services and/or deliverables outlined in the solicitation shall be met/delivered by the vendor/bidder/apolicant as proposed therein, at the budget/cost proposed therein (if applicable), and within the timeframes as delineated within the solicitation
 YES NO N/A (no solicitation)
- 3.) That neither the vendor/bidder/applicant and/or any company official nor any subcontractor to the vendor/bidder/applicant and/or any subcontractor company official has received any notices of debarment and/or suspension from contracting with the State of Connecticut or the Federal Government.
 YES NO
- 4.) That neither the vendor/bidder/applicant and/or any company official nor any subcontractor to the vendor/bidder/applicant and/or any subcontractor company official has received any notices of debarment and/or suspension from contracting with other states within the United States.
 YES NO

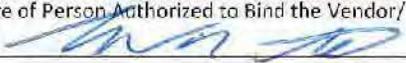
ACKNOWLEDGEMENT OF VENDOR/BIDDER/APPLICANT

- 5.) With regard to a State contract as defined in Public Act 07-1 having a value in a calendar year of \$50,000 or more or a combination or series of such agreements or contracts having a value of \$100,000 or more, the undersigned expressly acknowledges:

Receipt of the State Elections Enforcement Commission's notice advising prospective state contractors of state campaign contribution and solicitation prohibitions.

YES NO N/A pursuant to CHRO definition below*

*Prohibitions not applicable to "a municipality or any other political subdivision of the state, including any entities or associations duly created by the municipality or political subdivision exclusively amongst themselves to further any purpose authorized by statute or charter, or an employee in the executive or legislative branch of state government or a quasi-public agency, whether in the classified or unclassified service and full or part-time, and only in such person's capacity as a state or quasi-public agency employee."

Written Signature of Person Authorized to Bind the Vendor/Bidder Contractually: 	Date: 12/31/19
Type or Print Name of Authorized Signatory: Matthew Fulda	Title of Signatory: Executive Director

IF VENDOR/BIDDER/APPLICANT IS A CORPORATION

What is the authority of signatory to bind the vendor/bidder/applicant contractually?

Corporate Resolution Corporate By Laws Other **(Please provide a written copy.)**

Is your business income reportable to the IRS? Yes No

Are you a DAS certified minority owned business? Yes No If YES, check all that apply.

Women Owned Black Hispanic American Indian Disabled Iberian Peninsula Asian Other

Subject of Solicitation	Submission Due	Division	Date Issued

Request for Taxpayer Identification Number and Certification

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

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

Print or type. See Specific Instructions on page 3.	<p>1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. Greater Bridgeport Regional Planning Agency</p> <p>2 Business name/disregarded entity name, if different from above Connecticut Metropolitan Council of Governments</p> <p>3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.</p> <p> <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C= C corporation, S=S corporation, P=Partnership) ▶ _____ Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input checked="" type="checkbox"/> Other (see instructions) ▶ Quasi Governmental </p>	<p>4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):</p> <p>Exempt payee code (if any) _____</p> <p>Exemption from FATCA reporting code (if any) _____</p> <p><small>(Applies to accounts maintained outside the U.S.)</small></p>
	<p>5 Address (number, street, and apt. or suite no.) See instructions. 1000 Lafayette Boulevard, Suite 925</p> <p>6 City, state, and ZIP code Bridgeport, CT 06604</p> <p>7 List account number(s) here (optional)</p>	<p>Requester's name and address (optional)</p>

Part I Taxpayer Identification Number (TIN)

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

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

Social security number	
- -	-
or	
Employer identification number	
06 - 0765591	

Part II Certification

Under penalties of perjury, I certify that:

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

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

Sign Here	Signature of U.S. person ▶	Date ▶ 12/31/19
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General Instructions

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

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

Purpose of Form

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

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

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

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

STATE OF CONNECTICUT - AGENCY VENDOR FORM

IMPORTANT: ALL parts of this form must be completed, signed and returned by the vendor.

READ & COMPLETE CAREFULLY

COMPLETE VENDOR LEGAL BUSINESS NAME Greater Bridgeport Regional Planning Agency		Taxpayer ID # (TIN): <input type="checkbox"/> SSN <input checked="" type="checkbox"/> FEIN 06-0765591 <small>WRITE/TYPE SSN/FEIN NUMBER ABOVE</small>	
BUSINESS NAME, TRADE NAME, DOING BUSINESS AS (IF DIFFERENT FROM ABOVE) Connecticut Metropolitan Council of Governments			
BUSINESS ENTITY: <input type="checkbox"/> CORPORATION <input type="checkbox"/> LLC CORPORATION <input type="checkbox"/> LLC PARTNERSHIP <input type="checkbox"/> LLC SINGLE MEMBER ENTITY <input type="checkbox"/> NON-PROFIT <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> INDIVIDUAL/SOLE PROPRIETOR <input checked="" type="checkbox"/> GOVERNMENT			
NOTE: IF INDIVIDUAL/SOLE PROPRIETOR, INDIVIDUAL'S NAME (AS OWNER) MUST APPEAR IN THE LEGAL BUSINESS NAME BLOCK ABOVE.			
BUSINESS TYPE: <input type="checkbox"/> A. SALE OF COMMODITIES <input type="checkbox"/> B. MEDICAL SERVICES <input type="checkbox"/> C. ATTORNEY FEES <input type="checkbox"/> D. RENTAL OF PROPERTY (REAL ESTATE & EQUIPMENT) <input checked="" type="checkbox"/> E. OTHER (DESCRIBE IN DETAIL) quasi governmental			
UNDER THIS TIN, WHAT IS THE PRIMARY TYPE OF BUSINESS YOU PROVIDE TO THE STATE? (ENTER LETTER FROM ABOVE) →			
UNDER THIS TIN, WHAT OTHER TYPES OF BUSINESS MIGHT YOU PROVIDE TO THE STATE? (ENTER LETTER FROM ABOVE) →			
NOTE: IF YOUR BUSINESS IS A PARTNERSHIP, YOU MUST ATTACH THE NAMES AND TITLES OF ALL PARTNERS TO YOUR BID SUBMISSION.			
NOTE: IF YOUR BUSINESS IS A CORPORATION, IN WHICH STATE ARE YOU INCORPORATED?			
VENDOR ADDRESS STREET 1000 Lafayette Boulevard, Suite 925		CITY STATE ZIP CODE Bridgeport CT 06604	
Add Additional Business Address & Contact information on back of this form.			
VENDOR E-MAIL ADDRESS mfulda@ctmetro.org		VENDOR WEB SITE www.ctmetro.org	
REMITTANCE INFORMATION: INDICATE BELOW THE REMITTANCE ADDRESS OF YOUR BUSINESS. <input checked="" type="checkbox"/> SAME AS VENDOR ADDRESS ABOVE.			
REMIT ADDRESS STREET		CITY STATE ZIP CODE	
CONTACT INFORMATION: NAME (TYPE OR PRINT)			
1ST BUSINESS PHONE:		HOME PHONE:	
2ND BUSINESS PHONE:		1ST PAGER:	
CELLULAR:		2ND PAGER:	
1ST FAX NUMBER:		TOLL FREE PHONE:	
2ND FAX NUMBER:		TELEX:	
WRITTEN SIGNATURE OF PERSON AUTHORIZED TO SIGN PROPOSALS ON BEHALF OF THE ABOVE NAMED VENDOR 			DATE EXECUTED
TYPE OR PRINT NAME OF AUTHORIZED PERSON Matthew Fulda			TITLE OF AUTHORIZED PERSON Executive Director
IS YOUR BUSINESS CURRENTLY A DAS CERTIFIED SMALL BUSINESS ENTERPRISE? <input type="checkbox"/> YES (ATTACH COPY OF CERTIFICATE) <input checked="" type="checkbox"/> NO			
IS YOUR BUSINESS CURRENTLY A CT DOT CERTIFIED DISADVANTAGED BUSINESS ENTERPRISE (DBE)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
IF YOU ARE A STATE EMPLOYEE, INDICATE YOUR POSITION, AGENCY & AGENCY ADDRESS			
PURCHASE ORDER DISTRIBUTION: (E-MAIL ADDRESS) ckelleher@ctmetro.org			
NOTE: THE E-MAIL ADDRESS INDICATED IMMEDIATELY ABOVE WILL BE USED TO FORWARD PURCHASE ORDERS TO YOUR BUSINESS.			

ADD FURTHER BUSINESS ADDRESS, E-MAIL & CONTACT INFORMATION ON SEPARATE SHEET IF REQUIRED

This form is **MANDATORY** and must be completed, signed, and returned with the vendor's bid.

ACKNOWLEDGMENT OF CONTRACT COMPLIANCE NOTIFICATION TO BIDDERS

INSTRUCTION: Bidder must sign acknowledgment below, and return this form to the awarding agency with the bid proposal.

The undersigned duly authorized representative of the bidding vendor acknowledges receiving and reading a copy of the **NOTIFICATION TO BIDDERS**. *(Please print name under signature line.)*



Signature

Executive Director

Title

12/31/19

Date

On behalf of:

Connecticut Metropolitan Council of Governmetns

Vendor Name

1000 Lafayette Boulevard, Suite 925

Street Address

Bridgeport

CT

06604

City

State

Zip

06-0765591

Federal Employee Identification Number
(FEIN/SSN)

This form is **MANDATORY** and must be completed, signed, and returned with the vendor's bid.

CONTRACTOR/GRANTEE COMPLIANCE REQUIREMENTS

NOTE: - THESE REQUIREMENTS APPLY TO ALL CONTRACTORS - INCLUDING GRANTEES AND INDIVIDUALS

Connecticut General Statute Section 4a-60 was adopted to insure that State agencies do not enter into contracts with organizations or businesses that discriminate against protected class persons. To carry out the provisions of the Statute, the Commission on Human Rights and Opportunities developed Regulations concerning Contract Compliance and approval of Contract Compliance Programs which impose certain obligations on State agencies as well as contractors doing business with the State of Connecticut.

These regulations require that as an awarding agency, in this instance, the Office of Policy and Management (OPM), must consider the following factors in its selection of any contractor:

- The bidder's success in implementing an affirmative action plan;
- If the bidder does not have a written affirmative action plan, the bidder's promise to develop and implement a successful affirmative action plan;
- The bidder's success in developing an apprenticeship program complying with Sections 46a-68-1 to 46a-68-17 of the Administrative Regulations of Connecticut State Agencies, inclusive;
- The bidder's submission of employment statistics contained in the "Employment Information Form", indicating that the composition of its workforce is at or near parity when compared to the racial and sexual composition of the workforce in the relevant labor market area; and
- The bidder's promise to set aside a portion of the contract for legitimate minority business enterprises.

In order to assess the factors above, contractors are required to provide OPM with information about their organizations.

A package of information is provided with forms and instructions that must be completed, signed by responsible parties and returned to OPM with the response to the Request for Proposal or with the Grant Application.

PLEASE NOTE: If you indicate that you will be sub-contracting a portion of this contract, you will be sent further forms for completion as required in the contract compliance regulations. Thank you for your cooperation.

**COMMISSION ON HUMAN RIGHTS AND OPPORTUNITIES
CONTRACT COMPLIANCE REGULATIONS
NOTIFICATION TO BIDDERS**

(Revised 09/3/15)

The contract to be awarded is subject to contract compliance requirements mandated by Sections 4a-60 and 4a-60a of the Connecticut General Statutes; and, when the awarding agency is the State, Sections 46a-71(d) and 46a-81i(d) of the Connecticut General Statutes. There are Contract Compliance Regulations codified at Section 46a-68j-21 through 43 of the Regulations of Connecticut State Agencies, which establish a procedure for awarding all contracts covered by Sections 4a-60 and 46a-71(d) of the Connecticut General Statutes.

According to Section 46a-68j-30(9) of the Contract Compliance Regulations, every agency awarding a contract subject to the contract compliance requirements has an obligation to "aggressively solicit the participation of legitimate minority business enterprises as bidders, contractors, subcontractors and suppliers of materials." "Minority business enterprise" is defined in Section 4a-60 of the Connecticut General Statutes as a business wherein fifty-one percent or more of the capital stock, or assets belong to a person or persons: "(1) Who are active in daily affairs of the enterprise; (2) who have the power to direct the management and policies of the enterprise; and (3) who are members of a minority, as such term is defined in subsection (a) of Section 32-9n." "Minority" groups are defined in Section 32-9n of the Connecticut General Statutes as "(1) Black Americans . . . (2) Hispanic Americans . . . (3) persons who have origins in the Iberian Peninsula . . . (4) Women . . . (5) Asian Pacific Americans and Pacific Islanders; (6) American Indians . . ." An individual with a disability is also a minority business enterprise as provided by Section 4a-60g of the Connecticut General Statutes. The above definitions apply to the contract compliance requirements by virtue of Section 46a-68j-21(11) of the Contract Compliance Regulations.

The awarding agency will consider the following factors when reviewing the bidder's qualifications under the contract compliance requirements:

- (a) the bidder's success in implementing an affirmative action plan;
- (b) the bidder's success in developing an apprenticeship program complying with Sections 46a-68-1 to 46a-68-17 of the Administrative Regulations of Connecticut State Agencies, inclusive;
- (c) the bidder's promise to develop and implement a successful affirmative action plan;
- (d) the bidder's submission of employment statistics contained in the "Employment Information Form", indicating that the composition of its workforce is at or near parity when compared to the racial and sexual composition of the workforce in the relevant labor market area; and
- (e) the bidder's promise to set aside a portion of the contract for legitimate minority business enterprises. See Section 46a-68j-30(10)(E) of the Contract Compliance Regulations.

INSTRUCTIONS AND OTHER INFORMATION

The following **BIDDER CONTRACT COMPLIANCE MONITORING REPORT** must be completed in full, signed, and submitted with the bid for this contract. The contract awarding agency and the Commission on Human Rights and Opportunities will use the information contained thereon to determine the bidders compliance to Sections 4a-60 and 4a-60a CONN. GEN. STAT., and Sections 46a-68j-23 of the Regulations of Connecticut State Agencies regarding equal employment opportunity, and the bidder's good faith efforts to include minority business enterprises as subcontractors and suppliers for the work of the contract.

1) Definition of Small Contractor

Section 4a-60g CONN. GEN. STAT. defines a small contractor as a company that has been doing business under the same management and control and has maintained its principal place of business in Connecticut for a one year period immediately prior to its application for certification under this section, had gross revenues not exceeding fifteen million dollars in the most recently completed fiscal year, and at least fifty-one percent of the ownership of which is held by a person or persons who are active in the daily affairs of the company, and have the power to direct the management and policies of the company, except that a nonprofit corporation shall be construed to be a small contractor if such nonprofit corporation meets the requirements of subparagraphs (A) and (B) of subdivision 4a-60g CONN. GEN. STAT.

MANAGEMENT: Managers plan, organize, direct, and control the major functions of an organization through subordinates who are at the managerial or supervisory level. They make policy decisions and set objectives for the company or departments. They are not usually directly involved in production or providing services. Examples include top executives, public relations managers, managers of operations specialties (such as financial, human resources, or purchasing managers), and construction and engineering managers.

BUSINESS AND FINANCIAL OPERATIONS: These occupations include managers and professionals who work with the financial aspects of the business. These occupations include accountants and auditors, purchasing agents, management analysts, labor relations specialists, and budget, credit, and financial analysts.

MARKETING AND SALES: Occupations related to the act or process of buying and selling products and/or services such as sales engineer, retail sales workers and sales representatives including wholesale.

LEGAL OCCUPATIONS: In-House Counsel who is charged with providing legal advice and services in regards to legal issues that may arise during the course of standard business practices. This category also includes assistive legal occupations such as paralegals, legal assistants.

COMPUTER SPECIALISTS: Professionals responsible for the computer operations within a company are grouped in this category. Examples of job titles in this category include computer programmers, software engineers, database administrators, computer scientists, systems analysts, and computer support specialists

ARCHITECTURE AND ENGINEERING: Occupations related to architecture, surveying, engineering, and drafting are included in this category. Some of the job titles in this category include electrical and electronic engineers, surveyors, architects, drafters, mechanical engineers, materials engineers, mapping technicians, and civil engineers.

OFFICE AND ADMINISTRATIVE SUPPORT: All clerical-type work is included in this category. These jobs involve the preparing, transcribing, and prescrying o f written communications and records; collecting accounts; gathering and distributing information; operating office machines and electronic data processing equipment; and distributing mail. Job titles listed in this category include telephone operators, bill and account collectors, customer service representatives, dispatchers, secretaries and administrative assistants, computer operators and clerks (such as payroll, shipping, stock, mail and file).

BUILDING AND GROUNDS CLEANING AND MAINTENANCE: This category includes occupations involving landscaping, housekeeping, and janitorial services. Job titles found in this category include supervisors of landscaping or housekeeping, janitors, maids, grounds maintenance workers, and pest control workers.

CONSTRUCTION AND EXTRACTION: This category includes construction trades and related occupations. Job titles found in this category include boilermakers, masons (all types), carpenters, construction laborers, electricians, plumbers (and related trades), roofers, sheet metal workers, elevator installers, hazardous materials removal workers, paperhangers, and painters. Paving, surfacing, and tamping equipment operators; drywall and ceiling tile installers; and carpet, floor and tile installers and finishers are also included in this category. First line supervisors, foremen, and helpers in these trades are also grouped in this category.

INSTALLATION, MAINTENANCE AND REPAIR: Occupations involving the installation, maintenance, and repair of equipment are included in this group. Examples of job titles found here are heating, ac, and refrigeration mechanics and installers; telecommunication line installers and repairers; heavy vehicle and mobile equipment service technicians and mechanics; small engine mechanics; security and fire alarm systems installers; electric/electronic repair, industrial, utility and transportation equipment; millwrights; riggers; and manufactured building and mobile home installers. First line supervisors, foremen, and helpers for these jobs are also included in the category.

MATERIAL MOVING WORKERS: The job titles included in this group are Crane and tower operators; dredge, excavating, and lading machine operators; hoist and winch operators; industrial truck and tractor operators; cleaners of vehicles and equipment; laborers and freight, stock, and material movers, hand; machine feeders and offbearers; packers and packagers, hand; pumping station operators; refuse and recyclable material collectors; and miscellaneous material moving workers.

PRODUCTION WORKERS: The job titles included in this category are chemical production machine setters, operators and tenders; crushing/grinding workers; cutting workers; inspectors, testers sorters, samplers, weighers; precious stone/metal workers; painting workers; cementing/gluing machine operators and tenders; etchers/engravers; molders, shapers and casters except for metal and plastic; and production workers.

3) Definition of Racial and Ethnic Terms (as used in Part IV Bidder Employment Information) (Page 3)

<p>White (not of Hispanic Origin)-All persons having origins in any of the original peoples of Europe, North Africa, or the Middle East.</p> <p>Black (not of Hispanic Origin)-All persons having origins in any of the Black racial groups of Africa.</p> <p>Hispanic- All persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race.</p>	<p>Asian or Pacific Islander- All persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands. This area includes China, India, Japan, Korea, the Philippine Islands, and Samoa.</p> <p>American Indian or Alaskan Native- All persons having origins in any of the original peoples of North America, and who maintain cultural identification through tribal affiliation or community recognition.</p>
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BIDDER CONTRACT COMPLIANCE MONITORING REPORT

PART I – Bidder Information

<p>Company Name: Connecticut Metropolitan Council of Governments Street Address: 1000 Lafayette Boulevard, Suite 925 City & State: Bridgeport, CT 06604 Chief Executive: Matthew Fulda</p>	<p>Bidder Federal Employer Identification Number: 06-0765591 Or Social Security Number:</p>
<p>Major Business Activity: (brief description)</p> <p>Transportation and land use planning services, brownfields assessment and remediation, economic development and planning for natural hazard mitigation.</p>	<p>Bidder Identification (response optional/definitions on page 1)</p> <p>-Bidder is a small contractor? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> -Bidder is a minority business enterprise? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If yes, check ownership category) Black <input type="checkbox"/> Hispanic <input type="checkbox"/> Asian American <input type="checkbox"/> American Indian/Alaskan Native <input type="checkbox"/> Iberian Peninsula <input type="checkbox"/> Individual(s) with a Physical Disability <input type="checkbox"/> Female <input type="checkbox"/> -Bidder is certified as above by State of CT? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p>Bidder Parent Company: NA (If any)</p>	
<p>Other Locations in CT: NA (If any)</p>	

PART II - Bidder Nondiscrimination Policies and Procedures

<p>1. Does your company have a written Affirmative Action/Equal Employment Opportunity statement posted on company bulletin boards? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>7. Do all of your company contracts and purchase orders contain non-discrimination statements as required by Sections 4a-60 & 4a-60a Conn. Gen. Stat.? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>2. Does your company have the state-mandated sexual harassment prevention in the workplace policy posted on company bulletin boards? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>8. Do you, upon request, provide reasonable accommodation to employees, or applicants for employment, who have physical or mental disability? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>3. Do you notify all recruitment sources in writing of your company's Affirmative Action/Equal Employment Opportunity employment policy? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>9. Does your company have a mandatory retirement age for all employees? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p>4. Do your company advertisements contain a written statement that you are an Affirmative Action/Equal Opportunity Employer? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>10. If your company has 50 or more employees, have you provided at least two (2) hours of sexual harassment training to all of your supervisors? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/></p>
<p>5. Do you notify the Ct. State Employment Service of all employment openings with your company? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>11. If your company has apprenticeship programs, do they meet the Affirmative Action/Equal Employment Opportunity requirements of the apprenticeship standards of the Ct. Dept. of Labor? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/></p>
<p>6. Does your company have a collective bargaining agreement with workers? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>6a. If yes, do the collective bargaining agreements contain non-discrimination clauses covering all workers? Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>6b. Have you notified each union in writing of your commitments under the nondiscrimination requirements of contracts with the state of CT? Yes <input type="checkbox"/> No <input type="checkbox"/></p>	<p>12. Does your company have a written affirmative action Plan? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If no, please explain.</p>
	<p>13. Is there a person in your company who is responsible for equal employment opportunity? Yes No If yes, give name and phone number:</p>

1. Will the work of this contract include subcontractors or suppliers? Yes No

1a. If yes, please list all subcontractors and suppliers and report if they are a small contractor and/or a minority business enterprise. (defined on page 1 / use additional sheet if necessary)

TBD - We will need to do a procurement process.

1b. Will the work of this contract require additional subcontractors or suppliers other than those identified in 1a. above? Yes No

PART IV - Bidder Employment Information

Date: 12/31/19

JOB CATEGORY*	OVERALL TOTALS	WHITE (not of Hispanic origin)		BLACK (not of Hispanic origin)		HISPANIC		ASIAN or PACIFIC ISLANDER		AMERICAN INDIAN or ALASKAN NATIVE	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Management	3	2	1								
Business & Financial Ops	2	1	1								
Marketing & Sales											
Legal Occupations											
Computer Specialisis											
Architecture/Engineering	1	1									
Office & Admin Support	3	2	1								
Bldg/ Grounds Cleaning/Maintenance											
Construction & Extraction											
Installation, Maintenance & Repair											
Material Moving Workers											
Production Occupations											
TOTALS ABOVE	9										
Total One Year Age											
FORMAL ON THE JOB TRAINEES (ENTER FIGURES FOR THE SAME CATEGORIES AS ARE SHOWN ABOVE)											
Apprentices											
Trainees											

*NOTE: JOB CATEGORIES CAN BE CHANGED OR ADDED TO (EX. SALES CAN BE ADDED OR REPLACE A CATEGORY NOT USED IN YOUR COMPANY)

PART V - Bidder Hiring and Recruitment Practices

1. Which of the following recruitment sources are used by you? (Check yes or no, and report percent used)				2. Check (X) any of the below listed requirements that you use as a hiring qualification (X)		3. Describe below any other practices or actions that you take which show that you hire, train, and promote employees without discrimination We are an equal opportunity employer and hire based on qualifications and quality of work.
SOURCE	YES	NO	% of applicants provided by source			
State Employment Service	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	Work Experience	
Private Employment Agencies	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	Ability to Speak or Write English	
Schools and Colleges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10	<input type="checkbox"/>	Written Tests	
Newspaper Advertisement	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	High School Diploma	
Walk Ins	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5	<input checked="" type="checkbox"/>	College Degree	
Present Employees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10	<input type="checkbox"/>	Union Membership	
Labor Organizations	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	Personal Recommendation	
Minority/Community Organizations	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	Height or Weight	
Others (please identify)				<input type="checkbox"/>	Car Ownership	
APA Sites	<input type="checkbox"/>	<input type="checkbox"/>	50	<input type="checkbox"/>	Arrest Record	
Website	<input type="checkbox"/>	<input type="checkbox"/>	25	<input type="checkbox"/>	Wage Garnishments	

Certification (Read this form and check your statements on it CAREFULLY before signing). I certify that the statements made by me on this BIDDER CONTRACT COMPLIANCE MONITORING REPORT are complete and true to the best of my knowledge and belief, and are made in good faith. I understand that if I knowingly make any misstatements of facts, I am subject to be declared in non-compliance with Section 4a-60, 4a-60a, and related sections of the CONN. GEN. STAT.

(Signature) 	(Title) Executive Director	(Date Signed) 12/31/19	(Telephone) 203-366-5405
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OFFICE OF POLICY AND MANAGEMENT

Enter Division Name

450 CAPITOL AVENUE

MS # enter mail stop number

HARTFORD, CT 06106**GENERAL GRANT CONDITIONS****SECTION 1: Use of Grant Funds.**

The Grantee agrees to expend the grant funds awarded pursuant to this agreement for allowable purposes only and to comply with all of the terms and conditions of the grant award and any related documents that set forth its obligations as Grantee. Grant funds shall not, without advance written approval by the Office of Policy and Management (OPM), be obligated prior to the starting date or subsequent to the end date of the grant period.

SECTION 2: Fiscal Control.

The Grantee shall maintain accounting records and establish policies and provide procedures to assure sound fiscal control, effective management, and efficient use of grant funds. The Grantee shall establish fiscal control and accounting procedures to assure proper disbursement of, and accounting for, grant funds. Accounting procedures must provide for the accurate and timely recording of receipt of funds by source, expenditures made from such funds, and unexpended balances. Controls must be adequate to ensure that expenditures charged to grant activities are made for allowable purposes only.

SECTION 3: Retention of Records and Records Accessibility.

3.1 All services performed by Grantee shall be subject to the inspection and approval of OPM at all times, and Grantee shall furnish all information concerning the services. OPM or its representatives shall have the right, at reasonable hours, to inspect or examine the part of the plant or place of business or any books, records, and other documents of Grantee or its subcontractors or subgrantees pertaining to work performed under this agreement and shall allow such representatives free access to any and all such plants, places of business, books and records. OPM or its representatives will give the Grantee or its subcontractors or subgrantees at least twenty-four (24) hours' notice of such intended examination. At OPM's request, the Grantee or subcontractors or subgrantees shall provide OPM with hard copies or an electronic format of any data or information in the possession or control of the Grantee, subcontractor or subgrantee which pertains to OPM's business under this agreement.

3.2 The Grantee shall retain and maintain accurate records and documents relating to performance of services under this agreement for a minimum of three (3) years starting from the date of submission of the final expenditure report with the following qualifications and shall make them available for inspection and audit by OPM or its representative:

- a. If any litigation, claim or audit is started before the expiration date of the three-year period, the records shall be retained until all litigation, claims or audit findings involving the records have been resolved; and
- b. Records for the purchase of equipment (i.e., non-expendable, tangible personal property) acquired with grant funds shall be retained for three years after the final disposition of said property.

3.3 Any subcontractor or subgrantee under this agreement shall retain and maintain accurate records and documents relating to performance of services under this agreement for a minimum of three (3) years from the expiration of the subcontract or subgrant and shall make them available for inspection and audit by OPM or its representative. The Grantee must incorporate this paragraph verbatim into any agreement it enters into with any subcontractor or subgrantee providing services under this agreement.

SECTION 4: Insurance.

The Grantee agrees that while performing any service specified in this grant, the Grantee shall maintain sufficient insurance (liability and/or other), according to the nature of the service to be performed, so as to "save harmless" OPM and the State of Connecticut from any insurable cause whatsoever. If requested, certificates of insurance shall be filed with OPM prior to the award of funding.

SECTION 5: Conflict of Interest.

No person who is an officer, employee, consultant or review board member of the Grantee shall participate in the selection, award or administration of a contract, subcontract, or subgrant or in the selection and supervision of an employee if a conflict of interest, real or apparent, would be involved. Such a conflict would arise when the officer, employee, consultant, review board member or any member of his/her immediate family, his/her partner, or an organization which employs, or is about to employ any of the above, has a financial interest in the entity or firm selected for the contract, subcontract, or subgrant or when the individual employee is related to any of the foregoing persons.

SECTION 6: Reports.

The Grantee shall submit such reports as OPM shall reasonably request and shall comply with all provisions regarding the submission of such reports. Reports shall include, but not be limited to, revised project narratives, revised budgets and budget narratives, progress reports, financial reports, cash requests, grantee affirmative action packets, and subgrantee packets and budgets. Cash requests may be withheld by OPM until complete and timely reports are received and approved.

SECTION 7: Funding Limitation.

Funding of this project in no way obligates OPM to fund the project in excess of this grant, beyond the period of this grant, or in future years.

SECTION 8: Revised Budget.

If the grant amount and/or the distribution of funds between categories of funds, as identified on the Notice of Grant Award, is different from the amount and/or the distribution in the grant application budget, the Grantee agrees to submit to OPM a revised budget and budget narrative equal to and in the same distribution as the grant award not later than thirty (30) days after signing of the grant. Cash requests will be withheld until the revision is received and approved.

SECTION 9: Audits.

9.1 In accordance with the following conditions, the Grantee agrees to conduct and submit to OPM two completed audit packages with management letters and corrective action plans for audits of each of the fiscal years included in the period of this grant and any amendments thereto.

9.2 If the Grantee meets the requirements of the State Single Audit Act, §§ 4-230 through 4-236, as amended, of the Connecticut General Statutes, the Grantee is required to submit a State Single Audit Report to OPM. Connecticut General Statutes § 4-231 requires those non-state entities which expended a total amount of State Financial Assistance equal to or in excess of \$300,000 in any fiscal year to have either a single audit or a program-specific audit conducted for such fiscal year. A program-specific audit may be conducted if the Grantee received State Financial Assistance from OPM for this grant and it is the only State Financial Assistance that the Grantee has received during this fiscal period. The State Single Audit Report should be filed with OPM no later than six months after the end of the audit period.

9.3 If the Grantee receives any federal funds in this grant, as identified on the Notice of Grant Award, and meets the requirements of OMB Circular A-133, Audits of State and Local Governments and Non Profit Organizations, the Grantee is required to submit an audit conducted in accordance with Generally Accepted Accounting Principles (GAAP) and/or Generally Accepted Governmental Auditing Standards (GAGAS) issued by the Comptroller General of the United States, as well as OMB Circular A-133. This circular requires those state and local governments and non-profit organizations which expended a total amount of federal financial assistance equal to or in excess of \$750,000 in any fiscal year to have a federal single audit or a program-specific audit conducted for such fiscal year. A program-specific audit may be conducted if the Grantee receives Financial Assistance under only one federal program. For audit purposes, State or grantee match funds, as identified on the Notice of Grant Award, are subject to the same requirements as the federal monies. OMB Circular A-133 requires that the audit report be submitted by the earlier of 30 days after the date of receipt of the auditor's report(s), or 9 months after the end of the audit period.

SECTION 10: Unexpended Funds and/or Disallowed Costs.

If project costs are less than the grant, and/or any project costs have been disallowed, the Grantee agrees to return the unexpended/disallowed funds to OPM no later than sixty (60) days following closeout of the grant.

SECTION 11: Nondiscrimination and Affirmative Action.

11.1 The Grantee agrees to comply with each provision of Connecticut General Statutes §§ 4a-60, 4a-60a, 46a-68e and 46a-68f, and with each regulation or relevant order issued by the Commission on Human Rights and Opportunities (CHRO) pursuant to Connecticut General Statutes §§ 46a-56, 46a-68e, 46a-68f, and 46a-86 related to affirmative action and nondiscrimination provisions in contracts, compliance, and reporting.

11.2 In accordance with Connecticut General Statutes § 4a-60(a)(1) the Grantee agrees and warrants that in the performance of the Grant Award such Grantee will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, status as a veteran, intellectual disability, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such Grantee that such disability prevents performance of the work involved, in any manner prohibited by the laws of the United States or the State of Connecticut.

11.3 In accordance with Connecticut General Statutes § 4a-60(a)(1) the Grantee agrees to take affirmative action to ensure that applicants with job-related qualifications are employed and that employees are treated when employed without regard to their race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, status as a veteran, intellectual disability, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such Grantee that such disability prevents performance of the work involved.

11.4 In accordance with Connecticut General Statutes § 4a-60(a)(2) the Grantee agrees, in all solicitations or advertisements for employees placed by or on behalf of the Grantee, to state that it is an "affirmative action-equal opportunity employer" in accordance with regulations adopted by CHRO.

11.5 In accordance with Connecticut General Statutes § 4a-60a(a)(1) the Grantee agrees and warrants that in the performance of the grant such Grantee will not discriminate or permit discrimination against any person or group of persons on the grounds of sexual orientation, in any manner prohibited by the laws of the United States or of the State of Connecticut, and that employees are treated when employed without regard to their sexual orientation.

11.6 In accordance with Connecticut General Statutes §§ 4a-80(a)(3) and 4a-60a(a)(2) the Grantee agrees to provide each labor union or representative of workers with which such Grantee has a collective bargaining agreement or other contract or understanding and each vendor with which such Grantee has a contract or understanding, a notice to be provided by CHRO advising the labor union or workers' representative of the Grantee's commitments, and to post copies of the notice in conspicuous places available to employees and applicants for employment.

11.7 In accordance with Connecticut General Statutes §§ 4a-60(a)(5) and 4a-60a(a)(4), the Grantee agrees to provide CHRO with such information requested by the Commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the Grantee which relate to the provisions of this section and Connecticut General Statutes § 46a-56.

11.8 In accordance with Connecticut General Statutes § 4a-60(b) if the grant is a public works contract, the Grantee agrees and warrants that the Grantee will make good faith efforts to employ minority business enterprises as subcontractors and suppliers of materials on such public works or quasi-public agency project. The Grantee shall develop and maintain adequate documentation, in a manner prescribed by CHRO, of its good faith efforts, pursuant to Connecticut General Statutes §§ 4a-60(f) and 4a-60(g), respectively. For the purposes of this document, "Public Works Contract" is defined in accordance with Connecticut General Statutes § 46a-68b; and "Minority Business Enterprise" is defined in accordance with § 4a-60(e).

11.9 In accordance with §§ 4a-60(h) and 4a-60a(c) the Grantee shall include the provisions of subsections 11.1 to 11.8 inclusive, in every subcontract or purchase order entered into in order to fulfill any obligation of a grant with the State, and such provisions shall be binding on a subcontractor, vendor or manufacturer unless exempted by regulations or orders of CHRO. The Grantee shall take such action with respect to any such subcontract or purchase order as the Commission may direct as a means of enforcing such provisions including sanctions for noncompliance in accordance with Connecticut General Statutes § 46a-56; provided, if such Grantee becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the Commission regarding a state contract, the Grantee may request the State of Connecticut to enter into any such litigation or negotiation prior thereto to protect the interests of the State and the State may so enter.

11.10 For the purposes of this entire Nondiscrimination section, "Grant Award" includes any extension or modification of the Grant Award, "Grantee" includes any successors or assigns of the Grantee, "marital status" means being single, married as recognized by the state of Connecticut, widowed, separated or divorced, and "mental disability" means one or more mental disorders, as defined in the most recent edition of the American Psychiatric Association's "Diagnostic and Statistical Manual of Mental Disorders", or a record of or regarding a person as having one or more such disorders. For the purposes of this section, "Grant Award" does not include a grant where each grantee is (1) a political subdivision of the State of Connecticut, including, but not limited to municipalities, unless the contract is a municipal public works contract or quasi-public agency project contract, (2) any other state of the United States, including but not limited to, the District of Columbia, Puerto Rico, U.S. territories and possessions, and federally recognized Indian tribal governments, as defined in Connecticut General Statutes § 1-267, (3) the federal government, (4) a foreign government, or (5) an agency of a subdivision, state or government described in subdivision (1), (2), (3), or (4) of this subsection.

SECTION 12: Executive Orders.

12.1 This agreement is subject to the provisions of Executive Order No. Three of Governor Thomas J. Meskill regarding nondiscrimination promulgated June 16, 1971, and such Executive Order is incorporated herein by reference and made a part thereof. The parties agree to abide by said Executive Order and agree that the State Labor Commissioner shall have continuing jurisdiction in respect to contract performance in regard to nondiscrimination until the agreement is completed or terminated prior to completion. This agreement may be canceled, terminated or suspended by the State Labor Commissioner for violation of or noncompliance with said Executive Order or any state or federal law concerning nondiscrimination, notwithstanding that the Labor Commissioner is not a party to this agreement.

12.2 This agreement is subject to the provisions of Executive Order No. Seventeen of Governor Thomas J. Meskill promulgated February 15, 1973, requiring contractors and subcontractors to list employment openings with the Connecticut State Employment Service and such Executive Order is incorporated herein by reference and made a part thereof. The parties agree to abide by said Executive Order and agree that the granting agency and the State Labor Commissioner shall have joint and several continuing jurisdiction in respect to performance in regard to listing all employment openings with the Connecticut State Employment Service. This agreement may be canceled, terminated or suspended by the granting agency or the State Labor Commissioner for violation of or noncompliance with said Executive Order No. Seventeen, notwithstanding that the Labor Commissioner is not a party to this agreement.

12.3 This agreement is subject to the provisions of Executive Order No. Sixteen of Governor John G. Rowland promulgated August 4, 1999, regarding Violence in the Workforce Prevention and, such Executive Order is incorporated herein by reference and made a part thereof. This agreement may be canceled, terminated or suspended by the State for violation of or noncompliance with said Executive Order No. Sixteen.

SECTION 13: Americans with Disabilities Act.

This section applies to those grantees, which are or will become responsible for compliance with the terms of the Americans with Disabilities Act of 1990 during the grant award period. The Grantee represents that it is familiar with the terms of this Act and that it is in compliance with the law. Failure of the Grantee to satisfy this standard either now or during the period of the grant, as it may be amended, will render the grant voidable at the option of OPM upon notice to the Grantee. The Grantee warrants that it will hold OPM and the State harmless from any liability, which may be imposed upon OPM and the State as a result of any failure of the Grantee to be in compliance with this Act.

SECTION 14: Independent Contractor.

The Grantee shall act as an independent contractor in performing this agreement, maintaining complete control over its employees and all of its subcontractors. Before hiring outside consultants or entering into contractual agreements with persons, partnerships or companies, the Grantee will notify OPM of the contractor's identity.

SECTION 15: Federal Compliance and Assurances.

If the Grantee receives any federal funds in this grant, as identified on the Notice of Grant Award, the Grantee and all its subgrantees will comply with the nondiscrimination requirement of Title VI of the Civil Rights Act of 1964; Title IX of the Education Amendments of 1972; Section 504 of the Rehabilitation Act of 1973 as amended; and the Age Discrimination Act of 1975, to the effect that no person shall, on the grounds

of race, color, national origin, age, sex, or disability, be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under, or denied employment in connection with any program or activity funded in whole or in part with funds made available in this grant.

SECTION 16: Non-Supplanting.

16.1 If the Grantee receives any federal funds in this grant as identified on the Notice of Grant Award, the Grantee agrees that these grant funds will be used to supplement and increase, but not supplant, the level of state, local, private and federal funds that would, otherwise, be made available for this project and to serve this target population and will in no event replace such state, local, private and federal funds.

16.2 The Grantee shall not use state funds conveyed by the grant to supplant any local funds, if a municipality, or other state funds, if a state agency, which were budgeted for purposes analogous to that of the state grant funds. OPM may waive this provision upon request and for good cause shown, when it is satisfied that the reduction in local funds or other state funds, as the case may be, is due to circumstances not related to the grant.

SECTION 17: Additional Federal Conditions.

If the Grantee receives any federal funds in this grant as identified on the Notice of Grant Award, the Grantee agrees to comply with the attached Additional Federal Conditions which have been issued by the federal grantor agency to OPM and which are, hereby, made a part of this grant award.

SECTION 18: Indemnification.

The Grantee, hereby, agrees to indemnify, defend and save harmless the State of Connecticut, including, but not limited to, OPM, their respective officers, employees and agents for any breach of this agreement.

SECTION 19: Large State Contracts.

Pursuant to Connecticut General Statutes §§ 4-250 and 4-252, Contractor must present at the execution of each large state contract (having a total cost to the State of more than \$500,000 in a calendar or fiscal year) an executed gift affidavit, which Contractor shall update as prescribed by Connecticut General Statutes § 4-252(a). In addition, pursuant to Governor Dannel P. Malloy's Executive Order No. 49, anyone who executes and files said gift affidavit shall also execute and file a campaign contribution affidavit disclosing all contributions made to campaigns of candidates for statewide public office or the General Assembly.

SECTION 20: State Contracting Standards Board.

Pursuant to Connecticut General Statute §4e-7 the Grantee acknowledges and accepts that, for cause, the State Contracting Standards Board may review and recommend, for OPM's consideration and final OPM determination, termination of this grant contract. "For Cause" means: (1) a violation of the State ethics laws (Chapter 10 of the Connecticut General Statutes) or Connecticut General Statutes § 4a-100 or (2) wanton or reckless disregard of any State contracting and procurement process by any person substantially involved in such contract or state contracting agency.

SECTION 21: Municipal Public Works Contracts and Quasi-Public Agency Projects Funded in Whole or Part by the State in Excess of \$50,000.

Municipalities awarding municipal public works contracts and quasi-public agencies entering into contracts for quasi-public agency projects, funded in whole or part with grant funds awarded pursuant to this agreement, shall adhere to the requirements of Connecticut General Statutes §§ 4a-60, 4a-60a, 4a-60g, 46a-56, 46a-68c, 46a-68d, 46a-68g, and 46a-86 relating, but not limited to: nondiscrimination, affirmative action, and the set-aside program for small contractors and minority business enterprises. "Municipal Public Works Contract" is defined in accordance with Connecticut General Statutes § 4a-60g(a)(14) and "Quasi Public Agency Project" is defined in accordance with Connecticut General Statutes § 4a-60g(a)(15).

SECTION 22: Campaign Contribution and Solicitation Prohibitions.

For all State contracts as defined in § 9-612 of the Connecticut General Statutes having a value in a calendar year of \$50,000 or more or a combination or series of such agreements or contracts having a value of \$100,000 or more, the authorized signatory to this agreement expressly acknowledges receipt of the State Elections Enforcement Commission's notice advising state contractors of state campaign

contribution and solicitation prohibitions, and will inform its principals of the contents of the notice. See Attachment A.

SECTION 23: Nondiscrimination Certification.

Pursuant to Connecticut General Statutes §§ 4a-60 and 4a-60a every Grantee is required to provide the State with a nondiscrimination certificate for all State contracts regardless of type, term, cost or value. Notwithstanding the foregoing, the types of Grantees listed in section 11.10 are not required to file a nondiscrimination certificate. The appropriate form must be submitted to the awarding agency (as defined by Connecticut General Statutes §4a-60g) prior to contract execution. Copies of "nondiscrimination certification" forms that will satisfy the statutory requirements may be found on OPM's website. The applicable certification form must be signed by an authorized signatory of the Grantee.

SECTION 24: Additional Restrictions on Use of Federal Funds.

Pursuant to 18 U.S.C. § 1913 and 31 U.S.C. § 1352, Grantee understands and agrees that it cannot use any federal funds, either directly or indirectly, in support of the enactment, repeal, modification or adoption of any law, regulation or policy, at any level of government without the express prior written approval of federal government.

SECTION 25: Iran Certification.

Effective October 1, 2013, OPM Iran Certification Form 7 must be submitted for any large state contract, as defined in § 4-250 of the Connecticut General Statutes. OPM Iran Certification Form 7 must always be submitted with the bid or proposal, or if there was no bid process, with the resulting contract, regardless of where the principal place of business is located. Entities whose principal place of business is located outside of the United States are required to complete the entire form, including the certification portion of the form. United States subsidiaries of foreign corporations are exempt from having to complete the certification portion of the form. Those entities whose principal place of business is located inside of the United States must also fill out the form, but do not have to complete the certification portion of the form.

SECTION 26: Forum and Choice of Law.

The parties deem the Grant to have been made in the City of Hartford, State of Connecticut. Both parties agree that it is fair and reasonable for the validity and construction of the Grant to be, and it shall be, governed by the laws and court decisions of the State of Connecticut, without giving effect to its principles of conflicts of laws. To the extent that any immunities provided by Federal law or the laws of the State of Connecticut do not bar an action against the State, and to the extent that these courts are courts of competent jurisdiction, for the purpose of venue, the complaint shall be made returnable to the Judicial District of Hartford only or shall be brought in the United States District Court for the District of Connecticut only, and shall not be transferred to any other court, provided, however, that nothing here constitutes a waiver or compromise of the sovereign immunity of the State of Connecticut. The Grantee waives any objection which it may now have or will have to the laying of venue of any Claims in any forum and further irrevocably submits to such jurisdiction in any suit, action or proceeding.

Section 27: Requirements for Nonprofit Organizations.

If the Grantee is a nonprofit organization, the Grantee agrees to maintain its 501(c)(3) status and to maintain up-to-date annual filings as follows: (1) Certificate of Legal Existence with the Connecticut Secretary of the State; (2) Charitable Organization Registration with the Connecticut Department of Consumer Protection, unless exempted by Connecticut General Statutes § 21a-190d; and (3) Return of Organization Exempt From Income Tax Form 990 with the Internal Revenue Service. At OPM's request, the Grantee shall provide OPM with documentation pertaining to Grantee's 501(c) (3) and/or annual filings.

SECTION 28: Special Grant Conditions.

The Grantee agrees to comply with the attached Special Grant Conditions, which have been issued in connection with this specific grant award, and which are hereby made a part of this award.

ATTACHMENT A

NOTICE TO EXECUTIVE BRANCH STATE CONTRACTORS AND PROSPECTIVE STATE CONTRACTORS OF CAMPAIGN CONTRIBUTION AND SOLICITATION BAN

This notice is provided under the authority of Connecticut General Statutes Section 9-612(g)(2), as amended by P.A. 10-1, and is for the purpose of informing state contractors and prospective state contractors of the following law (italicized words are defined below):

Campaign Contribution and Solicitation Limitations

No state contractor, prospective state contractor, principal of a state contractor or principal of a prospective state contractor, with regard to a *state contract* or *state contract solicitation* with or from a state agency in the executive branch or a quasi-public agency or a holder, or principal of a holder of a valid prequalification certificate, shall make a contribution to (i) an exploratory committee or candidate committee established by a candidate for nomination or election to the office of Governor, Lieutenant Governor, Attorney General, State Comptroller, Secretary of the State or State Treasurer, (ii) a political committee authorized to make contributions or expenditures to or for the benefit of such candidates, or (iii) a party committee (which includes town committees).

In addition, no holder or principal of a holder of a valid prequalification certificate, shall make a contribution to (i) an exploratory committee or candidate committee established by a candidate for nomination or election to the office of State senator or State representative, (ii) a political committee authorized to make contributions or expenditures to or for the benefit of such candidates, or (iii) a party committee.

On and after January 1, 2011, no state contractor, prospective state contractor, principal of a state contractor or principal of a prospective state contractor, with regard to a state contract or state contract solicitation with or from a state agency in the executive branch or a quasi-public agency or a holder, or principal of a holder of a valid prequalification certificate, shall **knowingly solicit** contributions from the state contractor's or prospective state contractor's employees or from a *subcontractor* or *principals of the subcontractor* on behalf of (i) an exploratory committee or candidate committee established by a candidate for nomination or election to the office of Governor, Lieutenant Governor, Attorney General, State Comptroller, Secretary of the State or State Treasurer, (ii) a political committee authorized to make contributions or expenditures to or for the benefit of such candidates, or (iii) a party committee.

Duty to Inform

State contractors and prospective state contractors are required to inform their principals of the above prohibitions, as applicable, and the possible penalties and other consequences of any violation thereof.

Penalties for Violations

Contributions or solicitations of contributions made in violation of the above prohibitions may result in the following civil and criminal penalties:

Civil penalties—Up to \$2,000 or twice the amount of the prohibited contribution, whichever is greater, against a principal or a contractor. Any state contractor or prospective state contractor which fails to make reasonable efforts to comply with the provisions requiring notice to its principals of these prohibitions and the possible consequences of their violations may also be subject to civil penalties of up to \$2,000 or twice the amount of the prohibited contributions made by their principals.

Criminal penalties—Any knowing and willful violation of the prohibition is a Class D felony, which may subject the violator to imprisonment of not more than 5 years, or not more than \$5,000 in fines, or both.

Contract Consequences

In the case of a state contractor, contributions made or solicited in violation of the above prohibitions may result in the contract being voided.

In the case of a prospective state contractor, contributions made or solicited in violation of the above prohibitions shall result in the contract described in the state contract solicitation not being awarded to the prospective state contractor, unless the State Elections Enforcement Commission determines that mitigating circumstances exist concerning such violation.

The State shall not award any other state contract to anyone found in violation of the above prohibitions for a period of one year after the election for which such contribution is made or solicited, unless the State Elections Enforcement Commission determines that mitigating circumstances exist concerning such violation.

Definitions:

"State contractor" means a person, business entity or nonprofit organization that enters into a state contract. Such person, business entity or nonprofit organization shall be deemed to be a state contractor until December thirty-first of the year in which such contract terminates. "State contractor" does not include a municipality or any other political subdivision of the state, including any entities or associations duly created by the municipality or political subdivision exclusively amongst themselves to further any purpose authorized by statute or charter, or an employee in the executive or legislative branch of state government or a quasi-public agency, whether in the classified or unclassified service and full or part-time, and only in such person's capacity as a state or quasi-public agency employee.

"Prospective state contractor" means a person, business entity or nonprofit organization that (i) submits a response to a state contract solicitation by the state, a state agency or a quasi-public agency, or a proposal in response to a request for proposals by the state, a state agency or a quasi-public agency, until the contract has been entered into, or (ii) holds a valid prequalification certificate issued by the Commissioner of Administrative Services under section 4a-100. "Prospective state contractor" does not include a municipality or any other political subdivision of the state, including any entities or associations duly created by the municipality or political subdivision exclusively amongst themselves to further any purpose authorized by statute or charter, or an employee in the executive or legislative branch of state government or a quasi-public agency, whether in the classified or unclassified service and full or part-time, and only in such person's capacity as a state or quasi-public agency employee.

"Principal of a state contractor or prospective state contractor" means (i) any individual who is a member of the board of directors of, or has an ownership interest of five per cent or more in, a state contractor or prospective state contractor, which is a business entity, except for an individual who is a member of the board of directors of a nonprofit organization, (ii) an individual who is employed by a state contractor or prospective state contractor, which is a business entity, as president, treasurer or executive vice president, (iii) an individual who is the chief executive officer of a state contractor or prospective state contractor, which is not a business entity, or if a state contractor or prospective state contractor has no such officer, then the officer who duly possesses comparable powers and duties, (iv) an officer or an employee of any state contractor or prospective state contractor who has *managerial or discretionary responsibilities with respect to a state contract*, (v) the spouse or a *dependent child* who is eighteen years of age or older of an individual described in this subparagraph, or (vi) a political committee established or controlled by an individual described in this subparagraph or the business entity or nonprofit organization that is the state contractor or prospective state contractor.

"State contract" means an agreement or contract with the state or any state agency or any quasi-public agency, let through a procurement process or otherwise, having a value of fifty thousand dollars or more, or a combination or series of such agreements or contracts having a value of one hundred thousand dollars or more in a calendar year, for (i) the rendition of services, (ii) the furnishing of any goods, material, supplies, equipment or any items of any kind, (iii) the construction, alteration or repair of any public building or public work, (iv) the acquisition, sale or lease of any land or building, (v) a licensing arrangement, or (vi) a grant, loan or loan guarantee. "State contract" does not include any

agreement or contract with the state, any state agency or any quasi-public agency that is exclusively federally funded, an education loan, a loan to an individual for other than commercial purposes or any agreement or contract between the state or any state agency and the United States Department of Navy or the United States Department of Defense.

"State contract solicitation" means a request by a state agency or quasi-public agency, in whatever form issued, including, but not limited to, an invitation to bid, request for proposals, request for information or request for quotes, inviting bids, quotes or other types of submittals, through a competitive procurement process or another process authorized by law waiving competitive procurement.

"Managerial or discretionary responsibilities with respect to a state contract" means having direct, extensive and substantive responsibilities with respect to the negotiation of the state contract and not peripheral, clerical or ministerial responsibilities.

"Dependent child" means a child residing in an individual's household who may legally be claimed as a dependent on the federal income tax of such individual.

"Solicit" means (A) requesting that a contribution be made, (B) participating in any fund-raising activities for a candidate committee, exploratory committee, political committee or party committee, including, but not limited to, forwarding tickets to potential contributors, receiving contributions for transmission to any such committee or bundling contributions, (C) serving as chairperson, treasurer or deputy treasurer of any such committee, or (D) establishing a political committee for the sole purpose of soliciting or receiving contributions for any committee. Solicit does not include: (i) making a contribution that is otherwise permitted by Chapter 155 of the Connecticut General Statutes; (ii) informing any person of a position taken by a candidate for public office or a public official, (iii) notifying the person of any activities of, or contact information for, any candidate for public office; or (iv) serving as a member in any party committee or as an officer of such committee that is not otherwise prohibited in this section.

"Subcontractor" means any person, business entity or nonprofit organization that contracts to perform part or all of the obligations of a state contractor's state contract. Such person, business entity or nonprofit organization shall be deemed to be a subcontractor until December thirty first of the year in which the subcontract terminates. "Subcontractor" does not include (i) a municipality or any other political subdivision of the state, including any entities or associations duly created by the municipality or political subdivision exclusively amongst themselves to further any purpose authorized by statute or charter, or (ii) an employee in the executive or legislative branch of state government or a quasi-public agency, whether in the classified or unclassified service and full or part-time, and only in such person's capacity as a state or quasi-public agency employee.

"Principal of a subcontractor" means (i) any individual who is a member of the board of directors of, or has an ownership interest of five per cent or more in, a subcontractor, which is a business entity, except for an individual who is a member of the board of directors of a nonprofit organization, (ii) an individual who is employed by a subcontractor, which is a business entity, as president, treasurer or executive vice president, (iii) an individual who is the chief executive officer of a subcontractor, which is not a business entity, or if a subcontractor has no such officer, then the officer who duly possesses comparable powers and duties, (iv) an officer or an employee of any subcontractor who has managerial or discretionary responsibilities with respect to a subcontract with a state contractor, (v) the spouse or a dependent child who is eighteen years of age or older of an individual described in this subparagraph, or (vi) a political committee established or controlled by an individual described in this subparagraph or the business entity or nonprofit organization that is the subcontractor.

**STATE OF CONNECTICUT
OFFICE OF POLICY AND MANAGEMENT**

Enter Division Name
450 CAPITOL AVENUE
MS # Enter Mail Stop Number
HARTFORD, CT 06106

SPECIAL GRANT CONDITIONS

Check applicable box, if required.

- 1. The Grantee agrees to complete and submit to OPM a revised project narrative not later than thirty (30) days after signing this grant award. The Grantee must contact OPM program staff at **enter contact info** regarding the required revisions.
- 2. Specific funding limitations have been applied to this grant. Please contact OPM program staff at **enter contact info** for further detail on these funding restrictions.
- 3. The Grantee is required to participate in training session(s) on **Select Date**. The Grantee must contact **enter contact info** to schedule training and determine if there are other technical assistance opportunities.
- 4. The Grantee must submit to OPM for review and approval a revised budget itemization for any proposed change (1) which will alter a budget category by more than 10% of the budget category or by more than \$500, whichever is greater, or (2) which places resources in a budget category not previously funded. Significant changes in the use of funds within a budget category, while not requiring a formal budget revision, should be reported to OPM by letter.
- 5. The Grantee must submit to OPM for review and approval a revised budget itemization for any proposed change (1) which will alter a budget category or (2) which moves resources between budget categories or (3) which moves resources to a line-item not previously approved by OPM
- 6. The Grantee, including all other recipients of assistance under the grant, whether by contract, subcontract, or subgrant, upon request, agrees to cooperate with research and evaluation efforts of OPM or any party designated by OPM for such purpose. The Grantee further agrees that such cooperation includes but is not limited to: (1) collecting and maintaining project data, including client data, (2) supplying project data to OPM or its designee; and (3) permitting access by OPM or its designee to any and all project information whether stored by manual or electronic means.
- 7. Grantee's attendance at all training events, seminars and conferences must be approved by OPM prior to submitting registration for the event. Requests to attend training events must include names of staff, purpose of training, justification/need for training, location, dates and costs. Staff attending training events may be required to present a summary of the training to OPM and/or other Grantees.
- 8. It will be the sole responsibility of the Grantee, and its staff, to insure that any report, article, computer program, database or other product or publication, whether oral or in writing, resulting from the performance of duties pursuant to this grant application and grant award, protects the privacy of confidential information and complies with confidentiality and privacy rights and obligations created by any federal and state law, court rules, or rules of professional conduct applicable to the work performed by the Grantee.

- 9. The Grantee certifies that the application on which this grant is based was presented to the superintendent of schools for its school district and his or her comments thereon were given consideration prior to the submission of the application to OPM.
- 10. The Grantee shall comply with the following statutes, regulations, guidelines and requirements, to the extent applicable and mandated by the controlling underlying federal grant program:
 - Section 3789d(c), Omnibus Crime Control and Safe Streets Act of 1968, as amended.
 - 28 C.F.R. Part 42, Subparts C, D, E.
 - 28 C.F.R. Part 23 (Criminal Intelligence Systems).
 - 28 C.F.R. Part 38 (Equal Treatment of Faith Based Organizations).
 - U.S. Department of Justice, Office of Justice Program (OJP) Financial Guide.
 - To avoid duplicating existing networks or IT systems in any initiatives funded by Bureau of Justice (BJA) for law enforcement information sharing systems, which involve interstate connectivity between jurisdiction, such systems shall employ, to the extent possible, existing networks as the communication backbone to achieve interstate connectivity, unless the Grantee can demonstrate to the satisfaction of BJA that this requirement would not be cost effective or would impair the functionality of an existing or proposed IT system.
 - Throughout the award period, the Grantee must ensure ongoing compliance with 8 U.S.C. § 1373. Among other things, Section 1373 bars prohibitions or restrictions on communication between State and local law enforcement agencies and officials and the Department of Homeland Security (and certain other entities) with respect to information regarding the citizenship or immigration status of any individual.
- 11. The Grantee agrees to and shall comply with all other applicable attachments provided by the federal government, as may be amended.
- 12. The Grantee agrees to and shall comply with the scope of work in the Grant, as may be amended.
- 13. The Grantee shall comply with all requirements of the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, as amended, that are attached hereto.
- 14. Municipalities receiving discretionary state funding pursuant to this agreement shall be in compliance with C.G.S. § 8-23 and shall have adopted a plan of conservation and development (POCD) within the past ten years. If a municipality has not adopted a POCD within the past ten years, the municipality (1) in accordance with C.G.S. § 8-23(a)(2), has submitted a letter to the Secretary of the Office of Policy and Management and the Commissioners of Transportation, Energy and Environmental Protection, and Economic and Community Development explaining why the POCD has not been adopted within the past ten years, and (2) in accordance with C.G.S. § 8-23(b), has received written communication from the Secretary of the Office of Policy and Management waiving the prohibition of discretionary state funding pursuant to this agreement.
- 15. If applicable, the Grantee shall grant to other Connecticut municipalities or towns and/or the State limited, non-exclusive and royalty free license to use any Proprietary Computer Software or related electronic applications and all updates, upgrades and modifications developed pursuant to this Grant, but excluding Third-Party Software. For the purpose of this grant "Computer Software" means (i) computer programs that comprise a series of instructions, rules, routines, or statements, regardless of the media in which recorded, that allow or cause a computer to perform a specific operation or series of operations; and (ii) recorded information comprised of source code listings, design details, algorithms, processes, flow charts, formulas, and related material that would enable the computer program to be produced, created, or compiled.

- 16. If applicable, during the term of this Grant, including any extension thereof, Grantee and, if applicable, Grantee's subcontractor, shall install, run and maintain all upgrades, enhancements, and new releases of Grantee's proprietary Computer Software and Grantee's subcontractor's Computer Software and provide copies of such to all third parties granted a license to use such Computer Software.

TOWN OF TRUMBULL
BOARD OF FINANCE

REQUEST FOR ACTION

DATE: 9-Jan-20
AGENDA: 01-20-01
AMOUNT: \$31,000

2020-2021

(A) APPROPRIATION [X]

FROM: ACCOUNT NO.
ACCOUNT NAME General Fund - Fund Balance \$31,000

(B) TRANSFER []

(C) BOND []

TO: ACCOUNT NO. 01022600-581888
ACCOUNT NAME EMS-Capital Outlay \$31,000

(D) SUMMARY OF REQUEST:

To install security cameras in and outside of the building and ambulance bays.

(E) REQUESTED BY:

Leigh Goodman, EMS Chief

(F) SUPPORTING DATA:

See attached

(G) CONCURRENCE:

[] YES [] NO [X] NEED ADD'L INFORMATION ↓



Vicki A. Tesoro, First Selectman

(H) BOARD OF FINANCE ACTION:

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

* There may be 8 cameras that can be repurposed from a different site that will reduce the total amount requested by Leigh Goodman. This is being investigated and will be discussed at the Board of Finance meeting.

TRANSFER NUMBER	ACCOUNT DESCRIPTION	ACCOUNT #	BALANCE BEFORE TRANSFER	AMOUNT OF TRANSFER	BALANCE AFTER TRANSFER
01-20-01	FROM GENERAL FUND - FUND BALANCE			<u>(31,000.00)</u>	
	TO EMS CAPITAL OUTLAY	01022600-581888	11,350.00	31,000.00	42,350.00
	TO INSTALL SECURITY CAMERAS IN AND OUTSIDE THE BUILDING AND AMBULANCE BAYS				

DATE	FROM	TO ACCOUNT NAME	TO ACCOUNT NUMBER	ITEM	AMOUNT
01/09/2020	General Fund	EMS-Capital Outlay	#01022600- 581888	SECURITY	\$31,000.00
ACCOUNT TOTAL					\$31,000.00

ITEM REQUEST SUMMARY FOR SECURITY UPGRADE

TRUMBULL EMS FUNDING FOR SECURITY UPGRADE

Trumbull EMS is requesting supplemental funding to cover costs for installation of security cameras to the interior and exterior of EMS building and secure access into site, and key controlled areas.

ITEM DESCRIPTION	ITEM DETAIL	COST
ACCESS CONTROL	Detail available on request	\$11,500.00
VIDEO SURVEILLANCE	Detail available on request	\$19,500.00
TOTAL		\$31,000.00

Trumbull EMS is conducting an ongoing detailed needs analysis and long term action plan for continued resource maintenance, growth & expansion, ensuring continued fiscally responsible, reliable and clinically excellent prehospital care to our community.

As part of this assessment, we found a critical need for upgraded building security to ensure our staff, fleet, supplies and property are kept safe. We are immediately addressing the most pressing requirements to adequately mitigate risk to our staff and operation.



Payable to: Omni Data, LLC
 PO Box 26653
 West Haven, CT 06516
 203-387-6664
 203-387-8745 FAX

QUOTE

Quote # Q2YQ10178
 Date 11/26/19
 Sales Rep. Adamw

Quote To:

Trumbull Town Hall
 William Chin
 5866 Main Street

Trumbull CT 06611

Ship To:

Trumbull Town Hall
 William Chin
 5866 Main Street

Trumbull CT 06611

Here is the quote you requested.

Qty	Description	Unit Price	Ext. Price
	Trumbull EMS		
	Access Control		
5	HID Reader	\$183.74	\$918.70
4	HES Electric Strikes	\$189.99	\$759.96
1	HES Electric Strikes	\$349.99	\$349.99
1	S2 Network Node	\$1,312.50	\$1,312.50
3	S2 ACM Blade	\$555.00	\$1,665.00
1	Altronix Power Supply	\$306.24	\$306.24
5	Dual Pole Door Contact	\$24.99	\$124.95
5	Request to Exit Sensor	\$77.49	\$387.45
5	Access Control Cable Runs	\$200.00	\$1,000.00
1	Installation / Configuration	\$4,560.00	\$4,560.00
	SubTotal		\$11,384.79
	Video Surveillance		
1	AXIS P3717-PLE 8 Megapixel Network Camera - Color, Monochrome - 49.21 ft Night Vision - H.264, MPEG-4, MJPEG - 1920 x 1080 - 3 mm - 6 mm - 2x Optical - CMOS - Cable - Dome - Bracket Mount	\$1,214.10	\$1,214.10
1	Axis T91A64 Corner Bracket	\$71.10	\$71.10
1	AXIS T91D61 Wall Mount for Surveillance Camera	\$75.60	\$75.60
1	AXIS T94N01D Pendant Mount	\$80.10	\$80.10
1	AXIS P3225-LVE MK II 2 Megapixel Network Camera - 1920 x 1080 - 3.5x Optical - Bracket Mount	\$629.06	\$629.06
7	AXIS P3225-LV Mk II 2 Megapixel Network Camera - Color - 1920 x 1080 - 3 mm - 10.50 mm - 3.5x Optical - Cable - Dome	\$522.78	\$3,659.46
2	AXIS P1447-LE 5 Megapixel Network Camera - Cable	\$674.06	\$1,348.12
11	Milestone Pro License	\$130.38	\$1,434.18
11	Cat6 Cable Runs	\$275.00	\$3,025.00
1	AXIS T8524 Ethernet Switch - 24 Ports - Manageable - 2 Layer Supported - Modular - Twisted Pair, Optical Fiber	\$809.05	\$809.05

Prices are subject to change without notice. Terms are NET 30 and subject to 1.5% monthly fee for unpaid balance. Signing this quote is agreeing to Omni Data, LLC's terms and conditions which can be found at <http://www.omnianswers.net/terms-and-conditions.pdf>

Qty	Description	Unit Price	Ext. Price
1	OPTIONAL - Local Recording Server	\$3,500.00	\$3,500.00
1	Misc	\$315.00	\$315.00
1	Installation / Configuration	\$3,040.00	\$3,040.00
	SubTotal		\$19,200.77
		SubTotal	\$30,585.56
		Sales Tax	\$0.00
		Shipping	\$0.00
		Total	\$30,585.56

Signature: _____ Date: _____

Printed Name: _____ Title: _____

Note:

Labor quotes (applicable only if labor is included on this quotation) are estimates based on reasonable expectations and assumed physical environment. Variations in either may require an amendment to actual total but we will never charge more without prior consent from customer.

Prices are subject to change without notice. Terms are NET 30 and subject to 1.5% monthly fee for unpaid balance. Signing this quote is agreeing to Omni Data, LLC's terms and conditions which can be found at <http://www.omnianswers.net/terms-and-conditions.pdf>

TOWN OF TRUMBULL
BOARD OF FINANCE

REQUEST FOR ACTION

DATE: 9-Jan-20
AGENDA: 01-20-02
AMOUNT: \$8,300

2020-2021

(A) APPROPRIATION [X]

FROM: ACCOUNT NO.
ACCOUNT NAME General Fund - Fund Balance \$8,300

(B) TRANSFER []

(C) BOND []

TO: ACCOUNT NO. 01022600-581888
ACCOUNT NAME EMS-Capital Outlay \$8,300

(D) SUMMARY OF REQUEST:

Stretcher for new ambulance (1/5 of \$41,500). Not part of initial ambulance purchase.

(E) REQUESTED BY:

Leigh Goodman, EMS Chief

(F) SUPPORTING DATA:

See attached

(G) CONCURRENCE:

YES NO NEED ADD'L INFORMATION



Vicki A. Tesoro, First Selectman

(H) BOARD OF FINANCE ACTION:

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

TRANSFER NUMBER	ACCOUNT DESCRIPTION	ACCOUNT #	BALANCE BEFORE TRANSFER	AMOUNT OF TRANSFER	BALANCE AFTER TRANSFER
01-20-02	FROM GENERAL FUND - FUND BALANCE			(8,300.00)	
	TO EMS CAPITAL OUTLAY	01022600-581888	43,350.00	8,300.00	51,650.00

STRETCHER FOR NEW AMBULANCE THAT WAS NOT PART
OF THE INITIAL AMBULANCE PURCHASE (1/5 OF \$41,500)

ITEM REQUEST SUMMARY FOR POWER LOAD SYSTEM

TRUMBULL AMBULANCE 904 POWERLOAD SYSTEM/STRETCHER REPLACEMENT

Trumbull EMS is requesting supplemental funding to purchase a new powered loading system for the new ambulance. The costs of this CT State required equipment were inadvertently left out of our Capital Budget when the new ambulance was considered, as this item was planned for during our transitional leadership year.

NEW STRETCHER

As this should have been included in the original ambulance purchase, it becomes part of the ISF and only one fifth of the expense will be charged to this account.

ITEM DESCRIPTION	PRODUCT NAME	COST	COST PER YR
STRETCHER	Power-PRO XT	\$19,000.00	\$3,800.00
LOADING SYSYTEM	PowerLOAD	\$22,500.00	\$4,500.00
TOTAL		\$41,500.0	\$8,300.00
TOTAL REQUEST FOR TRANSFER			\$8,300.00

As we upgrade our vehicles, we are installing CT State required PowerLOAD Systems into all new vehicles. PowerLOAD systems are part of our proactive risk reduction strategy to ensure we are making every reasonable effort to protect our EMS providers from injury, and that we are ensuring our patients have the best set up for smooth and safe transition from the incident into and out of our emergency response vehicles. It is important to note that maintaining uniformity in ambulance equipment is a proactive risk mitigating step, allowing all providers to know how to use all pieces of equipment efficiently, safely and effectively no matter what vehicle they respond in. All ambulances need to carry the same stretcher and loading system as they must be interchangeable on scenes and in general.

DATE	FROM	TO ACCOUNT NAME	TO ACCOUNT NUMBER	ITEM	AMOUNT
01/09/20	General Fund	EMS-Capital Outlay	#01022600- 581888	POWER LOAD SYSTEM	\$8300.00
ACCOUNT TOTAL					\$8300.00



Trumbull EMS Power Pro

Quote Number: 10057871
Version: 1
Prepared For: TRUMBULL EMS
Attn:

Remit to: P.O. Box 93308
Chicago, IL 60673-3308
Rep: Michael Hooper
Email: michael.hooper2@stryker.com
Phone Number:

Quote Date: 10/01/2019
Expiration Date: 12/30/2019

Delivery Address		End User - Shipping - Billing		Bill To Account	
Name:	TRUMBULL EMS	Name:	TRUMBULL EMS	Name:	TRUMBULL EMS
Account #:	1196423	Account #:	1196423	Account #:	1196423
Address:	250 MIDDLEBROOKS AVE TRUMBULL Connecticut 06611	Address:	250 MIDDLEBROOKS AVE TRUMBULL Connecticut 06611	Address:	250 MIDDLEBROOKS AVE TRUMBULL Connecticut 06611

Equipment Products:

#	Product	Description	Qty	Sell Price	Total
1.0	6506000000	Power-PRO XT	1	\$18,984.64	\$18,984.64
1.1	6085033000	PR Cot Retaining Post			
1.2	7777881669	3 Yr X-Frame Powertrain Wrnty			
1.3	7777881670	2 Yr Bumper to Bumper Warranty			
1.4	6506026000	Power Pro Standard Components			
1.5	6500001430	X-RESTRAINT PACKAGE			
1.6	0054030000	DOM SHIP (NOT HI, AK, PR, GM)			
1.7	650606160000	ONE PER ORDER, MANUAL, ENG OPT			
1.8	6085031000	Trendelenburg			
1.9	6506038000	Steer Lock Option			
1.10	6092036018	J Hook			
1.11	6506127000	Power-LOAD Compatible Option			
1.12	6500028000	120V AC SMRT Charging Kit			
1.13	6500003130	KNEE GATCH BOLSTER MATRSS, XPS			
1.14	6506040000	XPS Option			
1.15	6085046000	Retractable Head Section O2			
1.16	0054200994	NO RUNNER			
1.17	6500315000	3 Stage IV Pole PR Option			
1.18	6506012003	STANDARD FOWLER			
1.19	6500128000	Head End Storage Flat			



Trumbull EMS Power Pro

Quote Number: 10057871
Version: 1
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Attn:

Remit to: P.O. Box 93308
Chicago, IL 60673-3308
Rep: Michael Hooper
Email: michael.hooper2@stryker.com
Phone Number:

Quote Date: 10/01/2019
Expiration Date: 12/30/2019

#	Product	Description	Qty	Sell Price	Total
1.20	6500147000	Equipment Hook			

Equipment List Price:	\$23,152.00
Equipment Discount %:	18.0%
Equipment Total:	\$18,984.64

Price Totals:

Grand Total:	\$18,984.64
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Prices: In effect for 60 days.
Terms: Net 30 Days

Ask your Stryker Sales Rep about our flexible financing options.

AUTHORIZED CUSTOMER SIGNATURE



Trumbull EMS Power Load

Quote Number: 10100258
Version: 1
Prepared For: TRUMBULL EMS
Attn:

Remit to: P.O. Box 93308
Chicago, IL 60673-3308
Rep: Michael Hooper
Email: michael.hooper2@stryker.com
Phone Number:

Quote Date: 12/18/2019
Expiration Date: 03/17/2020

Delivery Address		End User - Shipping - Billing		Bill To Account	
Name:	TRUMBULL EMS	Name:	TRUMBULL EMS	Name:	TRUMBULL EMS
Account #:	1196423	Account #:	1196423	Account #:	1196423
Address:	250 MIDDLEBROOKS AVE TRUMBULL Connecticut 06611	Address:	250 MIDDLEBROOKS AVE TRUMBULL Connecticut 06611	Address:	250 MIDDLEBROOKS AVE TRUMBULL Connecticut 06611

Equipment Products:

#	Product	Description	Qty	Sell Price	Total
1.0	6390000000	PowerLOAD	1	\$22,457.55	\$22,457.55
1.1	6390026000	Standard Comp 6390 Power-Load		\$0.00	\$0.00
1.2	6390029000	NO FLOORPLATE OPTION		\$0.00	\$0.00
1.3	639000220000	ONE PER ORDER, MANUAL, ENG OPT		\$0.00	\$0.00
1.4	6390600000	English Manual		\$0.00	\$0.00
1.5	639000010902	LABEL, WIRELESS		\$0.00	\$0.00
1.6	7777881660	1 year parts, labor & travel		\$0.00	\$0.00
				Equipment List Price:	\$28,213.00
				Equipment Discount %:	20.4%
				Equipment Total:	\$22,457.55

Price Totals:

Grand Total: \$22,457.55

Prices: In effect for 60 days.
Terms: Net 30 Days

Ask your Stryker Sales Rep about our flexible financing options.



Trumbull EMS Power Load

Quote Number: 10100258
Version: 1
Prepared For: TRUMBULL EMS
Attn:

Remit to: P.O. Box 93308
Chicago, IL 60673-3308
Rep: Michael Hooper
Email: michael.hooper2@stryker.com
Phone Number:

Quote Date: 12/18/2019
Expiration Date: 03/17/2020

AUTHORIZED CUSTOMER SIGNATURE

TOWN OF TRUMBULL
BOARD OF FINANCE

REQUEST FOR ACTION

DATE: 9-Jan-20
AGENDA: 01-20-03
AMOUNT: \$93,280

2020-2021

(A) APPROPRIATION [X]

FROM: ACCOUNT NO.
ACCOUNT NAME General Fund - Fund Balance \$93,280

(B) TRANSFER []

TO: ACCOUNT NO. 01022600-522202

(C) BOND []

ACCOUNT NAME EMS-Professional Services \$93,280

(D) SUMMARY OF REQUEST:

To cover EMTs that were inandvertently left out of the budget.

(E) REQUESTED BY:

Leigh Goodman, EMS Chief

(F) SUPPORTING DATA:

See attached

(G) CONCURRENCE:

YES NO NEED ADD'L INFORMATION



Vicki A. Tesoro, First Selectman

(H) BOARD OF FINANCE ACTION:

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

TRANSFER NUMBER	ACCOUNT DESCRIPTION	ACCOUNT #	BALANCE BEFORE TRANSFER	AMOUNT OF TRANSFER	BALANCE AFTER TRANSFER
01-20-03	FROM GENERAL FUND - FUND BALANCE			<u>(93,280.00)</u>	
	TO EMS PROFESSIONAL SERVICES	01022600-522202	160,050.00	93,280.00	253,330.00
	TO COVER EMT'S WHICH WERE INADVERTENTLY LEFT OUT OF THE BUDGET				

DATE	FROM	TO ACCOUNT NAME	TO ACCOUNT NUMBER	ITEM	AMOUNT
01/09/20	General Fund	EMS-Professional Services	#01022600- 522202	EMT/MEDIC VENDOR FEES	\$86,250.00
01/09/20	General Fund	EMS-Professional Services	#01022600- 522202	EMT/MEDIC VENDOR FEES	\$7,030.00
ACCOUNT TOTAL					\$93,280.00

ITEM REQUEST SUMMARY FOR EMT VENDOR FUNDS

TRUMBULL EMS FUNDING FOR EMT STAFF

Trumbull EMS is requesting supplemental funding to cover costs for EMT/Paramedic staffing. The funds were inadvertently removed from the budget when the paramedic staff from the same vendor were removed when we transitioned to a new vendor.

ITEM DESCRIPTION	ITEM DETAIL	PROJECTED COST
EMT FUNDING	EMT hourly rate of \$26.16, as per current contract	\$86,250.00
PARAMEDIC FUNDING	Allows for late calls/hold/QA/SUP cover as needed	\$7,030.00
TOTAL		\$93,280.00

Based on our analysis of our professional account this year and vendor payments review FY to date, we have determined the appropriate amount which should have been in our initial budget and are respectfully requesting the amount be transferred from the General fund to this Account.

FOR 2020 99

ACCOUNTS FOR: 01 GENERAL FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED

01022600 EMERGENCY MEDICAL SERVICES							

01022600 440000 FEE REVENUE	-1,550,000	0	-1,550,000	-807,536.87	.00	-742,463.13	52.1%
TOTAL EMERGENCY MEDICAL SERVICES	-1,550,000	0	-1,550,000	-807,536.87	.00	-742,463.13	52.1%
TOTAL GENERAL FUND	-1,550,000	0	-1,550,000	-807,536.87	.00	-742,463.13	52.1%
TOTAL REVENUES	-1,550,000	0	-1,550,000	-807,536.87	.00	-742,463.13	



TRUMBULL EMS REVENUE ANALYSIS FY2019 & FY2020 YTD

FY2019 SUMMARY

TOTAL CALLS	4797
TOTAL TRANSPORTS	4456
AVERAGE TRANSPORT RATE	77%
OPERATING BUDGET	\$1,447,415.00
REVENUE GENERATED	\$1,690,330.20
REVENUE GENERATED ABOVE OPERATING BUDGET	\$190,330.20

FY2020 YTD SUMMARY

TOTAL CALLS YTD	2492
TOTAL TRANSPORTS YTD	2275
AVERAGE TRANSPORT RATE YTD	78%
CURRENT OPERATING BUDGET	\$1,422,703.00
CURRENT REVENUE GENERATED	\$856,179.54
CURRENT REVENUE GENERATED ABOVE OPERATING BUDGET	N/A

FY2020 PROJECTIONS 01/01/2020-06/30/2020

PROJECTED CALL VOLUME	2492
PROJECTED TRANSPORTS	2275
PROJECTED AVERAGE TRANSPORT RATE	78%

FY2020 PROJECTIONS FY2020

Based on analytics, we can cautiously project a small 4% increase in call volume and billable transports, resulting in an estimated projected increase in allowable revenue generating income. Based on historical data and current analytics we can use the following projections for the final overall totals.

PROPOSED OPERATING BUDGET Pending BOF/TC Approval	\$1,555,283.00
PROJECTED TRANSPORTS	4984
PROJECTED AVERAGE TRANSPORT RATE	78%
REVENUE GENERATED YTD	\$856,179.54
PROJECTED REVENUE FY2020	1,712,359.08
PROJECTED REVENUE GENERATION ABOVE PROPOSED OPERATING BUDGET	\$157,076.08

**TOWN OF TRUMBULL
APPROVED CAPITAL IMPROVEMENT PLAN
CALENDAR YEARS 2020 - 2024
as of December 19, 2019**

	CY019 Total Approved Funding	CY 2020 Planned	CY 2021 Planned	CY 2022 Planned	CY 2023 Planned	CY 2024 Planned	TOTAL CY2020 - 2024
BOE	1,482,832	4,743,000	9,547,759	3,424,000	6,758,000	4,385,000	\$ 28,857,759
Roadways	4,132,283	5,338,141	8,119,722	7,637,564	8,164,132	4,176,228	\$ 33,435,788
Public Facilities	1,235,500	2,487,500	13,445,000	9,909,000	30,000	44,000	\$ 25,915,500
Parks Improvements	692,861	5,081,700	11,435,560	8,370,000	1,026,000	-	\$ 25,913,260
Fleet & Equipment	91,300	1,226,000	674,950	503,000	615,953	1,250,744	\$ 4,270,646
Other	9,896,474	848,434	12,746,526	9,302,172	1,894,000	-	\$ 24,791,132
Enterprise	3,780,621	241,000	5,217,358	1,361,328	1,359,358	250,000	\$ 8,429,044
TOTAL*	\$ 21,311,871	\$ 19,965,775	\$ 61,186,875	\$ 40,507,064	\$ 19,847,443	\$ 10,105,971	\$ 151,613,129

Five-Year Total

* 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.

** Town Council Approved CY 2019 is presented for information purpose only; not part of the total

	CY 2019	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024	TOTAL
	Total	Capital Plan					
	Funding Approval	PLANNED	PLANNED	PLANNED	PLANNED	PLANNED	2020-2024
<u>Board of Education</u>							
Hillcrest Middle School	50,000	132,000	40,000	532,000	3,200,000	410,000	4,314,000
Madison Middle School	135,000	1,045,000	75,000	650,000	425,000	350,000	2,545,000
Middlebrook Elementary	514,832	1,500,000	-	-	175,000	150,000	1,825,000
Daniels Farm Elementary	40,000	-	1,012,759	-	-	2,800,000	3,812,759
Jane Ryan Elementary	50,000	1,400,000	1,390,000	135,000	150,000	-	3,075,000
Booth Hill Elementary	60,000	25,000	1,325,000	120,000	135,000	-	1,605,000
Tashua Elementary	-	-	-	1,850,000	1,650,000	150,000	3,650,000
Frenchtown Elementary	88,000	-	85,000	-	1,023,000	250,000	1,358,000
TECEC	-	-	-	-	-	-	-
Agriscience High School	-	-	-	62,000	-	275,000	337,000
Trumbull High School	105,000	-	1,220,000	75,000	-	-	1,295,000
Equip and Infra Dist Wide	120,000	-	-	-	-	-	-
Long Hill Admin Building	100,000	611,000	3,900,000	-	-	-	4,511,000
Bus Garage	220,000	30,000	500,000	-	-	-	530,000
TOAL BOE	1,482,832	4,743,000	9,547,759	3,424,000	6,758,000	4,385,000	28,857,759
<u>Roadways</u>	-						-
Roadway Paving	4,132,283	5,338,141	8,119,722	7,637,564	8,164,132	4,176,228	33,435,788
TOTAL ROADWAYS	4,132,283	5,338,141	8,119,722	7,637,564	8,164,132	4,176,228	33,435,788
<u>Public Facilities</u>	-						-
Trumbull Library	180,000	42,000	3,110,000	3,000,000	30,000	-	6,182,000
Town Hall	200,000	430,000	285,000	25,000	-	44,000	784,000
Town Hall Annex	-	-	-	-	-	-	-
Police Headquarters	15,000	-	30,000	70,000	-	-	100,000
Senior Center	47,000	950,000	7,628,000	6,700,000	-	-	15,278,000
Public Works Yard	58,500	625,000	162,000	-	-	-	787,000
EMS Building	-	50,000	2,000,000	54,000	-	-	2,104,000
Helen Plumb Building	-	80,000	90,000	60,000	-	-	230,000
Transfer Station	735,000	230,500	140,000	-	-	-	370,500
Townwide	-	80,000	-	-	-	-	80,000
TOTAL PUBLIC FACILITIES	1,235,500	2,487,500	13,445,000	9,909,000	30,000	44,000	25,915,500
<u>Parks Improvements</u>	-						-
Athletic Fields	-	1,500,000	-	-	-	-	1,500,000
Irrigation	-	-	25,000	25,000	-	-	50,000

	CY 2019 Total Funding Approval	CY 2020 Capital Plan PLANNED	CY 2021 Capital Plan PLANNED	CY 2022 Capital Plan PLANNED	CY 2023 Capital Plan PLANNED	CY 2024 Capital Plan PLANNED	TOTAL Capital Plan 2020-2024
Parks	498,000	351,700	1,402,000	2,000,000	300,000	-	4,053,700
Paving	194,861	1,365,000	3,198,560	1,345,000	516,000	-	6,424,560
Pools	-	1,115,000	5,935,000	5,000,000	-	-	12,050,000
Tennis	-	750,000	875,000	-	210,000	-	1,835,000
	-						-
TOTAL PARKS IMPROVEMENTS	692,861	5,081,700	11,435,560	8,370,000	1,026,000	-	25,913,260
Fleet & Equipment	-						-
EMS	-	120,000	200,000	207,000	214,245	221,744	962,989
Emergency Management	-	-	-	-	-	800,000	800,000
Highway	-	870,000	381,150	296,000	401,708	229,000	2,177,858
Parks	91,300	200,000	93,800	-	-	-	293,800
	-	-	-	-	-	-	-
TOTAL FLEET & EQUIPMENT	91,300	1,190,000	674,950	503,000	615,953	1,250,744	4,234,646
Other	-	-	-	-	-	-	-
Economic Development	234,000	50,000	1,940,387	6,811,182	1,801,000	-	10,602,569
Engineering	9,662,474	798,434	10,806,139	2,490,990	93,000	-	14,188,563
Information Tech	-	-	-	-	-	-	-
Other Projects	-	-	-	-	-	-	-
TOTAL VARIOUS	9,896,474	848,434	12,746,526	9,302,172	1,894,000	-	24,791,132
Enterprise*	-						-
WPCA	3,780,621	241,000	5,100,000	1,200,000	1,200,000	-	7,741,000
Golf	-	-	117,358	161,328	159,358	250,000	688,044
TOTAL WPCA	3,780,621	241,000	5,217,358	1,361,328	1,359,358	250,000	8,429,044
GRAND TOTAL	21,311,871	19,929,775	61,186,875	40,507,064	19,847,443	10,105,971	151,577,129

BUILDING	CATEGORY	DESCRIPTION	CY 2019					
			CY 2019	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024
			Total Funding	Capital Plan	Capital Plan	Capital Plan	Capital Plan	Capital Plan
Hillcrest Middle School	Environmental	Asbestos (Flooring and Insulation)	50,000	40,000	40,000			
Hillcrest Middle School	Safety	Building Fire Alarm Panels	-		-	132,000		
Hillcrest Middle School	Safety	Remove ext. concrete shade panels	-	92,000				
Hillcrest Middle School	On site	Locker Rooms renovations	-			400,000		
Hillcrest Middle School	Windows	Window replacement					3,200,000	
Hillcrest Middle School	On Site const	Science Classroom upgrades						210,000
Hillcrest Middle School	On Site const	Courtyard renovations hardscape						200,000
			-					
Total Hillcrest School:			50,000	132,000	40,000	532,000	3,200,000	410,000
Madison Middle School	Environmental	Asbestos (Flooring and Insulation)	75,000	75,000	75,000	75,000		
Madison Middle School	Electrical	Upgrade panel Infrastructure	-			175,000		
Madison Middle School	HVAC	Replace RTU, exhaust fans, HV etc	-				425,000	150,000
Madison Middle School	Construction	Locker rooms renovations	-			400,000		
Madison Middle School	On Site const	Courtyard renovations hardscape	-					200,000
Madison Middle School	Design	Drainage/paving	60,000					
Madison Middle School	Construction	Detention basin construction	-	970,000				
			-					
Total Madison School:			135,000	1,045,000	75,000	650,000	425,000	350,000
Middlebrook Elementary	Environmental	Asbestos (Flooring and Insulation)	40,000					
Middlebrook Elementary	Paving	Parking Lot and Driveway Paving PH2	474,832					
Middlebrook Elementary	Roofing	Roof replacement	-	1,500,000				
Middlebrook Elementary	HVAC	Replace RTU, exhaust fans, HV etc	-				175,000	
Middlebrook Elementary	Electrical	Upgrade panel Infrastructure	-					150,000
Middlebrook Elementary	Photo Voltaics	ZREC Bid for Solar Installation (no cost)	-	No cost				
			-					
Total Middlebrook Elementary School:			514,832	1,500,000	-	-	175,000	150,000
Daniels Farm Elementary	Environmental	Asbestos (Flooring and Insulation)	40,000					
Daniels Farm Elementary	Paving	Parking Lot - Sidewalks, and Driveway Paving	-		1,012,759			
Daniels Farm Elementary	Windows	Window Replacement (1962)	-					1,600,000
Daniels Farm Elementary	Roofing	Roof Replacement	-					1,200,000
			-					
Total Daniels Farm Elementary School:			40,000	-	1,012,759	-	-	2,800,000
Jane Ryan Elementary	Environmental	Asbestos (Flooring and Insulation)	50,000	50,000				
Jane Ryan Elementary	Paving	Parking Lot - Sidewalks, and Driveway Paving	-	1,350,000				
Jane Ryan Elementary	Roofing	Roof replacement (1991)	-		1,300,000			
Jane Ryan Elementary	Electrical	Update Electrical infrastructure	-			135,000		
Jane Ryan Elementary	HVAC	Replace RTU, exhaust fans, HV etc	-				150,000	
Jane Ryan Elementary	Elevator	Single bottom Cylinder Upgrade(code)	-		90,000			
			-					
Total Jane Ryan Elementary School:			50,000	1,400,000	1,390,000	135,000	150,000	<i>items in yellow are</i>
Booth Hill Elementary	Environmental	Asbestos (Flooring and Insulation)	60,000	25,000	25,000			
Booth Hill Elementary	Electrical	Update Electrical infrastructure	-			120,000	135,000	
Booth Hill Elementary	Roofing	Roof replacement (1991)	-		1,300,000			
Booth Hill Elementary	Photo Voltaics	ZREC Bid for Solar Installation	-			No cost		
			-					
Total Booth Hill Elementary School:			60,000	25,000	1,325,000	120,000	135,000	-
			-					

BUILDING	CATEGORY	DESCRIPTION	CY 2019	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024
			Total Funding	Capital Plan				
Tashua Elementary	Paving	Parking Lot - Sidewalks, and Driveway Paving	-	-	-	750,000	-	-
Tashua Elementary	Windows	Window Replacement (1965)	-	-	-	-	1,500,000	-
Tashua Elementary	Roofing	Roof replacement (1991)	-	-	-	1,100,000	-	-
Tashua Elementary	Electrical	Update Electrical infrastructure	-	-	-	-	150,000	-
Tashua Elementary	HVAC	Replace RTU, exhaust fans, HV etc	-	-	-	-	-	150,000
Total Tashua Elementary School:			-	-	-	1,850,000	1,650,000	150,000
Frenchtown Elementary	Paving	Parking Lot and Driveway Paving	-	-	-	-	1,023,000	-
Frenchtown Elementary	Energy	Lighting upgrade interior/exterior LED	88,000	-	-	-	-	-
Frenchtown Elementary	HVAC	Boiler Replacement	-	-	-	-	-	250,000
Frenchtown Elementary	HVAC	Cooling Tower Replacement	-	-	85,000	-	-	-
Total Frenchtown Elementary School:			88,000	-	85,000	-	1,023,000	250,000
Agriscience High School	On Site Const	Fencing Replacement	-	-	-	62,000	-	-
Agriscience High School	HVAC	Boiler replacements	-	-	-	-	-	275,000
Agriscience High School	Photo Voltaics	ZREC Bid for Solar Installation	-	no cost	-	-	-	-
Total Agriscience High School:			-	-	-	62,000	-	275,000
Trumbull High School	Athletic Field	THS Fields ADA Accessibility	105,000	-	-	-	-	-
Trumbull High School	On Site Const	Athletic field Storage Building 20 x 25	-	-	-	75,000	-	-
Trumbull High School	On Site Const	Wellness/Fitness Center	-	-	1,100,000	-	-	-
Trumbull High School	HVAC	Cooling tower sump replacement	-	-	120,000	-	-	-
Total Trumbull High School:			105,000	-	1,220,000	75,000	-	-
Equip and Infra Dist Wide	Equipment	Vehicle Replacements w/plows	120,000	-	-	-	-	-
Total Equip and Infra Dist Wide:			120,000	-	-	-	-	-
Long Hill Admin Building	Paving	Parking Lot Drainage & paving	-	461,000	-	-	-	-
Long Hill Admin Building	Roofing	Roof Replacement	-	-	-	-	-	-
Long Hill Admin Building	HVAC	Boilers and AC	-	-	-	-	-	-
Long Hill Admin Building	Assessment	Facility Assessment & Review	100,000	-	-	-	-	-
Long Hill Admin Building	Construction	New Administration building	-	-	3,900,000	-	-	-
Long Hill Admin Building	Constuction	Build Data Center at High School	-	150,000	-	-	-	-
Total Long Hill Admin Building:			100,000	611,000	3,900,000	-	-	-
Bus Garage	Paving	Parking lot paving and drainage 30ksf	220,000	-	-	-	-	-
Bus Garage	Paving	Parking lot design & permitting	-	30,000	-	-	-	-
Bus Garage	Paving	Parking lot construction	-	-	500,000	-	-	-
Total Bus Garage:			220,000	30,000	500,000	-	-	-
GRAND TOTAL			1,482,832	4,743,000	9,547,759	3,424,000	6,758,000	4,385,000

items in yellow are Enginnering projects added by HWY

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

CATEGORY	DESCRIPTION	LOCATION	CY 2019	CY 2020 Capital Plan	CY 2021 Capital Plan	CY 2022 Capital Plan	CY 2023 Capital Plan	CY 2024 Capital Plan
			CY 2019 Total Funding Approval					
Roadways	Paving	Hardy Lane	100,000					
Roadways	Paving	Cemetery Dr	-					
Roadways	Paving	Center Rd	-					
Roadways	Paving	Harvest Hill Road	111,898					
Roadways	Paving	Area)	1,335,607					
Roadways	Paving	JUDSON ST	45,316					
Roadways	Paving	Middlebrooks Ave (Design in 2017)	-					
Roadways	Paving	Shelton Rd	80,000					
Roadways	Paving	TELLER RD (up to Beach Hill)	95,923					
Roadways	Paving	WOODRIDGE CIR	236,118					
Roadways	Paving	ROCKY HILL RD (S)	182,978					
Roadways	Paving	ROCKY HILL TER	238,166					
Roadways	Paving	BONNIE VIEW DR	176,668					
Roadways	Paving	GLENBROOK RD	187,422					
Roadways	Paving	FRANKLIN ST	92,187					
Roadways	Paving	Hill Culvert)	100,000					
Roadways	Paving	Old Dike Road (not in 5yr CIP)	20,000					
Roadways	Paving	ABRIC DR		107,467				
Roadways	Paving	ANITA AVE		105,467				
Roadways	Paving	ARAGON DR		137,100				
Roadways	Paving	BONHEUR RD		69,533				
Roadways	Paving	CAMPBELL RD		66,453				
Roadways	Paving	CANOE BROOK RD (Dale to Madison)		88,542				
Roadways	Paving	CHATFIELD DR		261,773				
Roadways	Paving	CLAIRE PL		64,213				
Roadways	Paving	DALE RD		123,867				
Roadways	Paving	DAYTON CIR		31,964				
Roadways	Paving	ELMWOOD AVE		119,700				
Roadways	Paving	FIELDSTONE CT		79,920				
Roadways	Paving	GAYLORD RD		69,291				
Roadways	Paving	GREEN ST		65,600				
Roadways	Paving	HITCHING POST LN		59,867				
Roadways	Paving	LEIGHTON RD		84,087				
Roadways	Paving	MADISON AVE		570,000				
Roadways	Paving	MAYMONT LN		139,867				
Roadways	Paving	MERRILL RD		87,189				
Roadways	Paving	PLATTSVILLE RD		49,671				
Roadways	Paving	RANGELY DR		312,480				
Roadways	Paving	RICHFIELD RD		76,813				

CATEGORY	DESCRIPTION	LOCATION	CY 2019	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024
			Total Funding Approval	Capital Plan				
Roadways	Paving	SHELBOURNE RD		56,373				
Roadways	Paving	SHELTON RD		1,201,200				
Roadways	Paving	WALNUT AVE		106,438				
Roadways	Paving	WINSLOW RD		73,267				
Roadways	Paving	BEACH HILL DR			118,792			
Roadways	Paving	BEECH TREE CIR			75,386			
Roadways	Paving	BERRY LN			28,080			
Roadways	Paving	BLUEBERRY RD			66,133			
Roadways	Paving	BOB WHITE LN			76,667			
Roadways	Paving	BONAZZO DR			110,986			
Roadways	Paving	CALDRON DR			44,408			
Roadways	Paving	CAROLINE ST			68,945			
Roadways	Paving	CHATHAM DR			124,133			
Roadways	Paving	FOSTER AVE			50,226			
Roadways	Paving	GREAT NECK RD			359,285			
Roadways	Paving	HILLCREST RD			140,648			
Roadways	Paving	HILLSTON RD			239,333			
Roadways	Paving	INTERVALE RD			27,467			
Roadways	Paving	JUNIPER CIR			39,676			
Roadways	Paving	JUNIPER RIDGE RD			235,260			
Roadways	Paving	KNOLLCREST CT			22,720			
Roadways	Paving	KNOLLCREST DR			74,074			
Roadways	Paving	LAURIE RD			223,627			
Roadways	Paving	LEFFERT RD			284,478			
Roadways	Paving	MADISON AVE			810,000			
Roadways	Paving	MERRITT BLVD			324,132			
Roadways	Paving	OAKRIDGE RD			614,755			
Roadways	Paving	PAULINE ST			74,225			
Roadways	Paving	PEPPERIDGE RD			59,117			
Roadways	Paving	QUAIL TRL			240,423			
Roadways	Paving	REINER CIR			90,423			
Roadways	Paving	REINER DR			169,853			
Roadways	Paving	ROCKY RIDGE DR			355,182			
Roadways	Paving	ROLLING WOOD DR			353,826			
Roadways	Paving	ROUND HILL RD			277,574			
Roadways	Paving	STELLA ST			144,954			
Roadways	Paving	STIRRUP DR			50,493			
Roadways	Paving	TELLER RD			123,533			
Roadways	Paving	TOPAZ LN			106,055			
Roadways	Paving	VAZZANO PL			80,281			
Roadways	Paving	WILDFLOWER LN			78,472			
Roadways	Paving	WOODMERE DR			256,102			
Roadways	Paving	BASSICK RD				178,267		
Roadways	Paving	BIRCH ST (S)				60,933		
Roadways	Paving	BOLIN CIR				37,859		
Roadways	Paving	BROADWAY				73,802		

			CY 2019					
CATEGORY	DESCRIPTION	LOCATION	CY 2019 Total Funding Approval	CY 2020 Capital Plan	CY 2021 Capital Plan	CY 2022 Capital Plan	CY 2023 Capital Plan	CY 2024 Capital Plan
Roadways	Paving	BROCK ST				35,933		
Roadways	Paving	CEDAR CREST RD				63,709		
Roadways	Paving	CHESTNUT ST				107,067		
Roadways	Paving	COLONY AVE				174,907		
Roadways	Paving	DANIELS FARM RD				2,159,990		
Roadways	Paving	DUNELLEN RD				77,187		
Roadways	Paving	FAIRCHILD CIR				43,237		
Roadways	Paving	FAIRCHILD RD				254,220		
Roadways	Paving	GARDEN ST				158,933		
Roadways	Paving	GROVE ST				186,400		
Roadways	Paving	INWOOD RD				154,093		
Roadways	Paving	JOG HILL RD				253,493		
Roadways	Paving	OLD ELM RD				20,463		
Roadways	Paving	OLDFIELD RD				260,358		
Roadways	Paving	ORCHARD ST				188,814		
Roadways	Paving	ROCKY HILL RD (N)				84,056		
Roadways	Paving	SEQUOIA RD				24,533		
Roadways	Paving	SPRINGWOOD DR				125,332		
Roadways	Paving	WHIPPOORWILL LN				39,867		
Roadways	Paving	WILLIAMS RD				1,135,256		
Roadways	Paving	WILMOT AVE				55,600		
Roadways	Paving	WOOLSLEY AVE				183,254		
Roadways	Paving	APPLE ORCHARD LN					39,573	
Roadways	Paving	ASBURY RD					101,640	
Roadways	Paving	BONITA AVE					86,697	
Roadways	Paving	BULL FROG LN					112,000	
Roadways	Paving	CANTERBURY LN					244,347	
Roadways	Paving	CRABAPPLE RD					112,280	
Roadways	Paving	EAST LAKE RD					61,976	
Roadways	Paving	EDDIE RD					73,946	
Roadways	Paving	EDITH ST (W)					26,357	
Roadways	Paving	FERN CIR					139,222	
Roadways	Paving	FLINT ST					102,169	
Roadways	Paving	FRELMA DR					86,436	
Roadways	Paving	GARLAND CIR					141,912	
Roadways	Paving	GARWOOD RD					313,934	
Roadways	Paving	GIBSON AVE					154,280	
Roadways	Paving	HISTON RD					115,067	
Roadways	Paving	HORSE TAVERN RD					208,600	
Roadways	Paving	JEROME AVE					209,689	
Roadways	Paving	LAKE AVE					630,653	
Roadways	Paving	LILLIAN DR					263,947	
Roadways	Paving	LINDEMAN DR					208,583	
Roadways	Paving	LINLEY RD					210,267	
Roadways	Paving	MACARTHUR RD					113,545	
Roadways	Paving	OAKVIEW DR					204,960	
Roadways	Paving	OLD COACH LN					62,720	
Roadways	Paving	OLD TOWN RD (C)					108,649	
Roadways	Paving	PARK LN					364,877	
Roadways	Paving	PETERS RD					88,133	
Roadways	Paving	READING RD					105,280	

CATEGORY	DESCRIPTION	LOCATION	CY 2019	CY 2020 Capital Plan	CY 2021 Capital Plan	CY 2022 Capital Plan	CY 2023 Capital Plan	CY 2024 Capital Plan
			Total Funding Approval					
Roadways	Paving	REGINA ST					215,289	
Roadways	Paving	RESERVOIR AVE					488,406	
Roadways	Paving	RUTH ST					137,600	
Roadways	Paving	TWIN BROOKS DR					251,348	
Roadways	Paving	TWITCHGRASS RD					332,947	
Roadways	Paving	WISTERIA DR					160,511	
Roadways	Paving	ASCOLESE RD						218,039
Roadways	Paving	BEARDSLEY PKWY						581,887
Roadways	Paving	BITTERSWEET LN						96,000
Roadways	Paving	CATHERINE ST (S)						166,009
Roadways	Paving	CRESCENT LN						122,702
Roadways	Paving	GWENDOLYN DR						74,433
Roadways	Paving	MADISON AVE						337,269
Roadways	Paving	RIVERSIDE DR						67,291
Roadways	Paving	SPRING HILL RD						163,145
Roadways	Paving	STERLING RD						325,078
Roadways	Paving	TASHUA RD						142,290
Roadways	Paving	TECHNOLOGY DR						137,566
Roadways	Paving	TREFOIL DR						218,854
Roadways	Paving	TURNEY PL						62,527
Roadways	Paving	WALKER RD						164,764
Roadways	Paving	WHITEFIELD DR						79,333
Roadways	Paving	WHITNEY AVE						114,173
Roadways	Paving	WOOD AVE						179,867
Roadways	Paving	Drainage	1,050,000	1,050,000	1,400,000	1,400,000	1,400,000	850,000
Roadways	Paving	Video Inspection for Plan Year Roads	80,000	80,000	100,000	100,000	100,000	75,000
			-					
GRAND TOTAL			4,132,283	5,338,141	8,119,722	7,637,564	8,164,132	4,176,228

Note Road paving for proposed sewer projects

BUILDING	CATEGORY	DESCRIPTION	CY 2019	CY 2020 Capital Plan	CY 2021 Capital Plan	CY 2022 Capital Plan	CY 2023 Capital Plan	CY 2024 Capital Plan
			CY 2019 Total Funding Approval					
			-					
Trumbull Library	Mechanical	50 Ton Condenser Unit	180,000					
Trumbull Library	Construction	Construction and library modernization	-		3,000,000	3,000,000		
Trumbull Library	Mechanical	Replace security and fire alarm system (non-proprietary system)	-	42,000				
Trumbull Library	Site Construction	Parking Lot Expansion for 35 spaces	-		110,000			
Trumbull Library	Mechanical	Replace BMS (Building Management System)	-				30,000	
Total Trumbull Library			180,000	42,000	3,110,000	3,000,000	30,000	-
			-					
Town Hall	Construction	TH upgrades, dept relocations & service counter accessibility	175,000					
Town Hall	Construction	Sidewalk replacement	25,000	25,000	25,000	25,000		
Town Hall	Construction	Tax collector security counters		80,000				
Town Hall	Mechanical	Consulting services for plans & specs to replace HVAC system	-	25,000				
Town Hall	Mechanical	Replace HVAC system	-	300,000				
Town Hall	Construction	Restroom Renovations - ADA compliant (2)			260,000			
Town Hall	Finishes	Floor Tiling	-	-				44,000
Total Town Hall			200,000	430,000	285,000	25,000	-	44,000
			-					
Police Headquarters	Misc.	Garage Doors repairs	15,000	-				
Police Headquarters	Mechanical	Connect HVAC system to BMS (Building Management System)	-		30,000			
Police Headquarters	Misc.	Bathroom Renovations (upstairs)	-	-		70,000		
Total Police Headquarters			15,000	-	30,000	70,000	-	-
			-					

BUILDING	CATEGORY	DESCRIPTION	CY 2019	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024
			<i>CY 2019 Total Funding Approval</i>					
			-					
Senior Center	Design	Sr. Center redesign & renovation feasibility study	-					
Senior Center	Masonry	Exterior Walls - Below Ground Level	12,000					
Senior Center	Masonry	Repoint/Clean/Seal Exterior Walls Above Ground Level	35,000					
Senior Center	Construction	Sr. Center design & community approval efforts	-	950,000				
Senior Center	Construction	Sr. Center construction	-		6,500,000	6,500,000		
Senior Center	Mechanical	Replace A/C in multi-purpose room	-		50,000			
Senior Center	Construction	Renovate 2nd floor kitchen	-		250,000			
Senior Center	Mechanical	Elevator modernization and upgrades (2)	-		200,000	200,000		
Senior Center	Construction	Install handicap ramps and ADA door opener			33,000			
Senior Center	Paving	New parking lot - paving			170,000			
Senior Center	Paving	Existing parking lot - paving			370,000			
Senior Center	Construction	Replace windows at Social Services			55,000			
			-					
Total Senior Center			47,000	950,000	7,628,000	6,700,000	-	-
			-					
Public Works Yard	Construction	Shingle Roof replacement - Garage building	58,500					
Public Works Yard	Construction	Town Yard Garage maintenance/replacement/culvert	-	450,000				
Public Works Yard	Construction	Structural improvements to plow garage #2 and bay door replacement	-	175,000				
Public Works Yard	Construction	Siding replacement building #6	-		82,000			
Public Works Yard	Construction	Emergency stairwell installation building #6	-		80,000			

BUILDING	CATEGORY	DESCRIPTION	CY 2019	CY 2020 Capital Plan	CY 2021 Capital Plan	CY 2022 Capital Plan	CY 2023 Capital Plan	CY 2024 Capital Plan
			CY 2019 Total Funding Approval					
			-					
			-					
Total Public Works Yard			58,500	625,000	162,000	-	-	-
			-					
EMS Building	Site Construction	Reconfiguration/Expansion Design	-	50,000				
EMS Building	Site Construction	Reconfiguration/Expansion	-		2,000,000			
EMS Building	Mechanical	RTU Rooftop Unit Replacement	-			54,000		
			-					
Total EMS Building			-	50,000	2,000,000	54,000	-	-
			-					
Helen Plumb Building	Mechanical	HVAC system replacement	-	80,000				
Helen Plumb Building	Site Construction	Window replacement	-		90,000			
Helen Plumb Building	Site Construction	Roof replacement	-			60,000		
			-					
Total Hellen Plumb Building			-	80,000	90,000	60,000	-	-
			-					
Transfer Station	Site Construction	Road Widening ***	735,000					
Transfer Station	Site Construction	Concrete Slab repair ^{-a)}	-	45,000				
Transfer Station	Mechanical	Transfer Station generator ^{-a)}	-	155,500				
Transfer Station	Site Construction	Roof replacement ^{-a)}	-		140,000			
Transfer Station	Site Construction	Pre-fabricated salt shed ^{-a)}	-	30,000				
			-					
Total Transfer Station			735,000	230,500	140,000	-	-	-
			-					

BUILDING	CATEGORY	DESCRIPTION	CY 2019	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024
			<i>CY 2019 Total Funding Approval</i>					
			-					
Townwide	Construction	Townwide sidewalk repairs	-	80,000				
			-					
			-					
Total Townwide			-	80,000	-	-	-	-
GRAND TOTAL			1,235,500	2,487,500	13,445,000	9,909,000	30,000	44,000

*** Total project \$1,225,000 → Trumbull portion 60%, TEAM portion 40%

a) TEAM expense

CATEGORY	LOCATION	DESCRIPTION	CY 2019	CY 2020 Capital Plan	CY 2021 Capital Plan	CY 2022 Capital Plan	CY 2023 Capital Plan	CY 2024 Capital Plan
			<i>CY 2019 Total Funding Approval</i>					
Athletic Fields	Indian Ledge	New Construction of multi-purpose artificial field with lighting	-	1,500,000				
Total Athletic Fields			-	1,500,000	-	-	-	-
Irrigation	Twin Brooks	Irrigation (replacement)	-		25,000			
Irrigation	Bills Property	New irrigation system at Mary Bill's Field	-			25,000		
Total Irrigation			-	-	25,000	25,000	-	-
Parks	Various Locations	Pavilion Roof Replacements (4)	64,000					
Parks	Gunther Park	Dredging Construction	278,000					
Parks	Various Locations	Rest Room Upgrades - Roof, Lighting & Plumbing (7)	56,000	56,000	56,000			
Parks	Various Locations	Wooden guardrail and installation	100,000	50,000	50,000			
Parks	Bills Property	Bills Property Design	-		50,000			
Parks	Bills Property	Bills Property Development	-		200,000			
Parks	Indian Ledge	Sprinkler park replacement	-		200,000			
Parks	Twin Brooks	Dredging - Design	-	45,700				
Parks	Twin Brooks	Dredging	-		500,000			
Parks	Beaches Pool	Sprinkler park replacement	-				300,000	

CATEGORY	LOCATION	DESCRIPTION	CY 2019	CY 2020 Capital Plan	CY 2021 Capital Plan	CY 2022 Capital Plan	CY 2023 Capital Plan	CY 2024 Capital Plan
			<i>CY 2019 Total Funding Approval</i>					
Parks	Kaatz Pond	Dredging	-		286,000			
Parks	Abraham Nichols Barn	Roofing, windows, doors replacing, exterior paint	-		60,000			
Parks	Design	Veteran's center design	-	200,000				
Parks	Construction	Veteran's center construction ^{-a)}	-			2,000,000		
			-					
Total Parks			498,000	351,700	1,402,000	2,000,000	300,000	-
			-					
Paving	Indian Ledge	Partial paving	194,861					
Paving	Indian Ledge	Paving (phase 1)		865,000				
Paving	Indian Ledge	Paving (phase 2)			273,000			
Paving	Indian Ledge	Paving (phase 3)				468,000		
Paving	Indian Ledge	Paving (phase 4)					516,000	
Paving	Unity Park	Drainage / Paving	-		840,000			
Paving	Twin Brooks	Drainage / Paving	-	500,000	500,000	877,000		
Paving	Old Mine/Counseling Center	Drainage / Paving (parking lots, driveway and roadway)			1,180,560			
Paving	Abraham Nichols Barn/Park	Paving	-		405,000			
Total Paving			194,861	1,365,000	3,198,560	1,345,000	516,000	-
			-					

CATEGORY	LOCATION	DESCRIPTION	CY 2019	CY 2020 Capital Plan	CY 2021 Capital Plan	CY 2022 Capital Plan	CY 2023 Capital Plan	CY 2024 Capital Plan
			CY 2019 Total Funding Approval					
Pools	Tashua Pool	Complete pool design/upgrades and renovation - design	-	165,000				
Pools	Tashua Pool	Complete pool design/upgrades and renovation - construction	-		935,000			
Pools	TBD	Aquatics Facility / Improvements design/surveys	-	950,000				
Pools	TBD	Aquatics Facility / Improvements	-		5,000,000	5,000,000		
Total Pools			-	1,115,000	5,935,000	5,000,000	-	-
			-					
Tennis	Unity	Tennis/Pickleball Court Replacement	-	375,000				
Tennis	Tashua	Tennis Court Replacement (Courts # 1-4)	-	375,000				
Tennis	Tashua	Tennis Court Replacement (Court # 5-8)	-		375,000			
Tennis	Tashua	Tennis Court Lighting (Courts # 5-8)	-		200,000			
Tennis	Island Brook	Tennis Court Replacement (3)	-		300,000			
Tennis	Nothnagle	Tennis Court Replacement (2)	-				210,000	
Total Tennis			-	750,000	875,000	-	210,000	-
GRAND TOTAL			692,861	5,081,700	11,435,560	8,370,000	1,026,000	-

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

						CY 2019					
DEPT	CURRENT PLATE	Make	MODEL / DESCRIPTION	YEAR	VIN (current vehicle)	CY 2019 Total Funding Approval	Capital Plan				
EMS			AMBULANCE - Sprinter			-	120,000				
EMS			AMBULANCE - BOX					200,000	207,000	214,245	221,744
EMS Total						-	120,000	200,000	207,000	214,245	221,744
Emergency Management	Replacing: 155TR	TBD	MOBILE COMMAND CENTER ^{-a)}	2006	1R9US24236B295798	-					800,000
Emergency Management Total						-	-	-	-	-	800,000
Highway	Replacing: 61TR/63TR/69TR/47TR/58TR/96TR	INTERNATIONAL	FREIGHTLINER SNOWPLOW/SANDER	1992-2002	Various	-	400,000	210,000	216,000	222,000	229,000
Highway	NEW	STETCO	CATCH BASIN CLEANER	N/A		-	120,000				
Highway	Replacing: 283TR	TBD	4900 4X2 - CRANE TRUCK	1992	1HTSDPPN3NH453421	-	150,000				
Highway	Replacing: 162TR/118TR	TBD	RUBBER TIRE LOADER	1988	33Z03110/L60EV60199	-		171,150		179,708	
Highway	NEW	TBD	TELEHANDLER	N/A		-			80,000		
Highway	Replacing: 166TR	TBD	ROLL OFF TRUCK	1996		-	200,000				
Highway Total						-	870,000	381,150	296,000	401,708	229,000

DEPT	CURRENT PLATE	Make	MODEL / DESCRIPTION	YEAR	VIN (current vehicle)	CY 2019	CY 2020 Capital Plan	CY 2021 Capital Plan	CY 2022 Capital Plan	CY 2023 Capital Plan	CY 2024 Capital Plan
						<i>CY 2019 Total Funding Approval</i>					
						-					
Parks	NEW		Multi-One articulated Tractor with a Zaugg snow blower			91,300					
Parks	Replacing: JD110	TBD	Tractor/loader	2004	Replacing John Deere - JD110 - LV0110T311312	-		93,800			
Parks	Replacing: 217TR	INTERNATIONAL	Hook Lift Truck	2006		-	200,000				
						-					
Parks Total						91,300	200,000	93,800	-	-	-
Tricaster System for Live streaming							36,000				
GRAND TOTAL						91,300	1,226,000	674,950	503,000	615,953	1,250,744

^{a)} Department of Emergency Management will seek grant funding from multiple sources to help absorb costs of mobile Command Center. Grant amounts unknown at this time.

CATEGORY	LOCATION	DESCRIPTION	CY 2019	CY 2020 Capital Plan	CY 2021 Capital Plan	CY 2022 Capital Plan	CY 2023 Capital Plan	CY 2024 Capital Plan
			<i>CY 2019 Total Funding Approval</i>					
Economic Development	Trumbull Center	Construction of Boulevard Project	-			4,450,000		
Economic Development	Long Hill Green	Modernization of Long Hill Green ¹	72,000					
Economic Development	Pequonnock River Trail Extension to Church Hill Road	Design - PRT Trail Head ³	-			180,000		
Economic Development	Pequonnock River Trail Extension to Church Hill Road	Construction- PRT Trail Head ³	-				1,801,000	
Economic Development	Church Hill Road/Quality Road Intersection Improvements	Construction - Church Hill Road/Quality Road Intersection Improvements (Design/Construction)	-		144,587	1,277,182		
Economic Development	Long Hill Green - Connection'	Long Hill Connectivity - Design/Construction Connection from Whitney To Govenors Ridge & Former Marissa's Restaurant ⁵	<i>62,000</i>		415,000			
Economic Development	Long Hill Green - Patio/Parking	Long Hill Green - Installation of Patio and Parking within the existing parking area ⁶	100,000					
Economic Development	White Plains Road - Trail Connection	Design -Sidewalk connection from State Parking Lot to Twin brooks Park on WhitePlains road ⁷	-		160,800			
Economic Development	White Plains Road - Trail Connection	Construcion - Sidewalk connection from State Parking Lot to Twin brooks Park on WhitePlains road ⁷	-			804,000		
Economic Development	Dunellen to Trail	Design - Sidewalk design Dunellen to Trail	-	Placeholder				
Economic Development	Dunellen to Trail	Construcion - Sidewalk design Dunellen to Trail	-		560,000			
Economic Development	Whitney Avenue sidewalk	Whitney Avenue Sidewalk design	-	Placeholder				
Economic Development	Whitney Avenue sidewalk	Whitney Avenue Sidewalk construction	-		560,000			
Economic Development	Bicycle and pedestrian master plan	Bicycle and pedestrian master plan	-		100,000	100,000		
Economic Development	Mall planning study	Trumbull Mall Area/Southern Gateway Planning Study	-	50,000				
Economic Development Total			234,000	50,000	1,940,387	6,811,182	1,801,000	-
Engineering	Wildwood Drive	Wildwood Drive Drainage Evaluation	-					
Engineering	Colony Road	Sedimentation Removal Construction	-		387,402			
Engineering	Chestnut Hill Road (LOTICIP GRANT) ⁴	Roadway Improvements	1,319,530					
Engineering	Strobel Road (LOTICIP GRANT) ⁴	Roadway Improvements	6,384,000					
Engineering	Daniels Farm Road	Drainage Design	250,000					
Engineering	Daniels Farm Road	Drainage Improvements	-		1,510,000			
Engineering	Daniels Farm Road	Roadway Improvements	-	-		2,159,990		

CATEGORY	LOCATION	DESCRIPTION	CY 2019	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024
			Total Funding Approval	Capital Plan	Capital Plan	Capital Plan	Capital Plan	Capital Plan
WPCA	Reservoir Ave and Old Town Pump Station	Pump Station Construction	3,780,621	-				
WPCA	Whitney Ave Pump Station	Pump Station Upgrades Design	-	241,000				
WPCA	Whitney Ave Pump Station	Pump Station Upgrades Rehabilitation	-			1,200,000		
WPCA	Merritt Boulevard Pump Station	Pump Station Design	-		150,000			
WPCA	Merritt Boulevard Pump Station	Pump Station Rehabilitation	-				1,200,000	
WPCA	Contract V	Sanitary Sewer Construction	-		4,950,000			
			-					
Total WPCA			3,780,621	241,000	5,100,000	1,200,000	1,200,000	-
			-					
GOLF	Tashua Knolls	Clubhouse Feasibility/Architect	-		58,679	80,664	79,679	250,000
GOLF	Tashua Knolls	Faiway mover - Toro Reelmaster	-		58,679	58,679		
GOLF	Tashua Knolls	Toro Greenmaster TriFlex mower	-			21,985	55,679	
GOLF	Tashua Knolls	Faiway aerator - Toro ProCore	-				24,000	
			-					
GOLF	Tashua Knolls	Renovation and expansion of Hole 14 and 17 tee complex	-					
			-					
Total Golf			-	-	117,358	161,328	159,358	250,000
GRAND TOTAL			3,780,621	241,000	5,217,358	1,361,328	1,359,358	250,000

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.

Trumbull High School

ADA Field compliance - \$175,000

This additional funding is in addition to \$105,000 that was approved last year and work that was accomplished this summer. Additional work other than what was identified by Park and Rec is necessary in order to be in compliance with ADA.

Long Hill Administration Building

New Administration Building - \$3,900,000

This is an estimate that was developed to replace the Long Hill Admin building additionally we have been carrying for four years now approximately \$1,095,000 to affect repairs to roof, paving, drainage and HVAC.

Build Data Center at High School - \$175,000

In order to be prepared for moving or building failures at Long Hill it will be necessary to plan for moving the Data Center into the High School.

Long Hill Building



TRUMBULL BOARD OF ADMIN / OFFICE

1/8" = 1'-0"



Trumbull Board of Education
New Admin Building Madison Ave, Trumbull, Ct.
Master Control Budget May 2, 2018

I. CONSTRUCTION COSTS (HARD COSTS) Total Sq. Ft.

	Units	Cost
CONSTRUCTION COST ()		\$ 2,836,670
11750	sf	
Subtotal Construction Costs	241.42	\$ 2,836,670
9 Excess Liability		\$ -
10. State of Ct. Permit Fee 0.17%		\$ 4,822
11. Building Permit Fees 1.70%		\$ 48,223
12. General Conditions		in cost
13. Construction Management Reimbursable		
14. Bonds 1.300%		\$ 36,877
15. Construction Management Fee 6.00%		\$ 170,200
A/E fee design 6.00%		\$ 170,200
16. Construction Contingency 5.00%		\$ 141,834
17. Design Contingency 0.00%		\$ -
18. Escalation Contingency 0.00%		\$ -
SUBTOTAL OF CAPITAL CONSTRUCTION COSTS	290.11	\$ 3,408,826

II. OTHER CAPITAL COSTS

1. Furniture		\$ 50,000
2. Technology/Computers (cabling included in construction costs)		\$ 50,000
3. Data/T.V. Cabling		\$ -
4. Phone System and Cabling		\$ -
		\$ -
SUBTOTAL OF OTHER CAPITAL COSTS		\$ 100,000

SUBTOTAL OF EXPENSES ABOVE \$ -

IV. Legal, Administrative, Bonding Costs, Short Term Financing (allow)

V. PROJECT OWNER'S CONTINGENCY

TOTAL PROJECT CONSTRUCTION COST: \$ 3,508,826

Trumbull Bd of Education
New Admin Building



ARCH
DATED May 2, 2018
BISMARK CONSTRUCTION COMPANY
203 - 876 - 8331

BISMARK

BCC

12,000 square ft

DESCRIPTION	DIVISION OF WORK SUBTOTALS	SF COST
10 00 00 GENERAL CONDITIONS	\$ 218,300.00	\$ 18.19
02 00 00 SELECTIVE DEMOLITION	\$ -	\$ -
03 00 00 CONCRETE WORK	\$ 185,600.00	\$ 15.47
04 00 00 MASONRY	\$ 205,000.00	\$ 17.08
05 00 00 METALS	\$ 240,000.00	\$ 20.00
06 00 00 WOOD, PLASTICS, AND COMPOSITES	\$ 115,000.00	\$ 9.58
07 00 00 THERMAL AND MOISTURE PROTECTION	\$ 51,400.00	\$ 4.28
08 00 00 DOORS AND WINDOWS	\$ 189,150.00	\$ 15.76
09 00 00 FINISHES	\$ 345,800.00	\$ 28.82
10 00 00 SPECIALTIES	\$ 14,720.00	\$ 1.23
11 00 00 EQUIPMENT	\$ 8,000.00	\$ 0.67
12 00 00 FURNISHINGS	\$ 16,000.00	\$ 1.33
13 00 00 SPECIAL CONSTRUCTION		
14 00 00 ELEVATOR SYSTEMS	\$ 80,000.00	\$ 6.67
15 00 00 SPRINKLER SYSTEMS	\$ 84,000.00	\$ 7.00
22 00 00 PLUMBING	\$ 180,000.00	\$ 15.00
23 00 00 HVAC	\$ 336,000.00	\$ 28.00
26 00 00 ELECTRICAL	\$ 288,000.00	\$ 24.00
31 00 00 EARTHWORK	\$ 279,700.00	\$ 23.31
SUBTOTAL:	\$ 2,836,670.00	\$ 236.39

PROJECT **New Admin Building Bd of Ed**
Trumbull

Project duration 11 months
project size 12,000 sf



CONSTRUCTION MANAGERS
203-876-8331

New Administration Building

ARCHITECT

DATED **August 10, 2016**
25% drawings

BISMARK CONSTRUCTION COMPANY
Construction Document Phase Estimate

Item	DESCRIPTION	QUANT U/M	MATERIAL TOTAL	LABOR TOTAL	EQUIPMENT TOTAL	UNIT COST	TOTAL COST
010000 GENERAL CONDITIONS							
	Site Superentendant	45 u	\$126,000			\$2,600 \$	126,000.00
	Project manager - assigned	45 u	\$22,500			\$500 \$	22,500.00
	Field Office - Trailer	11 mths	\$13,200			\$1,200 \$	13,200.00
	Field engineering - surveying	1 ls	\$10,000			\$10,000 \$	10,000.00
	Telephone / Computer equipment	11 mths	\$1,760			\$160 \$	1,760.00
	CONSTRUCTION DEBRIS REMOVAL	10 u	\$7,500			\$750 \$	7,500.00
	CONTINUOUS CLEANING ALLOWANCE	200 HRS	\$13,600			\$68.00	\$13,600
	TEMPORARY TOILETS	11 mths	\$1,430			\$130 \$	1,430.00
	PROJECT SIGN	- u	\$0			\$2,500 \$	-
	TEMPORARY WATER	- mths	\$0			\$0 \$	-
	TEMPORARY POWER (see electrical)	- mths	\$0			\$0 \$	-
	SAFETY / OSHA	11 mths	\$2,750			\$250.00 \$	2,750.00
	FINAL CLEANING SERVICE	12,000 sf	\$4,560			\$0.38 \$	4,560.00
	TEMPORARY HEATING	3 mths	\$15,000			\$5,000 \$	15,000.00
10000 - General Requirements - Total:							\$ 218,300.00
020000 Selective Demolition							
020200	Interior demo	- sf	\$0			\$2.00	\$0
22000 - Demolition - total:							\$ -
310000 EARTHWORK							
310301	Cleaning and Grubbing	1 ls	\$15,000			\$15,000 \$	15,000.00
310301.1	Rock removal Allowance	1 ls	\$5,000			\$5,000 \$	5,000.00

	strip and stock pile top soil	1 ls	\$8,000	\$8,000	\$	8,000.00
310302	Erosion control					
	tracking pad	1 ls	\$3,000	\$3,000	\$	3,000.00
	silt fence	- lf	\$5,000	\$5,000	\$	5,000.00
	inlet protection maintenance	- ls	\$2,500	\$2,500	\$	2,500.00
310303	Security fencing	- lf	\$0	\$0	\$	-
310304	Remove bituminous	- sf	\$0	\$0	\$	-
310305	Earth work	1 ls	\$75,000	\$75,000	\$	75,000.00
	Structural fill at foot print for slab on grade	650 cy	\$18,200	\$28	\$	18,200.00
310306	Storm Systems / Detention system	1 ls	\$40,000	\$40,000	\$	40,000.00
310307	Sanity work	1 ls	\$10,000	\$10,000	\$	10,000.00
310308	New Water services 8" & 4"	1 ls	\$10,000	\$10,000	\$	10,000.00
310309	Site Concrete	1 ls	\$25,000	\$25,000	\$	25,000.00
310310	New Bit. Paving & Curbs	1 ls	\$45,000	\$45,000	\$	45,000.00
310312	Landscaping and seeding	1 ls	\$18,000	\$18,000	\$	18,000.00

31000 - EARTHWORK - total: \$ 279,700.00

030000 CONCRETE WORK

030001	Concrete Foundations	320 lf	\$89,600	\$280	\$	89,600.00
032000	Concretye slabs - 2 floors	12,000 sf	\$96,000	\$8	\$	96,000.00

030000 - Concrete - Total: \$ 185,600.00

040000 MASONRY

040002	Masonry elevator shaft	1 ls	\$45,000	\$45,000	\$	45,000.00
040010	Exterior Brick Veneer	5,000 sf	\$160,000	\$32	\$	160,000.00

04000 MASONRY TOTAL: \$ 205,000.00

050000 STEEL WORK

050001	Structural Steel frame	1 ls	\$180,000	\$180,000	\$	180,000.00
05500	Misc. Metal stair / railings	1 ls	\$60,000	\$60,000	\$	60,000.00

5000 - STEEL WORK: \$ 240,000.00

060000 WOOD AND PLASTIC

060502	ARCHITECTURAL CASEWORK (allowance)	1 ls	\$40,000	\$40,000	\$	40,000.00
06052	Exterior Trim	1 ls	\$60,000	\$60,000	\$	60,000.00
060555	Carpentry Misc. Blocking	1 ls	\$15,000	\$15,000	\$	15,000.00

06000 - Woods and Plastic \$ 115,000.00

070000 THERMAL AND MOISTURE

070842	FIRE SAFING	1	ls	\$4,000	\$4,000	\$	4,000.00
070920	JOINT SEALANTS	1	ls	\$5,000	\$5,000	\$	5,000.00
070888	Roof shingles	80	square	\$42,400	\$530	\$	42,400.00

07000 - Thermal and Moisture \$ 51,400.00

080000 DOORS / FRAMES / HARDWARE

080110	HOLLOW METAL FRAMES 3'	25	u	\$6,250	\$250.00		\$6,250.00
080311	ACCESS DOORS	5	u	\$775	\$155		\$775.00
080466	WOOD DOORS	25	U	\$18,750	\$750		\$18,750.00
080467	DOOR LABOR	25	U	\$6,875	\$275		\$6,875.00
080710	DOOR HARDWARE	25	u	\$7,500	\$300		\$7,500.00
08760	Interior glass partitions	1	ls	\$25,000	\$25,000		\$25,000.00
08762	Entry doors vestibule	1	ls	\$25,000	\$25,000		\$25,000.00
080780	Exterior windows - double hung in cold form openings	50	ls	\$90,000	\$1,800		\$90,000.00
080800	GLAZING /door infills	3	ls	\$9,000	\$3,000		\$9,000.00

08710 - DOORS \$189,150.00

90000 FINISHES

090200	GYPNUM BOARD systems	1	ls	\$ 190,000.00	\$190,000	\$	190,000.00
090512	ACOUSTICAL PANEL CEILING SYSTEMS	6,000	ls	\$ 27,000.00	\$4.50	\$	27,000.00
090625	Wall and floor Tile (toilets)	4	ls	\$ 18,000.00	\$4,500.00	\$	18,000.00
090650	Vinyl flooring simulate wood	5,500	sf	\$ 44,000.00	\$8.00	\$	44,000.00
090680	CARPET	770	sy	\$ 30,800.00	\$40	\$	30,800.00
090900	PAINTING	12,000	sf	\$ 36,000.00	\$	3.00	\$ 36,000.00

9000 - FINISHES: \$ 345,800.00

100000 SPECIALTIES

100400	SIGNAGE	1	ls	\$10,000	\$10,000	\$	8,000.00
100520	FIRE PROTECTION DEVICES	6	ls	\$1,920	\$320	\$	1,920.00
100800	TOILET AND BATH ACCESSORIES (H/C)	4	LS	\$4,800	\$1,200		\$4,800.00

10000 - SPECIALTIES - TOTAL: \$ 14,720.00

110000 EQUIPMENT

110005	kitchen appliances	1	ls	\$8,000	\$8	\$	8,000.00
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11000 - EQUIPMENT - Total: \$ 8,000.00

120000 FURNISHINGS

122113	Horizontal Blinds	50	sf	\$	11,000.00	\$220.00	\$	11,000.00
124816	Entrance Mats	1	ls	\$	5,000.00	\$5,000.00	\$	5,000.00

12000 - Furnishings - Total: \$ 16,000.00

140000 CONVEYING SYSTEMS

140000 - CONVEYING SYSTEMS - Total: \$ 80,000.00

150000 SPRINKLER SYSTEM

150001	Sprinklers	12,000	sf	\$	84,000.00	\$7.00	\$	84,000.00
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210000 -Fire Protection - Total: \$ 84,000.00

220000 PLUMBING

220000	PLUMBING	12,000	ls		\$180,000	\$15.00		\$180,000
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220000 -Plumbing - Total: \$ 180,000.00

230000 HVAC

230610	HVAC PACKAGE	12,000	sf		\$336,000	\$28		\$336,000
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15000 - Mechanical - Total: \$336,000.00

260000 Electrical

260001	ELECTRICAL WORK	12,000	sf		\$240,000	\$20		\$240,000
	Data / technology	12,000	ls		\$48,000	\$4		\$48,000

16000 - Electrical - Total: \$ 288,000.00

BUILDING - TOTAL 11,760 sf \$ 2,836,670.00

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
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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)		\$ -
	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 - Jane
Ryan Paving**

TOWN OF TRUMBULL
ENGINEERING DEPARTMENT
--- OPINION OF PROBABLE COST ---

BOE # 2

Project : Jane Ryan
Paving Restoration Project

Date: 7/9/2018
Estimate By: WCM
Checked By: _____

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Reclaiming	SY	13,600	2.41	\$ 32,776.00
	Calcium Chloride	Gal	2,720	1.42	\$ 3,862.00
	Binder Course (2")	tons	1725	109.29	\$ 188,525.25
	Wear Course (2")	Tons	1725	109.29	\$ 188,525.25
	Tack Coat	Gal	1364	6.67	\$ 9,097.88
	Grass Restoration landscaping	SY	3600	13.00	\$ 46,800.00
	ADA Signage	EA	5	200.00	\$ 1,000.00
	Parking Stall Line Striping	EA	68	20.00	\$ 1,360.00
	ADA Stalls	LF	3	40.00	\$ 120.00
	Cross Walks & Stop Bars	EA	2	200.00	\$ 400.00
	Line Striping	LF	1293	0.40	\$ 517.20
	Replace Concrete Curb	LF	3200	31.50	\$ 100,800.00
	Replace Concete Sidewalks	SF	6500	11.01	\$ 71,570.30
	ADA Ramps	SF	2800	18.58	\$ 52,012.80
	Ada Tactile	SF	600	18.58	\$ 11,145.60
	Replace Asphalt Curb	LF	450	9.00	\$ 4,050.00
	Replace binder	SF	2500	4.36	\$ 10,900.00
UNIT PRICE SUBTOTAL =					\$ 723,462.28

ALLOWANCES

Pipe Video Inspection				ALLOWANCE	\$ 12,000.00
Drainage repairs				ALLOWANCE	\$ 175,000.00
CB Replacement	EA	8	3500.00		\$ 28,000.00
manhole	EA	1	4500.00		\$ 4,500.00
Lighting repairs					\$ 10,000.00
ALLOWANCE SUBTOTAL =					\$ 229,500.00

UNIT PRICE + ALLOWANCE = \$ 952,962.28

LUMP SUM ITEMS

Inspection					\$ 52,000.00
Layout					\$ 2,500.00
Mobilization					\$ 4,200.00
LUMP SUM SUBTOTAL =					\$ 58,700.00

SUBTOTAL -UNIT PRICE +ALLOWANCES+ LUMP SUM = \$ 1,011,662.28

CONTINGENCY AND INCIDENTALS

Contingency & Incidents (15% x (Unit Price + Allowances + Lump Sum))				\$ 151,749.00
TOTAL =				\$ 1,163,411.28

ADD 3% ESCALATION PER YEAR - IF COMPLETED IN 2021 = \$ 1,198,314.00

Long Hill Building Paving

**BOE # 4
OPTION 1**

Project :

**BoE - Long Hill @ 6254 Main St
Paving Restoration Project**

11/21/2019

Estimate By: TS

Checked By: _____

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Milling (2401-7800 SY)	SY	6,276	\$3.48	\$21,842
	Grading	HRs	40	\$470.00	\$18,800
	Wear Course (2")	Ton	979.1	\$109.29	\$107,008
	Tack Coat	Gal	828	\$6.67	\$5,526
	Parking Stall Line Striping	EA	80	\$20.00	\$1,600
	ADA Signage	EA	3	\$200.00	\$600
	ADA Stalls	EA	15	\$40.00	\$600
	Wheel Stops	EA	2	\$85.00	\$170
	Cross Walks & Stop Bars	EA	2	\$75.00	\$150
UNIT PRICE SUBTOTAL =					\$156,296

ALLOWANCES

Drainage	ALLOWANCE	\$	75,000.00
	ALLOWANCE		
		\$	-
ALLOWANCE SUBTOTAL =		\$	75,000.00

UNIT PRICE + ALLOWANCE =		\$	231,295.72
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LUMP SUM ITEMS

Design	\$	15,000.00	
Inspection	\$	25,000.00	
LUMP SUM SUBTOTAL =		\$	40,000.00

SUBTOTAL -UNIT PRICE +ALLOWANCES+ LUMP SUM =		\$	271,295.72
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CONTINGENCY AND INCIDENTALS

Contingency & Incidents (15% x (Unit Price + Allowances + Lump Sum))		\$	40,694.36
TOTAL =		\$	311,990.07

option 1

ADD 5% ESCALATION PER YEAR - IF NOT COMPLETED IN 2020 =		\$	15,600.00
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Project :

BoE - Long Hill @ 6254 Main St
Paving Restoration Project

BOE # 4
Option 2

11/21/2019

Estimate By: TS
 Checked By: _____

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Reclaiming	SY	6,276	\$2.41	\$15,126
	Calcium Chloride	Gal	1,255	\$1.48	\$1,858
	Grading	HRs	40	\$470.00	\$18,800
	Blinder Course (2")	Ton	979.1	\$109.29	\$107,008
	Wear Course (2")	Ton	979.1	\$109.29	\$107,008
	Tack Coat	Gal	890	\$6.67	\$5,937
	Concrete Curb	LF	1,603	\$5.18	\$8,303
	Grass Restoration landscaping	SY	1,389	\$13.00	\$18,059
	Parking Stall Line Striping	EA	80	\$20.00	\$1,600
	ADA Signage	EA	3	\$200.00	\$600
	ADA Stalls	EA	15	\$40.00	\$600
	Wheel Stops	EA	2	\$85.00	\$170
	Cross Walks & Stop Bars	EA	2	\$75.00	\$150
				UNIT PRICE SUBTOTAL =	\$285,219

ALLOWANCES

Drainage	ALLOWANCE	\$	75,000.00
	ALLOWANCE		
		\$	-
		ALLOWANCE SUBTOTAL =	\$ 75,000.00
		UNIT PRICE + ALLOWANCE =	\$ 360,218.87

LUMP SUM ITEMS

Design	\$	15,000.00
Inspection	\$	25,000.00
		LUMP SUM SUBTOTAL = \$ 40,000.00

SUBTOTAL -UNIT PRICE +ALLOWANCES+ LUMP SUM = \$ 400,218.87

CONTINGENCY AND INCIDENTALS

Contingency & Incidents (15% x (Unit Price + Allowances + Lump Sum))	\$	60,032.83
		TOTAL = \$ 460,251.70

Option 2

ADD 5% ESCALATION PER YEAR - IF NOT COMPLETED IN 2020 = \$ 23,013.00

**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
						-
						-
						-
						-
						-
						-
						-

BOE#3

BOE#3

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

**CAPITAL IMPROVEMENT PLAN
NARRATIVE
2020-2024**

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.

TRUMBULL LIBRARY

The Library Board received a space assessment from Berger Association. From this report the Board's first priority is to expand parking by approximately 35 spaces.

Construction and modernization of existing Library. The plan is to expand on the design approved in previous years to modernize the existing library and subsequent construction. This is to be done in future years.

Alarm system - \$42,000 in CY 2020. The current fire and security are outdated. Security systems become outdated in time, and new, important features are added every year. Those changes can seriously impact the effectiveness of the system. Additionally, the current alarm is a proprietary system, meaning only a select number of suppliers can service the system. Installing a new non-proprietary fire and security system ensures a safer environment for both residents and staff and provides the Town with more supplier options to maintain and support the system.

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

Town Hall - Renovations to the existing sanitary plumbing and bathroom - \$260,000 in CY 2021.

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.
Tax Collector's counters - \$80,000 in CY 2020.

Replacement of HVAC system as the current system is aging and requires replacement - \$325,000 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.

POLICE HEADQUARTERS

HVAC connection to BMS system and upstairs bathroom renovations \$100,000 over 2 years.

SENIOR CENTER

New Senior Center design and community approval efforts - \$950,000 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- \$625,000 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.

Siding and stairwell replacement at building #6 - \$162,000 in CY 2021. The siding and stairs have major structural issues and advanced rot damage that has spread throughout the building's exterior that requires replacement. The stairwell does not conform to current fire and building codes and needs replacement in order to mitigate liability risks.

HELEN PLUMB BUILDING

HVAC system replacement- \$80,000 in CY 2020. Current HVAC system is becoming aged and requires replacement to provide for continued safe, comfortable and efficient operations. Replacement to be done in partnership with UI.

Window and siding replacement – \$ 90,000 in CY 2021. 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. Some exterior areas of the building structural issues and advanced rot damage requires replacement.

Roof replacement - \$60,000 in CY 2022. The building's roof shows signs of damage due to old age and weather. Replacement is needed in order to prevent any possible damage to property.

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.

RTU Rooftop Unit Replacement - \$54,000 in CY 2022. Replacement of 3 packaged 3-ton units. Current HVAC system is becoming aged and requires replacement to provide for continued safe, comfortable and efficient operations. Cost is based on Antinozzi Associates building inspection report.

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.

Roof replacement - \$140,000 in CY 2021. The building's roof shows signs of damage due to old age and weather. Replacement is needed in order to prevent any possible damage to property.

New pre-fabricated salt shed - \$30,000 in CY 2020. Currently this facility does not have a salt shed to store material used to treat driveways/roads/parking at the transfer station after snow storms in order maintain a safe environment for residents and employees. The new salt shed will maximize the life of salt stockpiles by offering a durable, environmentally conscious, cost effective storage solution.

The above estimated costs will be funded by TEAM, Trumbull will pay 60% and Easton and Monroe will pay 40%.

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

Indian Ledge New Artificial Field and lighting - \$1,500,000 in CY 2020.

Adding additional Synthetic Turf Athletic Fields (SAT) to the Town's inventory is a stated goal of the Parks and Recreation Department and THS Athletic Department and is supported by the community athletic organizations representing thousands of Trumbull youth athletes. SAT fields offer several advantages over traditional natural turf fields. The SAT virtually eliminates cancellation of games and practice due to weather. The quality playing surface is not compromised by overuse allowing for a much greater intensity of scheduling particularly when compared to a varsity facility in which insuring the quality of a grass surface leads to significant restrictions in scheduling. As an offset to the higher construction costs, SAT fields require a minimum of maintenance reducing labor, materials costs and emission of greenhouse gases associated with small engine maintenance equipment such as lawn mowers.

Irrigations - \$25,000 per year in CY 2021 and 2022.

Rest Room Upgrades -\$56,000 each year for two years.

The Parks and Recreation Department started in 2017 a four-year program designed to upgrade the interior of the public restrooms (2 per year) within the park system. Replacement of plumbing fixtures with automatic flush meters, exhaust fans and lights on motions sensors and timers will improve sanitary conditions and odor control while reducing utility costs and making the restrooms more welcoming for guests. Project pricing includes roof replacement. Estimate of cost is provided by Parks Department based on scope of work.

Various Locations - Wooden guardrails and installation - \$100,000 over next 2 years. The Town Parks system has various locations that have existing guard rails or other vehicle deterrents such as pipes and chains that are well past their useful life and need to be replaced.

Indian Ledge Sprinkler Park replacement - \$200,000 in CY 2020. Indian Ledge Sprinkler has a number of broken lines within its concrete pads. In order to make those repairs the entire area must be disassembled.

Kaatz Pond - Dredging construction - \$286,000 in CY 2021. Kaatz Pond Park is the site of the Old Ice House in Town. 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.

Twin Brooks Dredging construction - \$545,700. 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.

Bills Property Design & Development- \$250,000 in CY 2021. We are seeking design work to establish the creation of a new driveway that would enable two way traffic through the Huntington Road entrance to the Main Fields as well as Parking above the main Field and secondary egress through Round Hill Road.

Abraham Nichols Barn - \$60,000 in CY 2021. Due to the age of the building, roof, windows and doors need replacement.

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 - \$950,000 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 – Estimated cost is \$1,070,000 in CY 2020.

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.

Emergency Management Command Center - \$800,000 in future years. This is a much needed asset that will be used to replace a near 20 years old towable trailer. This will make for easier deployment and have upgraded technologies that will carry Trumbull's Emergency Services well into the future. Inclusion in the capital plan will enable federal, state, and private grants to be pursued to fund the project

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

The continuation of Rails to Trails project funding is coordinated with the State Department of Transportation and Connecticut Metropolitan Council of Governments (formerly Greater Bridgeport Regional Planning). LOTCIP grant for trail head/connection for Church Hill.

Trumbull Center – Construction of Boulevard Project \$4,450,000 in CY 2022.

Long Hill Connectivity – Whitney to Governors Ridge and Former Marissa’s restaurant. Grant awarded for \$415,000.

White Plains Road Trail connection from state parking lot to Twin Brooks Park on White Plains Road/ DEEP grant with town match for design \$160,800. Modifications and signage to the commuter lot to create a dedicated trail head. Installation of sidewalks to the Twin Brooks area to connect the trail in both directions and footbridge installation

Dunellen to trail and Whitney Avenue sidewalk design and construction. Design of \$100,000 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

Colony Road – Sedimentation removal construction \$387,402 in CY 2021.

Daniels Farm Road-Drainage design, drainage improvements and roadway improvements \$3,669,990 over the next several years.

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 Town Road – Roadway improvements/Design and construction projected to be done in 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 678,434 included in CY 2020.

ENTERPRISE

WPCA projects are provided by Town Engineer for various town wide repairs.

Whitney Avenue and Merritt Boulevard Pump Stations –The WPCA initiated a Town Wide pump station analysis and as a result, the Whitney Avenue and Merritt Boulevard design and replacement are to be done over the next several years. Design in the amount of \$241,000 is being requested in CY 2020.

WPCA Contract V sanitary sewer design and construction - \$4,950,000 in CY 2021.

Golf Course

Golf Clubhouse – Feasibility study and architect renderings will be done over the next several years.

Various Golf Course related equipment to be purchased over the next several years.

CIP 2020 - 2024

Public Facilities

Library

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 12/9/19

DEPARTMENT

Public Facilities - Trumbull Library

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

Alarm system - The current fire and security are outdated. Security systems become outdated in time, and new, important features are added every year. Those changes can seriously impact the effectiveness of the system. Additionally, the current alarm is a proprietary system, meaning only a select number of suppliers can service the system. Installing a new non-proprietary fire and security system ensures a safer environment for both residents and staff and provides the Town with more supplier options to maintain and support the system.

Parking lot expansion - as the population of the Town rapidly grows the current parking lot is inadequate in size to accommodate residents and employees.

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.

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

All the proposed plans will affect the main Library. The projects will increase public safety and create a more energy efficient building.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

Estimated 2020 - 2024 construction

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	
Construction and library modernization Replace security and fire alarm system (non-proprietary system)	42,000	3,000,000	3,000,000			6,000,000
Parking lot expansion		110,000				110,000
Replace BMS (Building Management System)				30,000		30,000
						-

Pub Fac # 1

Pub Fac # 2

Pub Fac # 3

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

Library Alarm



Public Facilities # 1

L5 106051

L6 106055

1087 FEDERAL ROAD • BROOKFIELD, CONNECTICUT 06804

Tel: 203-775-8788 • www.UnitedAlarm.com • Fax: 203-775-8222

Sent Via E-Mail: awhite@trumbull-ct.org

Allen White
Town of Trumbull
Trumbull, CT

June 28, 2019

RE: Proposal for Replacement of Fire Alarm Systems- Town Hall, Library, Senior Center

Dear Allen,

United Alarm Services is committed to providing quality installations with a technical staff that is fully licensed and insured. In addition, we provide a 24 hour service and state of the art monitoring from our company owned Central Station facility in Brookfield, Connecticut.

On the following pages you will find a breakdown of the devices and costs for this proposed work. Please call me should you have any additional questions at 203 775-8788. I look forward to working with you on these projects.

Thank you,

Jimmy Corbett

Allen White
Town of Trumbull
Trumbull, CT
June 28, 2019

RE: Proposal for Replacement of Fire Alarm Systems- Town Hall, Library, Senior Center
Page 2

Upon approval, United Alarm will provide the following service and equipment:

Replacement of the Current Proprietary Fire Alarm with Addressable NON-PRORIETARY Master Fire Control Panel

Replace All Addressable Devices Within the System

Includes Labor, Programming, Devices Listed and Training

Total Installation Cost: \$35,000 per Location

added 20% for incidentals

Terms: A 50% Deposit is due prior to commencement of the work with the balance due upon completion of the scheduled work. If the project is completed in stages, progress payments would apply. Monitoring fees will be billed annually, or semi-annually, in advance plus applicable sales tax.

ACCEPTANCE OF PROPOSAL- The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. This quote is subject to a review of the insurance requirements of the buyer and that any increased cost to insure for the quoted project may be added to the price for services/materials quoted by United Alarm.

Jimmy Corbett- United Alarm Representative Subscriber Date

Peter Engstrom
19 Olmstead Hill Road
Wilton, CT 06897
RE: Proposal for Alarm System Installation
June 25, 2019
Page 3

Home Automation Available for above listed system with device options below to be controlled via ONE APP on your Smartphone Connected through the United Alarm installed system.

Z-WAVE Options with Z-Wave Module Activated (Adds \$5 to monitoring for any or all):

Polished Brass Z-Wave Lockset with Integration to System +\$245.00 each #__ Initial__
(Other finishes are available)

Integrated Digital Thermostat for Both Heating and Cooling (Installed by HVAC Contractor) +\$189.00 each #__ Initial__

Z-Wave Lamp Module (Controls any plug in device) + \$95.00 each #__ Initial__

Z-Wave Dimmer Switch (Controls any switch group) + \$76.00 each #__ Initial__

*****See Other Z-Wave Options Available at- z-wave.com*

Pub. Fac. #1

Terms:

A 50% Deposit is due prior to commencement of the work with the balance due upon completion of the scheduled work. If the project is completed in stages, progress payments would apply. Monitoring fees will be billed annually, or semi-annually, in advance plus applicable sales tax.

ACCEPTANCE OF PROPOSAL— The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. This quote is subject to a review of the insurance requirements of the buyer and that any increased cost to insure for the quoted project may be added to the price for services/materials quoted by United Alarm.

Steve Kolitz- United Alarm Representative

Subscriber

Date

Library Parking Lot

Pub Fac # 2



SUEAN J. HORTON
Director

Received
6/13/16

TO: Maria T. Pires, Director of Finance
FROM: Arthur A. Kukla, Treasurer, Library Board of Trustees
RE: Five-Year Capital Plan
DATE: June 13, 2016

Attached is information requesting the construction of additional parking for the Trumbull Library located on Quality Street. This project was previously requested in 2011. Since then our lack of adequate parking for our patrons and activities has become more serious.

If you have any questions or need additional information, please contact me at 203 375-5117 or Jeannine Stauder at 203 268-3001.

Justifying the need for additional parking spaces:

When the library was built in 1974 parking was barely adequate. Since 1974, a new children's wing has been added, community room usage has increased so that there is now a shortage of available times for individuals wanting to use the room. As the population of the town has grown the library has constantly reorganized to meet the needs of the Citizens of Trumbull. A technology center with up to date computers is available, a teen area to recognize their needs, study areas, reading areas and space for the increase in printed material from technology to the best sellers. The interior of the library is constantly being reorganized to serve the changing needs of our patrons. Recently the library hosted focus groups to discuss the future of the library system. The major complaint of those attending was the severe lack of parking. Patrons have to park on street between the library and the town hall, in the town hall parking area and across the street in the Stop & Shop parking area. In 2011, the Board worked with the Public Works Dept. and other interested groups to develop a plan for an additional 35 spaces. The project was put out to bid in May 2011. Nine proposals were received. A decision by the Administration was made to reject the proposal. Since then the need for additional parking has become more acute.

Once again the Library Board is requesting funds for additional parking. There is no change in the 2011 plans. If approved the additional parking should become available during the second half of 2016.

Pub Fac # 2

**TOWN OF TOWN TRUMBULL
BID RESULTS**

RFP# 5893 PAVING OF LIBRARY PARKING LOT DUE: 05/24/11

COMPANY	TOTAL PROPOSE
D&P Construction	196,500.00
G. PIC	113,760.00
Dearing Construction	108,700.00
Cherry Hill Construction	125,584.00
R. S. Sita & Septic	88,825.00
Guerra Construction	119,000.00
B&W Paving	108,204.00
Reliable Excavating	98,914.25
Dalling Construction	134,850.00

R. Chimini, Purchasing Agent

Library Building Maintenance System



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

Pub Fac. # 3

July 10, 2019

Town of Trumbull
5866 Main Street
Trumbull, CT 06611

Attn: Allen White

Re: Library control upgrade

Pursuant to our conversation regarding upgrade of the control system located at the **Library**, We are pleased to submit the following proposal and scope of work:

- **Provide engineering, web server, graphics, programming, wiring and wiring diagrams for the site.**
- **Provide and install controls for RTU 1, AH1, and Boiler**
- **Start and test all units.**

The price for the above work is: \$30,000.00

GUARANTEE

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delay beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Worker's Compensation Insurance. If there is any default on payments, the signor agrees to pay all collection fees, court costs and lawyer fees and 1-1/2% per month interest, on the unpaid balance, not to exceed 18%. Such default will result in cancellation of all Warranties and Guaranteed work on any and all equipment.
Note: We may withdraw this proposal if not accepted within 30 days.

In hopes that you find this proposal acceptable, please sign below and return back via email jleslie@mainhvac.com or fax 203-683-1429 so that we may order the necessary items and schedule your work. If you have any questions, please feel free to contact me at 203-334-3419, extension 1416. I look forward to hearing from you.

Jim Leslie

7-10-19

Jim Leslie
Service Manager

Date

Accepted by (Customer)

Date

**CIP 2020 - 2024
Public Facilities**

TOWN HALL

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 12/9/19

DEPARTMENT

Public Facilities - Town Hall

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

Sidewalk replacement - the existing sidewalk is in poor condition and poses a safety risk for pedestrians. Townwide sidewalks require ongoing rehabilitation to provide for continued safe and comfortable usage and to meet ADA accessibility standards. Repairs are needed in order to mitigate liability risks to the Town. There is approximately 3,600 square feet of lifted and or cracked sidewalk around the Town Hall campus. Current pricing on the Towns On Call Bid is \$16.00 per square foot for a total of \$57,600

Town Collector Security & ADA compliant service counters - the service counters do not comply with accessible requirements. The space will have safety and accessibility issues addressed to comply with ADA Compliance requirements and increased security.

Replace HVAC System (schematic design and replacement) - The current system is becoming aged and requires replacement to provide for continued safe, comfortable and efficient operations.

Restroom Renovations (ADA compliant) - The Americans with Disabilities Act (ADA) requires modifications to the existing restroom facilities within Town Hall for improved accessibility to individuals with physical limitations.

Floor Tiling - tiles are showing signs of wear and tear in several areas of the building. Replacement is needed in order to create a safe environment for employees and public as well as maintain a professional appearance in our public buildings.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

Estimated 2020 - 2025 construction

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		
TH sidewalk replacement	25,000	25,000	25,000			75,000	Pub Fac #4
Tax collector security counters	80,000					80,000	based on prior estimate
Consulting services for plans & specs to replace HVAC system	25,000					25,000	Pub Fac #6
Replace HVAC system	300,000					300,000	Pub Fac #6
Restroom renovations ADA compliant	260,000					260,000	Pub Fac #7
Finishes - Floor Tiling	-				44,000	44,000	Pub Fac #8

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

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 VP

**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.

ADA Restroom Renovations (2)

December 6, 2019

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

Re: Construction Budgets and A/E Fees for
Town of Trumbull 2020 Capital Improvement Projects

Dear Mr. White:

Per your request, we are presenting this proposal for architectural / engineering fees as well as construction budgets for the following projects:

Helen Plumb Building:

Window Replacements
Construction Estimate: \$75,000 A/E Fee: \$14,000

Roof Replacement
Construction Estimate: \$45,000 A/E Fee: \$12,000

Front Door Replacement
Construction Estimate: \$5,000 A/E Fee: \$0

Transfer Station Building

New Emergency Generator
Construction Estimate: \$140,000 A/E Fee: \$14,000

Concrete Floor Slab Repairs
Construction Estimate: \$26,000 A/E Fee: \$10,000

Roof Replacement
Construction Estimate: \$120,000 A/E Fee: \$18,000

New Pre-Fabricated Salt Shed
Construction Estimate: \$30,000 A/E Fee: \$0

Town Hall Building

Upgrade finishes and fixtures in (2) toilet rooms
Construction Estimate: \$80,000 A/E Fee: \$15,000

Handicap accessible improvements to (2) toilet rooms
Construction Estimate: \$140,000 A/E Fee: \$24,000

Council Chambers – Paint walls & Refinish wood
Construction Estimate: \$5,000 A/E Fee: \$0

Replace 200 Square Feet of concrete sidewalk
Construction Estimate: \$3,000 A/E Fee: \$0

Total = \$ 259,000



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

TH- FLOOR TILING

CSI / Spec #	CSI Format Names	Report Item Names	Previous Report # / New Item	Complete	Quantity	Totals By Division	Suggested 5 Year Capital Implementation Plan					Comments / Notes
							2010 - 11	2011-12	2012-13	2013-14	2014-15	
DIVISION 6 - Wood and Plastics			0	0								
01	08130 Heavy Timber Construction	Wood Beams	4.04									
0	08402 Interior Architectural Woodwork	Wall Finishes (Int Trim)	5.02	No	500 LF?						\$1,000	
0	08201 Exterior Finish Carpentry		0	New Item								
Division 6 - TOTALS						\$1,000						
DIVISION 7 - Thermal & Moisture Protection			0									
0	07511 Built-Up Asphalt Roof	Roofing	2.01	No	5500 SF		\$75,000					Replacement of existing roof system recommended.
0	07313 Slate Shingles		0	No	5304 SF		\$1,000					Cost allocated for general maintenance only
	07411 Metal Roof Panels		0	New Item								
0	07480 Sliding Systems	Exterior Walls	3.01									
0	07920 Joint Sealants		0	New Item	Yes	30 LF						Expansion joint sealing was completed
0	07311 Asphalt Shingles		0	New Item								
	07811 Sprayed Fire Resistive Material		0	New Item								
	07321 Clay Roof Tiles		0	New Item								
0	0		0	0								
Division 7 - TOTALS						\$76,000						
DIVISION 8 - Doors & Windows			0	0								
0	08110 Steel Doors & Frames	Exterior Doors	3.02									
0	08550 Wood Windows	Windows	3.03	No	2000 SF					\$150,000		All existing single pane wood windows to be replaced
	08520 Aluminum Windows		0	3.03								
	08710 Door Hardware	Hardware	5.08	No	7		\$4,500					Keying system shall be evaluated in connection with the Security evaluation / hardware upgrades required.
0	08211 Flush Wood Doors	Interior Doors	5.05	No	13		\$14,000					
	08322 Detention Doors & Frames	Reconstruction	12.02									
0	08381 Sectional Overhead Doors	Garage Doors	3.02									
	08411 Aluminum Framed Entrances		0	New Item	No	4 sys.			\$80,000			Replace four entrance door assemblies with aluminum framed systems, including the interior door system at each location.
Division 8 - TOTALS						\$248,500						
DIVISION 9 - Finishes			0	0								
0	09051 Resilient Floor Tile	Floor Finishes	5.01	15%	4430 SF						\$44,000	13 separate areas. Carpet encasement existing tile in many areas / Testing may be required
0	09400 Terrazzo Flooring		0	0								
0	09680 Carpet		0	5.01	235 SF		\$1,600					Carpet Replacements
0	08220 Portland Cement Plaster	Wall Finishes (on Masonry)	5.02	No	4 SF				\$300			Repair plaster on existing wall
0	09910 Paint		0	0								
	(Included Above)	Exterior Walls	3.01									



CIP 2020-2024 Facilities

Police Headquarters

PD - Building Management System



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

Pub Fac. #9

July 10, 2019

Town of Trumbull
5866 Main Street
Trumbull, CT 06611

Attn: Allen White

Re: Library control upgrade

Pursuant to our conversation regarding upgrade of the control system located at the **Library**, We are pleased to submit the following proposal and scope of work:

- **Provide engineering, web server, graphics, programming, wiring and wiring diagrams for the site.**
- **Provide and install controls for RTU 1, AH1, and Boiler**
- **Start and test all units.**

The price for the above work is: \$30,000.00

GUARANTEE

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delay beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Worker's Compensation Insurance. If there is any default on payments, the signor agrees to pay all collection fees, court costs and lawyer fees and 1-1/2% per month interest, on the unpaid balance, not to exceed 18%. Such default will result in cancellation of all Warranties and Guaranteed work on any and all equipment.

Note: We may withdraw this proposal if not accepted within 30 days.

In hopes that you find this proposal acceptable, please sign below and return back via email jleslie@mainhvac.com or fax 203-683-1429 so that we may order the necessary items and schedule your work. If you have any questions, please feel free to contact me at 203-334-3419, extension 1416. I look forward to hearing from you.

Jim Leslie

7-10-19

Jim Leslie
Service Manager

Date

Accepted by (Customer)

Date

PD - Bathroom Renovation

CIP 2020- 2024 Facilities

Senior Center

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 12/9/19

DEPARTMENT

Public Facilities - Senior Center

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

Replace HVAC System in Multi-Purpose Room - The current system is becoming aged and requires replacement to provide for continued safe, 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 is outdated and in constant need of repairs. Modernization is required in order to improve elevator 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; in addition, the parking lot does not sufficiently meet the current needs of the staff and residents parking at the Sr. Center. There is also a proposal to expand the parking lot and replace the bocce court. There is lack of parking for our residents and staff.

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 by reducing the loss of heating and cooling

Will this project necessitate staffing increases?
No

What is the general plan and timeline for completion?
Estimated 2020 -2023

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

PROJECT DESCRIPTION	CALENDAR YEAR FUNDING					TOTAL	
	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024		
Sr. Center design & community approval efforts	950,000					950,000	no quote
Sr. Center construction		6,500,000	6,500,000			13,000,000	no quote
Replace A/C in multi-purpose room		50,000				50,000	Pub Fac# 11
Renovate 2nd floor kitchen		250,000				250,000	Pub Fac# 12
Elevator modernization and upgrades (2)		200,000	200,000			400,000	Pub Fac# 13
Install handicap ramps and ADA door opener		33,000				33,000	Pub Fac# 14
New Parking lot - paving		170,000				170,000	Pub Fac# 15
Existing Parking lot - paving		370,000				370,000	Pub Fac# 16
Replace windows at Social Services		55,000				55,000	Pub Fac# 17

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

Sr. Center HVAC



MECHANICAL
HEATING, PLUMBING & A/C

(203) 268-9223

P.O. Box 294
Monroe, CT 06468
203-268-9223 FAX 203-452-8853

Pub. Fac. # 11

July 8, 2019

Town of Trumbull
5866 Main St
Trumbull, CT 06611

Re: Senior Center HVAC Replacement Revised

Thank you for the opportunity of quoting you on the replacement of the existing 10 ton HVAC system for the Trumbull Senior Center. All work will be performed with a high degree of craftsmanship and in compliance with all regulations and state and local codes.

A & B Mechanical, LLC will supply and install the following scope of work:

HVAC Scope of Work

- 1) Demo existing 10 ton Carrier system –Air Handler in closet upstairs (leave condenser in basement)
- 2) F&I one (1) Trane 10 ton Air Handler – disassemble and reassembly of AHU in Closet
- 3) F&I one (1) Trane 10 ton Outdoor Condenser
- 4) F&I Insulated Refrigeration & Condensate Piping
- 5) F&I New 3 phase wiring for Condenser
- 6) Thermostat & Wiring
- 7) Start & Test System
- 8) Permit
- 9) One Year Warranty

The above work can be done for the sum of:
Forty-One Thousand Nine Hundred Dollars (\$41,900.00) No Tax

Exclusions

1. New Electrical Panel
2. New Electrical services
3. Concrete Cutting, Excavation and Backfilling
4. Roof Cutting
5. Cutting, Patching, Painting
6. Overtime and Off Hours
7. Items Other than Listed Above

Guarantee: all labor, and material supplied by A & B Mechanical, LLC will carry a one (1) year guarantee from the date on installation against defects for both workmanship and material.

If you have any questions with our work please do not hesitate to call.

Thank you for the opportunity of working with you,

Arnie Jones Jr
A & B Mechanical, LLC

Terms and Conditions

A & B Mechanical, LLC is a SBE and Woman-Owned Business

Fax: (203) 452-8853 E-Mail: mailbox@abmechanicalllc.com Web: www.abmechanicalllc.com

CT Licenses S1:301170 P1:282005 SM1:3717 F1:11384 MEC:1168

Sr. Center Kitchen

December 6, 2019

Pub Fac # 12

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

Re: Construction Budgets and A/E Fees for
Town of Trumbull 2020 Capital Improvement Projects

Dear Mr. White:

Per your request, we are presenting this proposal for architectural / engineering fees as well as construction budgets for the following projects:

Helen Plumb Building:

Window Replacements

Construction Estimate: \$75,000 A/E Fee: \$14,000

Roof Replacement

Construction Estimate: \$45,000 A/E Fee: \$12,000

Front Door Replacement

Construction Estimate: \$5,000 A/E Fee: \$0

Transfer Station Building

New Emergency Generator

Construction Estimate: \$140,000 A/E Fee: \$14,000

Concrete Floor Slab Repairs

Construction Estimate: \$26,000 A/E Fee: \$10,000

Roof Replacement

Construction Estimate: \$120,000 A/E Fee: \$18,000

New Pre-Fabricated Salt Shed

Construction Estimate: \$30,000 A/E Fee: \$0

Town Hall Building

Upgrade finishes and fixtures in (2) toilet rooms

Construction Estimate: \$80,000 A/E Fee: \$15,000

Handicap accessible Improvements to (2) toilet rooms

Construction Estimate: \$140,000 A/E Fee: \$24,000

Council Chambers – Paint walls & Refinish wood

Construction Estimate: \$5,000 A/E Fee: \$0

Replace 200 Square Feet of concrete sidewalk

Construction Estimate: \$3,000 A/E Fee: \$0



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301 Merritt 7
Norwalk, Connecticut 06851

t 203.956.5460

www.antinozzi.com

Senior Center Building

Replace Windows at Social Services Dept.
Construction Estimate: \$45,000 A/E Fee: \$10,000

Renovations to 2nd floor kitchen
Construction Estimate: \$220,000 A/E Fee: \$28,000

Elevator Modernization – (1) elevator
Construction Estimate: \$180,000 A/E Fee: \$20,000

Total = \$ 248,000

Public Works Buildings

Maintenance Garage – exterior painting
Construction Estimate: \$25,000 A/E Fee: \$0

Plow Trucks Garage – exterior painting
Construction Estimate: \$25,000 A/E Fee: \$0

Thank you for the opportunity to provide you with these construction budgets and fees. 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

Sr. Center

Elevators (2)

December 6, 2019

Pub Fac # 13

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

Re: Construction Budgets and A/E Fees for
Town of Trumbull 2020 Capital Improvement Projects

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Per your request, we are presenting this proposal for architectural / engineering fees as well as construction budgets for the following projects:

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Replace 200 Square Feet of concrete sidewalk

Construction Estimate: \$3,000 A/E Fee: \$0



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Mr. Allen E. White
December 6, 2019
Page 2 of 2

Pub Fac # 13

Senior Center Building

Replace Windows at Social Services Dept.

Construction Estimate: \$45,000 A/E Fee: \$10,000

Renovations to 2nd floor kitchen

Construction Estimate: \$220,000 A/E Fee: \$28,000

Elevator Modernization – (1) elevator

Construction Estimate: \$180,000 A/E Fee: \$20,000

Total = \$200,000 each

Public Works Buildings

Maintenance Garage – exterior painting

Construction Estimate: \$25,000 A/E Fee: \$0

Plow Trucks Garage – exterior painting

Construction Estimate: \$25,000 A/E Fee: \$0

Thank you for the opportunity to provide you with these construction budgets and fees. 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

Sr. Center
ADA ramp and door opener

Allen White

From: Gregory M Raucci <gmraucci@bismarkconstruction.com>
Sent: Wednesday, July 31, 2019 8:02 AM
To: Allen White

Allen,

We are providing our estimated costs to install handicap ramps at the Senior center.

Front entrance \$28,000 dollars
Side entrance. \$21,000 dollars

A large portion of the cost on each is the handrails.

The side entrance might have a savings if we build up a portion of the grade to the entrance. In my opinion the side entrance has the easiest solution



Gregory M. Raucci |AIA President

Bismark Construction
Office: [203.876.8331](tel:203.876.8331)
gmraucci@bismarkconstruction.com
www.bismarkconstruction.com

STRATHMOOR ELECTRIC, INC.

1261 STRATFORD AVENUE
STRATFORD, CONNECTICUT 06615-6324
PHONE (203) 377-4261 FAX (203) 386-1388
CONNECTICUT LICENSE E-1 #196589
WESTCHESTER COUNTY LICENSE #1673

Proposal

July 30, 2019

Town of Trumbull
366 Church Hill Road
Trumbull, CT 06611

Re: Senior Center

We are pleased to submit our proposal for electrical work to include the following:

Handicap Door Opener

*Furnish and install the following:

- 1 ADA door opener
- 2 ADA handicap door buttons
 - One button mounted on outside post
 - One button mounted on inside wall
- 1 120 volt power

TOTAL COST	\$5,550.00
-------------------	-------------------

WE PROPOSE to furnish labor and material – complete with the above specifications, for the sum of Five Thousand Five Hundred-Fifty and 00/100 Dollars

Payment to be made as follows: upon completion of work

ACCEPTED. The above prices, specifications, and conditions are satisfactory and hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Respectfully submitted,
STRATHMOOR ELECTRIC, INC.



Date of Acceptance _____

By _____

Michael Liscinsky

**Sr. Center
Parking Lot Paving**

Sr. Center Windows

December 6, 2019

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

Re: Construction Budgets and A/E Fees for
Town of Trumbull 2020 Capital Improvement Projects

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Roof Replacement

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Construction Estimate: \$30,000 A/E Fee: \$0

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Construction Estimate: \$5,000 A/E Fee: \$0

Replace 200 Square Feet of concrete sidewalk

Construction Estimate: \$3,000 A/E Fee: \$0



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Norwalk, Connecticut 06851

t 203.956.5460

www.antinozzi.com

Mr. Allen E. White
December 6, 2019
Page 2 of 2

Senior Center Building

Replace Windows at Social Services Dept.
Construction Estimate: \$45,000 A/E Fee: \$10,000

Total = \$ 55,000

Renovations to 2nd floor kitchen
Construction Estimate: \$220,000 A/E Fee: \$28,000

Elevator Modernization – (1) elevator
Construction Estimate: \$180,000 A/E Fee: \$20,000

Public Works Buildings

Maintenance Garage – exterior painting
Construction Estimate: \$25,000 A/E Fee: \$0

Plow Trucks Garage – exterior painting
Construction Estimate: \$25,000 A/E Fee: \$0

Thank you for the opportunity to provide you with these construction budgets and fees. 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

CIP 2020- 2024
Public Facilities

PW Yard

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 12/9/19

DEPARTMENT

Public Facilities - Public Works Yard

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

Construction - Town Yard Garage maintenance/replacement/culvert - 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.

Structural Improvements to plow garage and bay door replacement - This garage is used to store plows. The current layout does not allow for plow trucks to be moved without first re-arranging trucks already parked inside the bay. Additionally, the plows are tightly packed into the bay making it very difficult for drivers to park and pull in and out of the garage. The current gate too narrow. The goal is to widen the opening and replace the gate; plows will have more room to move about and pull in and out of the garage without any obstructions. This will make the process safer and streamline the process. Costs estimated based on discussions with PW Director and industry prices for construction and materials.

Siding and stairwell replacement at building #6 - the siding and stairs have major structural issues and advanced rot damage that has spread throughout the building's exterior that requires replacement. The stairwell does not conform to current fire and building

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

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

Estimated 2020 -2024

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		
Town Yard Garage maintenance/replacement/culvert	450,000					450,000	Pub Fac# 18
Structural improvements to plow garage #2 and bay door replacement	175,000					175,000	no estimate
HWY Siding replacement building #6	82,000					82,000	Pub Fac# 19
HWY stairwell replacement building #6	80,000					80,000	Pub Fac# 20

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

PW Yard Culvert



Engineers | Environmental Specialists

**Preliminary Opinion of Probable Cost
for the Construction of**

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

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

449,100 ✖

PW Yard

Building # 6

December 1, 2017

Pub Fac # 19 and 20
Building #6 DPW

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

Re: Construction Budgets & A/E Budgets
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

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

Transfer Station – New Generator

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 budg
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

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Bridgeport, Connecticut 06604

t 203.377.1300 f 203.378.3007

301 Merritt 7
Norwalk, Connecticut 06851

t 203.956.5468

www.antinozzi.com

Total = \$81,200

Total = \$79,500

197K

32K

140K

181K

79K

59K

234K

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 12/9/19

DEPARTMENT

Public Facilities - Police Headquarters

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

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.

Bathroom renovations - the current restrooms are dated and showing signs of wear and tear. The building requires a restroom update to meet ADA standards and bring them up to building code.

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

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

Estimated construction 2021 - 2023

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	
Connect HVAC system to BMS (Building Management System)		30,000				30,000
Misc. - Bathroom Renovations	-		70,000			70,000
						-

Pub Fac# 9

Pub Fac# 10

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

CIP 2020- 2024
Public Facilities

Helen Plumb Building

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 12/9/19

DEPARTMENT

Public Facilities - Hellen Plumb Building

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

HVAC system replacement- Current HVAC system is becoming aged and requires replacement to provide for continued safe, comfortable and efficient operations. Cost is based on . Replacement to be done in partnership with UI.

Window replacement - 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. Some exterior areas of the building structural issues and advanced rot damage that has spread throughout the building's exterior that requires replacement.

Roof replacement - the building's roof shows signs of damage due to old age and weather. Replacement is needed in order to prevent any possible damage to property.

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

HVAC system replacement- HVAC controls & system need to be upgraded in order to operate the system properly and more efficiently. Cost based on Main Enterprises quotation. Replacement to be done in partnership with UI.

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		
HVAC system replacement	80,000					80,000	Pub Fac# 23
Window replacement		90,000				90,000	Pub Fac# 24
Roof replacement			60,000			60,000	Pub Fac# 25
						-	

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

HP - HVAC System



1180 STRATFORD ROAD
STRATFORD CT 0661
203.334.3419
203 333 3934 FAX
WWW.MAINHVAC.COM

Pub Fac # 23

June 2, 2017

Town of Trumbull
5866 Main St
Trumbull, CT

Re: The Helen Plumb Building
HVAC & Light Budget

Attn: Allen White
Phone: 1-203-673-5994

BUDGET PROPOSAL

We are pleased to submit the following proposal to perform the HVAC & Electrical work as described in the scope of work as listed below:

HVAC Scope:

- (2) Gas Fired Furnaces- 95% Efficient
- (2) A/C Condensing Units
- (2) A/C Evaporator Coils
- (1) Wall Hung Water Heater
- (2) Condensate Pumps
- New Refrigeration line sets
- New PVC Flue Piping
- Gas Piping – disconnect & reconnect
- Condensate Piping – disconnect & reconnect
- Duct Work – disconnect & reconnect
- Electrical Power Wiring – disconnect & reconnect
- Comfort air balancing
- Unity Controls
- Demolition & removal of existing HVAC equipment
- Existing duct work to be re-used
- Start-up and testing
- 12 Month Warranty from date of installation
- All work performed during normal working hours

Electrical Scope:

- (12) 2' X 4' LED Ceiling Lights
- (6) 12" Round LED Ceiling Lights
- (8) Wall Sconce Lights
- (4) Chandeliers
- All work performed during normal working hours

Total Budget:

\$72,000.00Tax Not Included**

PLM: 0281335-P1
HTG: 390177-51
MEC: 001128

Excludes:

- Air quality control
- Allowances
- Architectural access doors
- Bonds
- Ceiling removal and installation
- Cleaning or servicing of existing ductwork or equipment
- Concrete housekeeping pads
- Concrete saw cutting, breaking, and patching
- Cutting, patching, and flashing (ceilings, walls, roof deck, etc...)
- Duct smoke detectors (furnished and wired by others)
- Dumpsters
- Excavation and backfilling including bedding materials
- Fire protection
- Furring out of walls and / or ceilings
- Hazardous material remediation including Lead RRP or asbestos
- Painting (including duct, steelwork, and or piping)
- Permit fees
- Premium hours
- Prevailing wages
- Roof penetrations and flashings
- Structural Steel and / or dunnage
- Taxes
- Temporary Services (including air conditioning, heating, ventilation and or dust control)
- Utility company charges, rebates and incentives
- Weather proofing (including vents thru roof or walls)

If you have any questions, please feel free to contact me at 203-334-3419, ext. 1415 or email EWolf@mainhvac.com
I look forward to hearing from you.

Edward Wolf

President

Direct: 203-334-3419 Ext 1415

Cell: 203-650-9008

HP - Windows & Roof replacement

December 6, 2019

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

Re: Construction Budgets and A/E Fees for
Town of Trumbull 2020 Capital Improvement Projects

Dear Mr. White:

Per your request, we are presenting this proposal for architectural / engineering fees as well as construction budgets for the following projects:

Helen Plumb Building:

Window Replacements

Construction Estimate: \$75,000 A/E Fee: \$14,000

24 Total = \$ 89,000

Roof Replacement

Construction Estimate: \$45,000 A/E Fee: \$12,000

28 Total = \$ 57,000

Front Door Replacement

Construction Estimate: \$5,000 A/E Fee: \$0

Transfer Station Building

New Emergency Generator

Construction Estimate: \$140,000 A/E Fee: \$14,000

Concrete Floor Slab Repairs

Construction Estimate: \$26,000 A/E Fee: \$10,000

Roof Replacement

Construction Estimate: \$120,000 A/E Fee: \$18,000

New Pre-Fabricated Salt Shed

Construction Estimate: \$30,000 A/E Fee: \$0

Town Hall Building

Upgrade finishes and fixtures in (2) toilet rooms

Construction Estimate: \$80,000 A/E Fee: \$15,000

Handicap accessible improvements to (2) toilet rooms

Construction Estimate: \$140,000 A/E Fee: \$24,000

Council Chambers – Paint walls & Refinish wood

Construction Estimate: \$5,000 A/E Fee: \$0

Replace 200 Square Feet of concrete sidewalk

Construction Estimate: \$3,000 A/E Fee: \$0



ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

271 Fairfield Avenue
Bridgeport, Connecticut 06604
t 203.378.3002

301 Merritt 7
Norwalk, Connecticut 06851
t 203.956.5460

www.antinozzi.com

CIP 2020-2024
Public Facilities

EMS Building

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 12/9/19

DEPARTMENT

Public Facilities - EMS Building

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

Site Construction reconfiguration and expansion - 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.

RTU Rooftop Unit Replacement -Replacement of 3 packaged 3-ton units. Current HVAC system is becoming aged and requires replacement to provide for continued safe, comfortable and efficient operations. Cost is based on Antinozzi Associates building inspection report.

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

RTU replacement at EMS Building- system needs to be upgraded in order to operate the system properly and more efficiently.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

Estimated 2022 - 2023

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

Possible UI Partnership for RTU Rooftop units

PROJECT DESCRIPTION	CALENDAR YEAR FUNDING					TOTAL	
	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024		
Site Design - Reconfiguration/Expansion	50,000					50,000	estimate only
Site Construction - Reconfiguration/Expansion		2,000,000				2,000,000	Pub Fac# 21
Mechanical - RTU Rooftop Unit Replacement			54,000			54,000	Pub Fac# 22
						-	
						-	

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

EMS

**Building Reconfiguration/
Expansion**



DECARLO
& DOLL, INC.

Pub. Fac. # 21

ARCHITECTS
ENGINEERS
SURVEYORS
PLANNERS
CONSTRUCTION
MANAGERS

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



DECARLO
& DOLL, INC.

Pub. Fac. # 21

<u>Emergency Medical Services</u>	<u>Preliminary Project Cost Budget Estimate</u>
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

DECARLO
& DOLL, INC.

Trumbull Emergency Medical Service

Request for Projects

Project Requested: Renovation/Expansion of EMS Building

This project is currently on the Five-Year Plan for 2019. Preliminary drawings have been done and Engineering has done site work.

Bay Space

EMS seeks to find a way to increase building size to allow for eight vehicles to be parked inside the building. The building has three standard ten foot bays and an oversized bay that 1.5 vehicles can park in at one time. During the cold months, one paramedic fly car is parked in the back bay next to an ambulance. Getting the vehicle in this location is not only difficult but it provides limited space to get in and around the vehicles in the garage. The second fly car is parked outside at the back of the building with a boat heater and shore line. Currently, there are seven emergency response vehicles. This would require seven bays. In addition to the vehicles, the all-terrain John Deere Gator needs to be secured inside. The eighth bay would be used to house the gator on a trailer so it can be quickly deployed, if needed, to respond to the trail system in town.

Interior Needs

Larger crew quarters are needed as there are 3-4 crews on shift on a regular basis (6-8 staff minimum not including volunteers). A larger kitchen facility would be advantageous, especially for emergency preparedness and in being able to be prepare meals. Currently there is only a four foot galley area that does not even have sufficient space to prepare a sandwich or a meal. Crews work 12-24 hour shifts so it is common to eat two to three meals while on shift.

A private meeting/conference room would also be highly beneficial to the department. This room could potentially act as a report writing room for EMS providers to complete their patient care reports after each call (this would be better served as a separate room but if space is limited, perhaps can be used as a dual purpose). A large community room capable of seating approximately 30 people behind desks is needed. We teach many classes each month in CPR, First Aid, EMT, EMR and continuing education classes in this room.

The potential for using the EMS building as the main EOC has been discussed with Emergency Management and IT. This building has a generator and would have the capacity for multiple disciplines to be in the same area without over crowding. With potential multiple meeting areas, the EOC would have minimal interference with daily EMS operations. An enlarged kitchen area would allow for the serving of meals to all participants and emergency service staff on duty at that time. The Police Department Building would then become the secondary EOC.

Currently there is one office (it was subdivided into two rooms). The EMS department would like to see three/four offices be constructed, if possible: one office for the Executive Assistant, one for the Chief and two for the on duty supervisors/crew.

Bunk rooms currently sleep three men and three women. Exploring a locker room for crew members to get changed, lock up belongings, shower, if necessary, after calls where they may be exposed to blood, diseases, etc. is a high priority. Currently, the building staff leaves their belongings on a table in the community room.

Other Space

The department requires a lot of storage for medical supplies and emergency preparedness supplies. A storage room for medical supplies would be necessary. A loft, perhaps in the bay area, could be used for over-flow supplies, spare tires, fleet supplies, linens and/or emergency preparedness supplies. A space with a decontamination shower, washer and dryer would be requested in the bays so crew members and/or equipment can be decontaminated, if necessary, prior to walking into the office section of the building. EMS launders many of their linens as well as equipment. This room can also be properly equipped to secure biohazard waste material when necessary.

Exterior Space

A parking lot for 12 cars during business hours is needed.

The department is open to all and any possibilities, including finding a location in close proximity to our current location in order to keep response times down, as we are now centrally located in town. When the current structure was built, the service responded to a small fraction of the calls dispatched today. Our call volume is expected to increase as our town expands and ages. We currently respond to over 4,300 calls each year. The director has been told when the current building was built EMS was responding to about 500 emergencies annually.

The biggest challenges to date are having

1. enough space to park emergency vehicles inside a building
2. space for crews to write reports and complete their documentation after each call
3. a private place to hold small meetings (supervisor meeting, staff reviews, call reviews)
4. increased storage space as the building is currently at maximum capacity
5. sufficient parking as staff have a difficult time finding a place to park during school hours. The parking lot is shared with the pre-school next door.
6. public and private areas of the building separate.

Renovation of the building would also solve the roof leaks into the building when it rains due to all the roof runoff directed to the back of the building into household gutters. This results in water completely covering the floor in the medical supply storage rooms and could compromise our radio transmitter located in that area. It also courses down the outside of the back of the building which has compromised the integrity of the concrete wall.

EMS RTU Rooftop Unit

Pub Fac # 22

CSI / Spec #	CSI Format Names	Report Item Names	Previous Report # / New Item	Complete	Quantity	Totals By Division	Suggested 5 Year Capital Improvement Plan					Comments / Notes
							2010 - 11	2011-12	2012-13	2013-14	2014-15	
0 15408	Domestic Water Supply	Water Distribution System	7.01	No	1			\$2,500				Back Flow preventer not installed
0 15412	Plumbing Fixtures	Plumbing Fixtures	7.03	No	1			\$1,500				Drinking fountain is aged and needs replacing
0 0 0			0 0									
0 15405	Domestic Water Heaters	Water Heaters	7.04	Yes	1							
0 15512	Boilers	Boiler / Furnace	8.01	No	1				\$10,000			Boiler was not replaced. Replace Boiler (However as an option for boiler replacement, Owner may want to discontinue boiler and current cooling only RTU use, and install a gas fired packaged RTU that can ventilate during the heating cycle)
0 15181	Hydronic Piping	Heating Systems Piping	8.02	No	50 LF						\$9,500	1) Replace hot water baseboard in classroom 2) Insulate hydronic piping in Boiler Room
0 0 0			0 0									
0 15200	Ductwork and Air Outlets	Ductwork	8.04	No				\$4,000				Clean all exhaust ductwork / Clean Chimney of Soot / Clean dryer vent
0 0	(Included Above)	Ductwork Insulation	8.04									
0 15768	Unit Ventilators	Unit Ventilators	8.05									
0 15766	Cabinet Unit Heaters	Terminal Units	8.07									
0 0	Fin Tube Heating		0 New Item									
0 15900	HVAC Instrumentation & Control	Control Systems	8.09	No				\$1,200				Install boiler controls to save operation cost and maximize efficiency
0 0 0			0 0									
0 15407	Heating Fuel Systems	Heating Fuel Systems	8.10									
0 0 0			0 0									
0 15738	Split System Air Conditioning Units	Air Conditioning Systems	8.11	No	3							Replace three existing packaged 3-ton units (assumed close to the end of it's useful life)
0 15421	Testing Adjusting & Balancing	Ventilation Systems	8.03									
0 15500	Air Handling and Treatment	Air Handling Systems	8.06									
0 0	(Included Above)	Humidity	11.06									
0 0	(Included Above)	Ventilation	11.07									
0 0	(Included Above)	Ventilation Systems	8.03	No								A building ventilation system during the winter is non-existent. Proper ventilation is needed including in Garages. See "Boiler" line item for ventilation remedy
0 0	(Included Above)	Exhaust Systems	8.08	No	1			\$12,000				Replace rooftop exhaust units (includes providing proper toilet room & Kitchen exhaust)



CIP 2020-2024
Public Facilities
Transfer Station

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 12/9/19

DEPARTMENT

Public Facilities - Transfer Station

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

Concrete Slab repair - 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 - 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.

Roof replacement - the building's roof shows signs of damage due to old age and weather. Replacement is needed in order to prevent any possible damage to property.

New pre-fabricated salt shed - currently this facility does not have a salt shed to store material used to treat driveways/roads/parking at the transfer station after snow storms in order maintain a safe environment for residents and employees. The new salt shed will maximize the life of salt stockpiles by offering a durable, environmentally conscious, cost effective storage solution.

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

Transfer Station road widening will increase driver safety by giving drivers more room to get around.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

Estimated 2020 - 2023

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

Costs will be split -- Trumbull approx. 60% and 40% TEAM

PROJECT DESCRIPTION	CALENDAR YEAR FUNDING					TOTAL	
	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024		
Concrete slab repair	45,000					45,000	Pub Fac# 26
Transfer Station generator	155,500					155,500	Pub Fac# 27
Roof replacement		140,000				140,000	Pub Fac# 28
Pre-fabricated salt shed	30,000					30,000	Pub Fac# 29
						-	

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

Transfer Station Concrete Slab

December 1, 2017

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

Pub Fac # 26
Transfer Station

Re: Construction Budgets & A/E Budgets
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

897K

Transfer Station – Concrete Slab Repairs

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

32K

Total = \$ 31,400

Transfer Station – New Generator

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

140K

DPW Building #6 – Siding Replacement

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

181K

DPW Building #6 – New Exit Stair

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

79K

DPW Garage – Shingle Roof Replacement

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

159K

Senior Center – Elevator Modernization

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

234K



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 203.956.5468

www.antinozzi.com

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

Sincerely,
ANTINOZZI ASSOCIATES, P.C.

Paul A. Lisi, AIA
Principal / Project Manager

**Transfer Station
Generator, Roof and Salt
Shed**

December 6, 2019

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

Re: Construction Budgets and A/E Fees for
Town of Trumbull 2020 Capital Improvement Projects

Dear Mr. White:

Per your request, we are presenting this proposal for architectural / engineering fees as well as construction budgets for the following projects:

Helen Plumb Building:

Window Replacements

Construction Estimate: \$75,000 A/E Fee: \$14,000

Roof Replacement

Construction Estimate: \$45,000 A/E Fee: \$12,000

Front Door Replacement

Construction Estimate: \$5,000 A/E Fee: \$0

Transfer Station Building

New Emergency Generator

Construction Estimate: \$140,000 A/E Fee: \$14,000

27 = \$154,000

Concrete Floor Slab Repairs

Construction Estimate: \$26,000 A/E Fee: \$10,000

Roof Replacement

Construction Estimate: \$120,000 A/E Fee: \$18,000

28 = \$138,000

New Pre-Fabricated Salt Shed

Construction Estimate: \$30,000 A/E Fee: \$0

29 = \$30,000

Town Hall Building

Upgrade finishes and fixtures in (2) toilet rooms

Construction Estimate: \$80,000 A/E Fee: \$15,000

Handicap accessible improvements to (2) toilet rooms

Construction Estimate: \$140,000 A/E Fee: \$24,000

Council Chambers – Paint walls & Refinish wood

Construction Estimate: \$5,000 A/E Fee: \$0

Replace 200 Square Feet of concrete sidewalk

Construction Estimate: \$3,000 A/E Fee: \$0



ANTINOZZI ASSOCIATES
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301 Merritt 7
Norwalk, Connecticut 06851

t 203.956.5460

www.antinozzi.com

Mr. Allen E. White
December 6, 2019
Page 2 of 2

Senior Center Building

Replace Windows at Social Services Dept.

Construction Estimate: \$45,000 A/E Fee: \$10,000

Renovations to 2nd floor kitchen

Construction Estimate: \$220,000 A/E Fee: \$28,000

Elevator Modernization – (1) elevator

Construction Estimate: \$180,000 A/E Fee: \$20,000

Public Works Buildings

Maintenance Garage – exterior painting

Construction Estimate: \$25,000 A/E Fee: \$0

Plow Trucks Garage – exterior painting

Construction Estimate: \$25,000 A/E Fee: \$0

Thank you for the opportunity to provide you with these construction budgets and fees. 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

**CIP 2020-2024
Public Facilities**

Townwide

Project :

Various Sidewalk Restoration
Parking Lots and Driveway

Date: 9/19/2019
 Estimate By: WCM
 Checked By: _____

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Excavation /	SY	500	\$5.00	\$2,500
	Subgrade	SY	500	\$2.00	\$1,000
	Concrete sidewalk	SF	5,000	\$12.00	\$60,000
	Topsoil	SY	500	\$2.00	\$1,000
	Turf Establishment	SY	500	\$10.00	\$5,000
				UNIT PRICE SUBTOTAL =	\$69,500

ALLOWANCES

Drainage	ALLOWANCE			\$	-
	ALLOWANCE			\$	-
				ALLOWANCE SUBTOTAL =	\$ -

UNIT PRICE + ALLOWANCE = \$ 69,500.00

LUMP SUM ITEMS

				LUMP SUM SUBTOTAL =	\$ -

SUBTOTAL -UNIT PRICE +ALLOWANCES+ LUMP SUM = \$ 69,500.00

CONTINGENCY AND INCIDENTALS

Contingency & Incidents (15% x (Unit Price + Allowances + Lump Sum))	\$	10,425.00
TOTAL =		\$ 79,925.00

ADD 5% ESCALATION PER YEAR - IF NOT COMPLETED IN 2020 = \$ 3,996.00

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 12/9/19

DEPARTMENT

Public Facilities - Townwide

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

Townwide sidewalk surface conditions degrade over time to a point where tripping hazards exist or worsening running or cross slope 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.

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

Sidewalks townwide

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

Estimated 2020-2021

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

PROJECT DESCRIPTION	CALENDAR YEAR FUNDING					TOTAL
	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024	
Townwide sidewalk repairs	80,000					80,000
						-
						-
						-

Pub Fac# 30

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

CIP 2020 - 2024

Parks

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Park Improvements - Athletic Fields

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

IL Field lighting renovation - this upgrage is needed in order to meet current electrical codes and outdoor lighting standards and to continue providing safe, comfortable and efficient operation. These funds will be used to to repair and/or replace existing (aged) electrical service and lighting components located at Indian Ledge fields.

New Artificial fields - ballfields should be regularly renovated to provide for their continued safe and comfortable usage. Cost estimate based on historical cost for new THS Soccer Field in 2017.

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

Various athletic fields in town.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

2020-2024

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	
THS - Baseball Field ADA Accessibility	50,000					50,000
IL - New Construction of Artificial Field and lighting		1,500,000				1,500,000
Artificial Athletic Turf			1,200,000			1,200,000
						-

follow up with DP

Parks#1

Parks#1

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

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Park Improvements - Irrigation

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

Indian Ledge and Twin Brooks irrigation - The existing turf irrigation systems at Twin Brooks and Indian Ledge (softball field) are aged. This project will consist of updating, replacing and refurbishing the irrigation system for better, more efficient operations. Estimates provided by Parks Department based on recent replacement at Unity Park.

Mary Bill's Field new irrigation system - The property is configured as a full size soccer pitch and would be invaluable in our goal to rotate fields for Recreational Youth Athletics. Recreational youth athletics is always in need of useable field space and as such the installation of an irrigation system at this location we would be able to fully transform the site to a fully functional field. Estimates provided by Parks Department based on recent replacement at Unity Park.

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

Indian Ledge, Twin Brooks irrigation systems are aged. Replacement will provide better, more efficient operations.

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	
Twin Brooks - Irrigation (replacement)		25,000				25,000
New irrigation system at Mary Bill's Field			25,000			25,000
Indian Ledge - Softball Field Irrigation				25,000		25,000
						-
						-
						-
						-
						-
						-

Parks# 2

Parks# 2

Parks# 2

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

Estimates provided by Parks Department based on recent replacement at Unity Park.

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Park Improvements - Parks

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

See justifications below.

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

Various parks, Twin Brooks, Indian Ledge and Bills Property.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

2018-2022

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		
Various Locations - Rest Room Upgrades - Roof, Lighting & Plumbing (7)	56,000	56,000				112,000	no estimate
Wooden guardrail and installation at various parks	50,000	50,000				100,000	Parks #3
Bills Property Design		50,000				50,000	
Bills Property Development		200,000				200,000	
Indian Ledge - Sprinkler park replacement		200,000				200,000	
Twin Brooks - Dredging design	45,700					45,700	Parks #12
Twin Brooks - Dredging		500,000				500,000	
Beaches Pool - Sprinkler park replacement				300,000		300,000	
Kaatz Pond Dredging	286,000					286,000	Parks #4
Abraham Nichols Barn - Roofing, windows, doors, exterior paint	60,000						no estimate
Veteran's Center design	200,000						no estimate
Veteran's Center construction		2,000,000					no estimate
						-	

JUSTIFY NEED FOR CAPITAL OUTLAY (Attach relevant documentation for your request. Insufficiently documented)

Various Locations - Rest room upgrades - repairs part of multi year program to improve facilities including installation of energy efficient fixtures. Costs based on past experience.

Guardrail Installaton at various parks - The Towns Parks system has various locations that have existing guard rails or other vehicle deterrents such as pipes and chains that are well past there useful life and need to be replaced. Pricing is based on \$30 per linear foot from M&M Fence Company for 8"x8" Wooden Post Guard Rail installed.

Bills Property Design & Development- We are seeking design work to establish the creation of a new driveway that would enable two way traffic through the Huntington Road entrance to the Main Files as well as Parking above the main Field and secondary egress through Round Hill Road.

IL and Beaches Pool sprinkler park replacements - Both Beach Memorial and Indian Ledge Sprinkler have a number of broken lines within their concrete pads.

In order to make those repairs the entire area must be disassembled. Based on its age of the equipment, it would be cost effective to re-use any of the original components.

Indian Ledge is well over Twenty-five Years old and Beach Memorial is over Fifteen years old.

Twin Brooks Dredging - Removal of sediment and sand build up within Pond #2 to maintain depth for intermittent storm water and containment.

Kaatz Pond dredging - Kaatz Pond Park is the site of the Old Ice House in Town. 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. Cost based on past project for Gunther Park

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Park Improvements - Paving

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

Indian Ledge parking area on the northern parking lot requires re-paving and has been settled over the years. Paving and drainage has exceeded its useful life. This project will have 4 phases.

Unity Park - Drainage improvements are needed to maintain the ponds, improve water quality and to safe guard the existing roadway.

Twin Brooks Drainage and Paving - Twin Brooks Parks is by definition a flood plain with seven interconnected reservoirs, fed by both the Pequannock, the Saw Mill River and various underground springs. As such, the entire Parks is subject to significant damage during weather events. The purpose of this work is to restore all existing culverts, and spillways to full functionality as well as the relocation of the main roadway in order to prevent scouring and damage as well as minimizing environmental concerns to the waterways. This is a ongoing multiyear phased project that is through the design portion and now going for permit approval. This project will culminate with the repaving of the entire Twin Brooks Drive corridor from Brock Street to Franklin.

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

The project will improve the pavement surface on a portion of the overall parking lot.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

2020-2024

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		
Paving & Drainage Phase 1	1,600,000					1,600,000	Parks #5
Paving & Drainage Phase 2		525,000				525,000	Parks #5
Paving & Drainage Phase 3			450,000			450,000	Parks #5
Paving & Drainage Phase 4				515,000		515,000	no support
Unity Park - Drainage / Paving	840,000					840,000	Parks #6
Twin Brooks - Drainage / Paving	500,000	500,000	877,000			1,877,000	Parks #7
Old Mine/Counseling Center	1,180,560					1,180,560	Parks #10
Abraham Nichols Park		405,000				405,000	Parks #11
						-	

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

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Park Improvements - Pools

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

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. Please refer to narraritive for costs breakdown.

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

Tashua Pool

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	
Tashua Pool - Complete pool upgrades and renovation	1,000,000					1,000,000
						-
						-
						-
						-
						-
						-

Parks# 8

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

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Park Improvements - Tennis

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

Courts are reaching poor condition and will require replacement to assure safe playing conditions.

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

Tennis courts at Tashua, Island Brook, Unity and Nothnagle parks.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

2020 - 2024

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	
Tashua - Tennis Court Replacement (courts 1- 4)	375,000					375,000
Tashua - Tennis Court Replacement (courts 5- 8)		375,000				375,000
Tashua - Tennis Court Lighting (courts 5- 8)		200,000				200,000
Island Brook - Tennis Court Replacement		300,000				300,000
Nothnagle - Tennis Court Replacement				210,000		210,000
Unity - Tennis Court Replacement				405,000		405,000
						-
						-
						-
						-

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

Courts are reaching poor condition and will require replacement to assure safe playing conditions. Estimated based on recently completed court replacement at Trumbull High School

Parks

Athletic Fields

Parks # 1

AIA® Document G701

Change Order

Eng. Design Services = \$50,000
Field = \$1,200,000
Lights = \$300,000
TOTAL = \$1,500,000

PROJECT (Name and address): Trumbull Town Hall 5866 Main Street Trumbull, CT 06611-3113	CHANGE ORDER NUMBER: 03 DATE: 9/28/2017	OWNER <input checked="" type="checkbox"/> ARCHITECT <input type="checkbox"/> CONTRACTOR <input type="checkbox"/> FIELD <input type="checkbox"/> OTHER <input type="checkbox"/>
TO CONTRACTOR (Name and address): FieldTurf USA, Inc. 7445 Cote-de-Liesse Road, Suite 200 Montreal, QC H4T 1G2	CONTRACT DATE: 6/13/2017 CONTRACT FOR: PO#20171114-00FY2017 Trumbull High School Varsity Soccer Field	

THE CONTRACT IS CHANGED AS FOLLOWS:

(Include, where applicable, any undisputed amount attributable to previously executed Construction Change Directives)

Supply and install seating area concrete

- Tiered wall with steps
- 1.5" of Asphalt Class 1 Binder
- 1.5" of Asphalt Class 2 Top

FieldTurf USA, Inc. OHP

The original (Purchase Order Sum) was	\$	1,001,269.14
Net change by previously authorized Change orders	\$	80,970.47
The (Purchase Order Sum) prior to this Change order was	\$	1,082,239.61
The (Purchase Order Sum) will be <u>(increased)</u> (decreased)		
(unchanged) by this Change Order in the amount of	\$	56,800.00
The new (Purchase Order Sum) including this Change order will be	Field \$	1,139,039.61
The Contract Time will be (increased) decreased (unchanged) by		(0) days.
The date of Substantial Completion as of the date of this Change Order therefore is		N/A

NOTE: This summary does not include changes in the Contract Sum, Contract Time or Guaranteed Maximum Prices that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR, AND OWNER

Milane A. MacBroom, Inc
ARCHITECT (Firm name)

99 Realty Dr., Cheshire, CT 06410
Address

Daniel Krueber
BY (Signature)

Daniel Krueber
(Typed name)

11/26/17
DATE

FieldTurf USA, Inc.
CONTRACTOR (Firm name)

7445 Cote-de-Liesse Road, Suite 200
Montreal, Quebec H4T 1G2
Address

Pedro Azevedo
BY (Signature)

PEDRO AZEVEDO
(Typed name) CFO P-TRANSURB

9/28/2017
DATE

Trumbull Town Hall
OWNER (Firm name)

5892 Main Street
Trumbull, CT 06611
Address

Michael A. Moccia
BY (Signature)

Michael A. Moccia
(Typed name)

11-21-2017
DATE

Budget Estimate

Indian Ledge Park Softball
Trumbull, CT
July 9, 2019
Dmitri Paris

parks # 1 - lights

Budget Estimate – Materials and Installation

Musco's Light-Structure System™ as described below and delivered to the job site:

Softball Field with overlay – 30/30 footcandles (LED Light Source):

\$300,000 plus/minus 10%

Equipment Description

Light-Structure System™ in 5 Easy Pieces™

- Pre-Cast concrete bases
- Galvanized steel poles
- Remote electrical component enclosures
- Pole length wire harnesses
- Factory-aimed and assembled luminaries

Benefits of Musco's Light-Structure System™

- Reduction of energy and maintenance costs by 50% to 85% over typical 1500w HID equipment
- Reduction of spill light and glare by 50% or more
- Guaranteed light levels
- An unmatched warranty of 25 years that includes onsite maintenance
- Includes our Control-Link® System for remote on/off control and performance monitoring with 24/7 customer support

Notes

- Requires confirmation of field dimensions, pole locations and a Musco lighting design prior to providing quote(s)
- Based upon projects similar in scope and is intended for preliminary planning purposes only
- Pricing is based on July 2019 pricing and is subject to change
- Getting electrical power to the site, coordination with the utility, and any power company fees are the responsibility of the owner
- Assumes standard soil conditions – rock, bottomless, wet or unsuitable soil may require additional engineering, special installation methods and additional cost
- Assumes building code and wind speed – 2015 IBC and 130 mph wind speed

Thank you for considering Musco for this sports lighting project. Please feel free to contact us with any questions you may have.

Mike Mahoney
Sales Representative
Musco Sports Lighting, LLC
Phone: 614-352-7438
Email: Mike.Mahoney@Musco.com

James Hayward
Project Planning Specialist
Musco Sports Lighting, LLC
Phone: 800-825-6030
Email: James.Hayward@Musco.com



Engineering, Planning,
Landscape Architecture
and Environmental Science



May 16, 2017

Mr. Stuart S. McCarthy
Director of Parks and Recreation
Town of Trumbull
5892 Main Street
Trumbull, CT 06611

**RE: Engineering and Design Services
Athletic Field Improvements at Trumbull High School
Trumbull, Connecticut
MMI #3247-17-0**

Dear Stuart:

Pursuant to your request, Milone & MacBroom, Inc. (MMI) is pleased to provide our scope of services and fee for the design, permitting, and construction administration for the proposed synthetic turf at Trumbull High School. MMI understands that Trumbull has negotiated the terms of a contract through CREC Cooperative Purchasing for the installation of two fields in town with FieldTurf-Tarkett (FieldTurf).

We understand the first field is a replacement of an existing turf field. This proposal does not cover any services associated with this field. The second field is located at Trumbull High School to the south of the tennis courts and to the east of the baseball field. The existing field is a natural grass field that will be replaced with a synthetic turf surface. FieldTurf has indicated that they have outlined a detailed proposal for you including the type of turf, infill and other project assumptions used to develop a contract price for the project. MMI will undertake the necessary surveying and professional design services required to allow FieldTurf to construct the field using the selected products.

More specifically, MMI will provide the following services to Trumbull:

SCOPE OF SERVICES

1.0 Survey and Site Investigation

- 1.1 Undertake a T-2 topographic field survey of the subject area including existing spot grades at key locations throughout the field of play, location of visible utilities (drainage structures with pipe inverts and sizes), and incorporation of all as-built information provided by the school for buried utilities if available.
- 1.2 A MMI certified soil scientist will field verify and flag the location of inland wetlands on the high school property in proximity to the subject site. This task will include the preparation of an inland wetlands delineation report that will be used if an Inland Wetlands Permit is required for the project.

Milone & MacBroom, Inc., 99 Realty Drive, Cheshire, Connecticut 06410 (203) 271-1773 Fax (203) 272-9733
www.miloneandmacbroom.com

Connecticut • Maine • Massachusetts • New York • South Carolina • Vermont

Mr. Stuart McCarthy
May 16, 2017
Page 2

- 1.3 Witness a half day of test pits within the existing field to understand the subsurface soil conditions. It is anticipated that the town will provide the excavator and operator.

2.0 Preliminary Design

- 2.1 Attend a project initiation meeting with the appropriate members of the Town of Trumbull (Team). We will discuss and confirm goals, expectations, and project schedule.
- 2.2 Prepare a concept layout plan illustrating the achievable dimensions of the field in relation to the desired sports to be played and site constraints.
- 2.3 Arrange to meet informally with the appropriate town land use staff to review the proposed conceptual site plan in order to seek comments in regards to the regulatory permitting of the project.
- 2.4 Prepare a preliminary design drawings to a level satisfactory with regulatory level design plans, to include the following:
 - 2.4.1 Existing Conditions Plan
 - 2.4.2 Site Layout Plan
 - 2.4.3 Site Grading and Utilities Plan
 - 2.4.4 Sediment and Erosion Control Plan
 - 2.4.5 General Site Details
- 2.5 Meet with the Team to review the plans prior to submitting the plans to the local regulatory commissions.

3.0 Regulatory Permitting

- 3.1 Assist in the preparation of the required land use permit applications. For the purposes of this proposal it is assumed that an inland wetlands and site plan permit will be required for the project.
- 3.2 Assist in the presentation of the plans before the local land use commissions. Rendered site plans suitable for public presentation will be prepared for this purpose. We have budgeted for a total of four such meetings with the Inland Wetlands and Planning and Zoning Commissions.
- 3.3 Make modest revisions to the plans as requested or directed by the commissions.
- 3.4 Submit final plans for filing with the town as appropriate.

4.0 Final Design and Construction Documents

- 4.1 Prepare final design plans incorporating comments from town staff and the Team. Final drawings will be prepared at 1"=30' scale and will include the following:**
 - 4.1.1 Title Sheet**
 - 4.1.2 Existing Conditions Plan**
 - 4.1.3 Site Removals Plan**
 - 4.1.4 Site Layout Plan, including appropriate dimensions and coordinate geometry to assist in the stakeout of proposed improvements**
 - 4.1.5 Site Grading Plan, including spot elevations where needed**
 - 4.1.6 Site Utilities Plan, primarily focusing on drainage improvements**
 - 4.1.7 Erosion and Sedimentation Control Plan including a sequence of construction and a brief narrative in accordance with the 2002 Department of Energy & Environmental Protection guidelines**
 - 4.1.8 Site Details, including field cross sections**
- 4.2 Prepare technical specifications for the proposed improvements. The specifications will be based on Connecticut Department of Transportation Form 816 and modified for the elements of this project. It is assumed that FieldTurf will provide proprietary specifications for the synthetic turf system and underlayment pad beneath the field.**
- 4.3 At approximately the 80% completion stage of the final design, meet with the Team and other key stakeholders to review the final plans and specifications.**
- 4.4 Finalize the plans and specifications incorporating appropriate comments and modifications requested by you or other key stakeholders.**
- 4.5 Provide electronic copies of the final plans and specifications in a format suitable to you (e.g., PDF, AutoCAD, etc.).**

5.0 Construction-Phase Services

During the construction of the desired improvements, we will provide customary construction administration services and periodic observation of the work. We will assist the town with questions throughout construction and observe the work in progress to ensure the work of the site contractor is being completed in accordance with the design plans. The following tasks would be included in this phase of work:

- 5.1 Assist the town in administering the construction of the project as follows:**
 - 5.1.1 Attend a preconstruction meeting that will include the Team, FieldTurf and any of their significant subcontractors**
 - 5.1.2 Respond to contractor's responsible requests for information**

- 5.1.3 Review shop drawings, material submittals, etc.
- 5.1.4 Review FieldTurf's monthly requests for payment, change orders, etc. and make a recommendation to the town.

- 5.2 Make site visits to observe construction and attend job meetings on a weekly basis. For the purpose of this proposal, it is assumed that eight meetings will be required.

- 5.3 Make special site visits during critical operations including placement of the stone base and turf underlayment and the installation of the turf fabric and infill. Four visits are contemplated under this proposal.

- 5.4 When requested by the town, MMI will make a semifinal observation of the completed work and prepare a punch list of incomplete or unacceptable items of work.

- 5.5 Undertake a final observation of the completed improvements and make a recommendation to the town regarding the acceptance of the work.

PROJECT SCHEDULE

MMI is prepared to initiate the tasks described above upon a notice to proceed and will endeavor to complete the survey and preliminary design within 4 to 5 weeks. The regulatory permitting typically takes between 2 to 3 months. This permitting timeframe is somewhat out of our control, but we will attempt to move the project forward as quickly as possible.

PROFESSIONAL FEES

MMI will undertake the tasks described above for the following lump sum fees. Direct expenses will be performed on an hourly basis per the 2014 On-Call rate schedule (see attached).

1.0	Survey and Site Investigation.....	\$7,500
2.0	Preliminary Design	\$10,500
3.0	Regulatory Permitting.....	\$7,500
4.0	Final Design and Construction Documents.....	\$17,500
5.0	Construction-Phase Services	\$12,000
	Total.....	\$55,000

Direct Expenses..... (Budget) \$1,000

EXCLUSIONS/LIMITATIONS

The following services are specifically excluded from this scope of services:

- 1. A-2 boundary survey
- 2. Environmental assessments and biological studies and wetland delineation
- 3. Traffic impact studies

Mr. Stuart McCarthy
May 16, 2017
Page 5

4. Nonlocal permits
5. Design of special structures such as bleachers, retaining walls, and pumping facilities
6. Full-time or part-time inspection services
7. Electrical and/or mechanical engineering services
8. Application fees
9. Geotechnical studies
10. Material testing
11. Design and engineering of any of additional items beyond the scope of the basic work described herein

Should the above items or any additional services be required, they can be provided on an hourly basis or for an agreed-upon lump sum fee.

STANDARD TERMS AND CONDITIONS

This proposal is subject to our Standard Terms and Conditions, which are included herein for reference.

ACCEPTANCE

The original and one copy of this proposal are enclosed. If it satisfactorily sets forth your understanding of the arrangement between us, we would appreciate your signing one copy in the space provided and returning it to us for our files.

We look forward to a continued pleasant and rewarding association with you on this project.

Very truly yours,

MILONE & MACBROOM, INC.



Daniel J. Kroeber, P.E., Associate
Lead Project Engineer



Vincent C. McDermott, FSLA, AICP
Senior Vice President

Enclosures

3247-17-0-m1517-prop.doc

The above proposal and Standard Terms and Conditions are understood and accepted:

By: _____ Date: _____

(Print name and title)

Milone

Town of Trumbull RFP 0043
On-Call Architectural,
Engineering, Structural,
Environmental and Electrical Consulting Services
Page 15 of 18

EXHIBIT D

TOWN OF TRUMBULL
REQUEST FOR QUALIFICATIONS AND PROPOSAL FOR
ON-CALL ARCHITECTURAL SERVICES, ON-CALL ENGINEERING SERVICES,
ON-CALL STRUCTURAL SERVICES, ON CALL ENVIRONMENTAL SERVICES
And ELECTRICAL ENGINEERING SERVICES

RFP: # 0043 DUE: MARCH 11, 2014 at 3:00PM

PROPOSED FEE SCHEDULE
ENVIRONMENTAL SERVICES

Only complete rates that apply

<u>SURVEY</u>	<u>POSITIONS</u>	<u>HOURLY RATE</u>
	PROJECT MANAGER	\$140.00
	LICENSED LAND SURVEYOR	\$140.00
	TWO-MAN SURVEY CREW	\$140.00
	THREE-MAN SURVEY CREW	\$210.00

<u>DESIGN</u>	<u>POSITION</u>	<u>HOURLY RATE</u>
	PRINCIPAL ARCHITECT	
	PRINCIPAL PROJECT MANAGER	\$165.00
	PROJECT MANAGER	\$140.00
	PROJECT ARCHITECT	
	PROJECT ENGINEERS	\$125.00
	ASSISTANT ARCHITECTS	
	ASSISTANT ENGINEERS	\$110.00
	TECHNICIAN	\$ 90.00
	DRAFTSPERSON	\$ 85.00
	CLERICAL	\$ 55.00

<u>CONSTRUCTION</u>	<u>POSITION</u>	<u>HOURLY RATE</u>
<u>ADMINISTRATION</u>	CONSTRUCTION MANAGER	\$165.00
	ASSISTANT MANAGER	\$140.00
	CHIEF INSPECTOR	\$125.00
	INSPECTOR	\$110.00
	DRAFTSPERSON	\$ 85.00
	CLERICAL	\$ 55.00

<u>CADD SERVICES*</u>	<u>POSITION</u>	<u>HOURLY RATE</u>
	CADD ENGINEERS	\$110.00
	CADD OPERATOR/TECHNICIAN	\$ 85.00
	CADD MANAGER	\$ 90.00

*CADD services such as plotting, file storage, disk exchange, system interfacing will be handled as direct reimbursable costs. State "Not Applicable" (NA) where services are not needed.

List additional categories the proposer feels necessary for the Town to completely judge the proposed. (Use additional sheets as necessary)

Milone



**TOWN OF TRUMBULL
REQUEST FOR QUALIFICATIONS AND PROPOSAL FOR
ON-CALL ARCHITECTURAL SERVICES, ON-CALL ENGINEERING SERVICES,
ON-CALL STRUCTURAL SERVICES, ON CALL ENVIRONMENTAL SERVICES
And ELECTRICAL ENGINEERING SERVICES**

RFP: # 00438838 DUE: ~~MARCH 14, 2014~~ MARCH 11, 2014 at 3:00PM

ADDENDUM #1

This addendum is issued to request that the following rate pricing be included in all responses:

PROPOSED FEE SCHEDULE

Engineering, Structural, Environmental
(Type of service - Architectural, Engineering, Structural, Environmental or Electrical)

POSITION	HOURLY RATE
INSPECTION	<u>\$110.00</u>
PROJECT MANAGEMENT	<u>\$150.00</u>

(Include this page with response)

All other requirements previously requested remain unchanged

END OF ADDENDUM 1

STANDARD TERMS AND CONDITIONS

Unless specifically excluded in the Contract, these Terms and Conditions are incorporated by reference into the foregoing proposal or contract and shall be part of the Agreement under which Services are to be performed by Milone & MacBroom, Inc. (MMI) for the Client.

- 1. Method of Payment:** Monthly, MMI will invoice Client for all Services rendered during the previous month. Invoices will be due upon receipt. Any unpaid invoices and charges will draw late payment fees at 1½% per month commencing 30 days after date of invoice. Client shall notify MMI in writing of any disputed amount within 10 days after date of invoice; otherwise, Client shall be deemed to have waived any objection to all invoice charges and agreed to the invoice being acceptable. Payment thereafter shall first be applied to accrued interest and then to the principal unpaid amount. Lump Sum Fee Price and Fixed Price contracts will be invoiced on a percent-complete basis as determined by MMI. Unless otherwise agreed, out-of-pocket costs for mileage, special mailing, reprographics, and similar costs will be invoiced as additional direct expenses. Subconsultant fees will be invoiced at cost plus a 10 percent markup for processing. In the event that MMI retains a collection agency or attorneys to recover any monies owed by Client to MMI, then MMI shall also be entitled to recover its reasonable cost of collection and legal costs from Client, including, but not limited to, all fees and costs incurred by MMI under mediation and litigation proceedings. MMI may suspend or terminate any and all of the Services if payment of any invoiced amount not reasonably in dispute is not received by MMI within 60 days from the date of MMI's invoice. Such suspension of services is done without waiving any other claim against Client and without incurring any liability to Client for such suspension due to Client's breach of payment terms. Termination shall not relieve Client of its obligation to pay amounts incurred up to termination.

The Client's obligation to pay for the Services performed under this Agreement is in no way contingent upon Client's ability to obtain financing, zoning, approval of governmental or regulatory agencies, favorable judgment of lawsuit, or upon Client's successful completion of project. Should Services be suspended for a period of ninety (90) days, MMI shall be entitled to additional compensation to reinstate work. Lump sum fees, if applicable, quoted in this Contract shall remain valid for a period of twelve (12) months from the date of Contract. Thereafter, they may be adjusted in accordance with MMI's current rate structure. Hourly personnel rates may be adjusted on an annual basis.

- 2. Level of Services:** The Level of Service will be performed for the exclusive benefit of Client. MMI will perform the Services using that degree of skill and care ordinarily exercised under similar conditions by reputable members of MMI's profession practicing in the same or similar locality at the time of performance. No other warranty, express or implied, is made or intended, and the same are specifically disclaimed.

Client shall not be entitled to assert a claim against MMI based on any theory of professional negligence or violation of the standard of care unless and until Client has obtained the written opinion from a licensed, independent, and reputable engineering and/or environmental professional, as appropriate for the Services in question, that MMI has violated the standard of care applicable to MMI's performance of those Services under this Contract. Client shall promptly provide such independent opinion to MMI, and the parties shall endeavor in good faith to resolve the claim within 30 days.

- 3. Deliverables:** All hard paper copies of deliverables, including, and limited to, any and all reports, drawings, plans, and specifications prepared by MMI hereunder shall be delivered to Client upon final payment for MMI's Services. Deliverables may not be used or reused by Client, its employees, agents, or subcontractors in any extension of the project or on any other project or any other use without the prior written consent of MMI. Client agrees that all deliverables furnished to the Client not paid for in full will be returned to MMI upon demand and will not be used for design, construction, permits, or licensing. All originals of such deliverables shall remain in possession of and the property of MMI. Copies of any electronic media or disks of originals of any of MMI's deliverables, such as designs, specifications, calculations, CAD documents, etc., shall not be made available unless a specific agreement is made to the contrary as part of the Scope of Services. All the drawings, plans, specifications, and deliverables prepared by MMI are instruments of MMI's service, and MMI shall be deemed the author of them and will retain all common law, statutory, and other reserved rights, including, but not limited to, the copyrights.

MMI shall have the right to include photographic or artistic representations of the Project among MMI's promotional and professional materials. MMI shall be given reasonable access to the Project to make such representations. Client shall advise MMI of confidential or proprietary information which should be excluded from promotional materials.

- 4. Limitation of MMI's Liability to Client:** In recognition of the relative risks and benefits of the Project to both the Client and MMI, the Client agrees that except for circumstances caused by the willful misconduct of MMI, all claims for damages asserted against MMI by Client, including claims against MMI's directors, officers, shareholders, employees, and agents, are limited to the total fee for services rendered or \$250,000.00, whichever is less. MMI is solely responsible for its personnel only, and no

others. MMI shall not be responsible for any special, incidental, indirect, or consequential damages (including loss of profits) incurred by Client as a result of MMI's performance or nonperformance of Services. MMI shall not be liable for extra work or other consequences due to changed conditions or for costs related to failure of the construction contractor or materialmen or service provider to install work in accordance with the plans, specifications, or applicable code, or for the actions or inactions of regulatory agencies. Any claim shall be deemed waived unless made by Client in writing and received by MMI within one (1) year after completion or termination of the Services.

5. **Client Indemnification:** Client shall indemnify and hold harmless MMI and its shareholders, directors, officers, employees, and agents against all losses or claims, and costs incidental thereto (including costs of defense, settlement, and reasonable attorney's fees) which any or all of them may incur, resulting from bodily injuries (or death) to any person, damage (including loss of use) to any property, or contamination of or adverse effects on the environment, arising out of or which are in any way connected with (i) the acts or omissions of Client, Client's employees, agents, and subcontractors, or (ii) Client's breach of Contract.
6. **Required Disclosures by Client:** Client shall provide MMI all information which is known or readily accessible to Client which may be reasonable and/or necessary for completion of the Services by MMI or protection or safety of MMI personnel.
7. **Force Majeure:** Neither party shall be responsible for damages or delays caused by Force Majeure or other events beyond the control of the other party and which could not reasonably have been anticipated or prevented. For purposes of this Contract, Force Majeure includes, but is not limited to, adverse weather conditions; floods; epidemics; war; riot; strikes; lockouts and other industrial disturbances; unknown site conditions; accidents; sabotage; fire; loss of or failure to obtain permits; unavailability of labor, materials, fuel, or services; court orders; acts of God; and acts, orders, laws, or regulations of the Government of the United States or the several states, or any foreign country, or any governmental agency. Should Force Majeure occur, the parties shall mutually agree on the terms and conditions upon which the Services may be continued.
8. **Termination:** This Contract may be terminated by either party upon thirty (30) days' written notice to the other party. Irrespective of which party terminates or the cause therefor, Client shall, within thirty (30) days of termination, compensate MMI for fees, charges for services, and costs incurred up to the time of termination, as well as those associated with termination activities. It is agreed, at any time after the total compensation payable to MMI under this Contract is met, that MMI shall have the right to suspend or terminate further performance or continuance of Services until Client and MMI have executed an extension to the contract or a new contract.
9. **Entire Contract:** This Contract constitutes the entire agreement, including herein-referenced proposal(s), attachments, and schedules, etc., between the parties and supersedes any and all prior written or oral agreements, negotiations, or understandings existing between the parties. This Contract may be amended only by written instrument signed by each party.
10. **Testimony:** Should MMI or any MMI employee be requested by any party or compelled by law to provide nonexpert testimony or other evidence with respect to the Services, and MMI is not a party to the dispute, MMI shall be compensated by Client for MMI's preparations, document retrieval, document reproduction, and testimony at MMI's current hourly rates. MMI shall provide expert witness testimony pertaining to any Services at premium rates of 1.5 times the then current hourly rates. Client agrees to reimburse MMI for reasonable travel, lodging, and meal expenses that are incurred in conjunction with providing either expert or nonexpert testimony or other evidence.
11. **Precedence and Survival:** This Contract shall take precedence over any inconsistent or contradictory provisions contained in any Client-issued purchase order, requisition, notice to proceed, or like document regarding the Services. All obligations arising prior to the termination of this Contract and all provisions of this Contract allocating responsibility or liability between Client and MMI shall survive the completion of Services hereunder and the termination of this Contract.
12. **Governing Law:** This Contract shall be governed by, construed, and interpreted in accordance with the laws of the State of Connecticut, excluding any choice of law rules which may direct the application of the laws of any other jurisdiction.
13. **Claims, Disputes/Mediation:** For any claim, dispute, or other matter in question between parties to this Contract arising out of or relating to this Contract or breach thereof, the parties shall first attempt to resolve such issue through discussions between MMI and Client. Any claim or dispute not resolved per the above discussions shall be subject to and decided by and through the process of nonbinding mediation. Such mediation process shall be done by and through an independent court-certified mediator. All mediation proceedings, hearings, and meetings shall be held in Cheshire, Connecticut. Any unsettled claims, disputes, or other matters in question between parties not settled and agreed to by this process of mediation shall be subject to and decided by and through litigation.



Town of Trumbull
High School Soccer
Re-lamp/Re-aim
Date: August 18, 2017
Attention: Stuart McCarthy
SVC-390052

Re-lamp Re-aim--Soccer

Musco proposes the following service:

- Re-lamp Soccer field (36 fixtures)
Re-aim to accommodate larger field
Troubleshoot any additional outages as needed, parts will be billed as used
Labor & lift.....\$2,100.00

Materials

- (36) 1500 watt Musco Z™ lamps.....\$2,700.00
New Aiming diagram for Soccer layout.....\$300.00
Recycle of old lamps.....Included
Freight.....Included

Cost of above scope of work and materials.....\$5,100.00 plus applicable sales tax

Adder for additional parts , if needed; Not to Exceed..... \$1,000.00 plus applicable sales tax

Notes

- Reasonable access to all poles with construction-sized lift if required
Ground protection (plywood) and assistance to move, if needed, provided by owner.
If additional time or materials are needed to complete the project, Musco will obtain Customer's consent before proceeding
Additional parts cost: Ballast \$205 ea; Capacitors: \$48 ea; Fuses: \$6.00 ea; Lamps \$70 ea.
Does not include replacement of pole wire harnesses if defective. Harness replacement requires return trip with additional labor and lift costs. Temporary repairs can be attempted during re-lamp work if time is available.

Environmental Compliance Notice

HID lamps contain mercury (Hg), a hazardous substance that is regulated by state and/or federal law, and must be managed according to disposal laws. HID lamps removed from service contain mercury and will have transport arranged for delivery to a recycling facility

Payment Terms

Payment terms net 30 days from completion of the scope of work. Late payment will be subject to service charges of 1 1/2% per month (18% APR). Any additional materials needed will be charged at an additional price. In addition, the customer shall pay and be responsible for when due all local applicable sales, use, franchise, gross receipts, or similar taxes relating to this Agreement. If any payment is not made when due, Customer will pay a delinquent charge of 1-1/2% for each month, or a portion of month, that is past due balance remains unpaid. Customer agrees to pay all cost (including reasonable attorney's fees and court costs) associated with collecting any delinquent amounts due. Freight Charges have been included in the above price. Sales tax is NOT included as part of this quote.

Licenses and Permits

MUSCO, a non union organization, requires the customer to arrange and secure all licenses, permits and/or applicable labor contracts with local authorities. MUSCO shall not be held responsible for local union labor and any permits, if required

Nonliability

Before Musco enters the Property to set up its equipment under this Agreement, Customer must notify Musco of any landscaping or surface areas that are to be avoided by Musco in setting up its equipment. Absent Musco's negligence or willful misconduct, Musco is not, at any time or to any extent, liable, responsible or in any way accountable for any loss, injury, death or damage to persons or property, from any cause that at any time may be suffered or sustained by Customer, or by any person on or about the Property arising out of the entry or activities on the Property by Musco, or any person or persons permitted on the Property by Musco.

Prices are good for acceptance and delivery for 90 days only, unless such time is extended in writing. If you have any questions regarding the quotation, please call me at 800-825-6020 .

Sincerely,

Bob Waters
Musco Sports Lighting, LLC
800-825-6020
888-397-8736 fax



100 1st Ave West • PO Box 808 • Oskaloosa, IA 52577
Phone: (800) 825-6020 • Fax: (888) 397-8736

August 18, 2017

Stuart McCarthy
City of Trumbull
Trumbull, CT 06611

RE: 1500 Z lamps

Dear Stuart,

For more than 25 years, Musco has specialized in sports-lighting. We design and engineer our products to operate as complete systems with major advantages in environmental light control, energy efficiency, durability, safety and cost-effectiveness. And, we take an active interest in how our products are performing in the field for our customers long after the sale.

Our patented Z-lamp works with our Musco light fixtures to provide up to 25% more light than straight arc tube lamps. It is very advantageous for customers to use the Musco lamp to continue to gain the benefits only our lamp provides.

Musco Lighting is the manufacturer of the 1500 Z-lamps. Musco is the sole source provider for these lamps, however, we will sell the lamps to distributors, as well as customers, at the same price. It is more cost effective to purchase directly from us to save price markups by distributors.

If you need additional information or have further questions regarding our products, please contact me at 800-825-6020.

Sincerely,
Bob Waters
Lighting Services Sales Representative
Musco Sports Lighting, LLC
800-825-6020

Trumbull High School Soccer
RFQ –Soccer field Re-lamp/Re-aim

Scope of Work

Provide turnkey services, equipment and materials for work detailed below:

- Re-lamp 36 Musco fixtures Field Fixtures
- Troubleshoot outages and make repairs (replace ballast, capacitors and fuses as needed.
- Provide labor and lift to complete scope of work
- Re-aim all fixtures as determined by light design provided by Musco Sports Lighting, LLC
- Recycle old lamps (hazardous waste disposal)

Bill of Materials:

- 36-LA-30Z-1-C4 1500 watt Musco Z-lamp LA-30Z-1

Musco Parts Available at 800-825-6020

Reference Project # 51031056

Provide single ballast and capacitor pricing in proposal.
Final billing can include total used at listed price.

***This proposal does not include any parts beyond lamps. Any outages due to ballast, capacitors or fuses will incur additional parts costs billed as needed. There is no additional labor costs associated with ballast, capacitors or fuse replacement if repairs are completed at the time of the re-lamp activity.**

Parks Irrigation Various Locations

**TOWN OF TOWN TRUMBULL
BID RESULTS**

Parks # 2

Results for Bid 6144 Town of Trumbull TRUMBULL PARKS & RECREATION REQUEST FOR PROPOSAL
REPLACEMENT OF AUTOMATED IRRIGATION SYSTEM AT UNITY PARK, WHITE PLAINS ROAD

DUE: September 24, 2015 at 2:00 PM

COMPANY	TOTAL PROPOSED
North East Irrigation	\$74,750.00
Greenacres Company of Bethel, LLC	\$46,800.00
Winterbury Irrigation ,LLC	\$46,523.00
Aqua-Turf Irrigation ,LLC	\$62,170.00

Price to install irrigation system for one 90' baseball field and two little league fields

[Handwritten signature]
9.29.15

Parks Guardrails

Wooden Guard Rails Cost Estimate:

Pricing is based on \$30 per linear foot from M&M Fence Company for 8"x8" Wooden Post Guard Rail installed.

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 # 12

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

- 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.

Parks # 12

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 (NDDB) 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

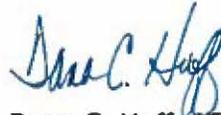
is increased for any reason, the limiting fee to complete the work shall be mutually revised by written amendment.

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



Town of Trumbull RFP # 6227, dated 4-4-2017 Engineering Services
 Project: Twin Brooks Pond Dredging

Date: 24-Sep-19

Mileage 0.54
 Markup 10%



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	\$160	\$140	\$100	\$75	\$100	\$80	\$145	\$130	\$145	\$100	\$100	\$80	\$100	\$80	\$135	
Design/Study																		
1. Meet with Town		3																
2. Calculate dredging quantity		1			4													
3. Wetland Scientist		1			16		2											
4. Dredging Plan		6		20			12											
5. Sampling Plan + Ex-Situ Sampling		8		16	40		4											
6. Sediment and Erosion Control Plans		4		8			4											
7. USACE Application		6		12	12		4											
8. CTDEEP Application		6		12	12		4											
9. Comment responses		8		8	8		4											
QA-QC	2																	
task																		
task																		
Subtotal Hrs.	2	43	0	76	92	0	34	0	0	0	0	0	0	0	0	0	0	
Subtotal Labor Fee	\$360	\$7,740	\$0	\$10,640	\$9,200	\$0	\$3,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

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	
Subtotal Labor Fee	\$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
									\$0							\$0	\$0
Subtotal Subs and Expenses	\$ -	\$ -	\$ -					0	\$0	\$0	\$0	\$0	\$0	\$13,000		\$ 14,300	

TOTAL ESTIMATED PROJECT COST \$45,640

Parks

Kaatz Pond

Parks# 4
Kaatz Pond

Luchs Consulting Engineers, LLC

**GUNTHER PARK POND
TRUMBULL, CT**

SEMI-FINAL DESIGN POND DREDGING COST ESTIMATE 03-07-18

ITEM No.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	AMOUNT
0202002A	Earth Excavation	C.Y.	0	\$20.00	\$0.00
0202102	Rock Excavation	C.Y.	0	\$100.00	\$0.00
0202261A	Pond Dredging	C.Y.	1,900	\$40.00	\$76,000.00
0203004	Structure Excavation	C.Y.	60	\$35.00	\$2,100.00
0204210A	Handling of Water & Dewatering	LS	1	\$20,000.00	\$20,000.00
0210100A	Anti-Tracking Pad	S.Y.	100	\$25.00	\$2,500.00
0213100A	Granular Fill	C.Y.	0	\$50.00	\$0.00
0219001A	Sedimentation Control System	LF	300	\$5.00	\$1,500.00
0219011	Sedimentation Control System at Catch Basin	EA	2	\$200.00	\$400.00
0601201	Class "F" Concrete	C.Y.	0	\$600.00	\$0.00
0602006	Deformed Steel Bars - Epoxy Coated	LB	0	\$3.00	\$0.00
0703012A	Modified Riprap	C.Y.	10	\$100.00	\$1,000.00
0728001	#4 Crushed Stone	C.Y.	10	\$70.00	\$700.00
0815001A	Bituminous Concrete Curb	L.F.	0	\$8.00	\$0.00
	Timber Footbridge	EA	0	\$7,500.00	\$0.00
0939001	Sweeping for Dust Control	Hrs.	20	\$50.00	\$1,000.00
0943001	Water for Dust Control	Mgal.	200	\$1.00	\$200.00
0944106A	Furnishing and Placing Topsoil	C.Y.	0	\$45.00	\$0.00
0950005A	Turf Establishment	S.Y.	200	\$1.00	\$200.00
0950013A	Erosion Control Matting	S.Y.	50	\$10.00	\$500.00
0974000A	Removal of Existing Masonry	C.Y.	0	\$125.00	\$0.00
1301081A	6" D.I Pipe	L.F.	0	\$75.00	\$0.00
1301094A	D.I Pipe Fittings	LB	0	\$10.00	\$0.00
1302003A	6" Gate Valve	EA	0	\$1,200.00	\$0.00
	Stop Logs & Accessories	EA	0	\$2,500.00	\$0.00
	Staff Gage	EA	0	\$500.00	\$0.00
	Sediment Disposal	LS	1	\$50,000.00	\$50,000.00
	SUBTOTAL				\$156,100.00
0971001	Maintenance and Protection of Traffic (5%)	LS	0.05	\$156,100.00	\$7,805.00
0975002	Mobilization (7%)	LS	0.07	\$156,100.00	\$10,927.00
0980001	Construction Staking (10%)	LS	0.10	\$156,100.00	\$15,610.00
0200101A	Miscellaneous and Minor Items (15%)	LS	0.15	\$156,100.00	\$23,415.00
0201001A	Clearing and Grubbing (5%)	LS	0.05	\$156,100.00	\$7,805.00
	SUBTOTAL OF CONTRACT ITEMS				\$221,662.00
	Incidentals and Contingencies (25%)	LS	0.25	\$221,662.00	\$55,415.50
	TOTAL OF INCIDENTALS AND CONTINGENCIES				\$55,415.50
TOTAL PROJECT COST					\$277,077.50

plus 3% CPI

Assumptions:

1. Pond dredging occurs as a separate bid package after spillway repairs are completed.
2. Assumed 3' of sediment removal in pond. Need survey shots in pond to confirm sediment depths.
3. Assume that sediment will have to be disposed of offsite at a location to be determined.

Parks Paving

Parks

Indian Ledge Paving

Parks # 5

Project :
2020

Indian Ledge - Phase 1
Paving

Date: 9/20/2019
Estimate By: TS
Checked By:

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Reclaiming	SY	28,924	\$2.41	\$69,707
	Calcium Chloride	Gal	5,785	\$1.42	\$8,214
	Binder Course (2")	Ton	4165.1	\$94.86	\$395,097
	Wear Course (2")	Ton	4165.1	\$94.86	\$395,097
	Tack Coat	Gal	3,182	\$6.67	\$21,222
	Grass Restoration landscaping*	SY	14,313	\$13.00	\$186,073
	ADA Signage	EA	10	\$200.00	\$2,000
	Parking Stall Line Striping	EA	120	\$20.00	\$2,400
	ADA Stalls	EA	10	\$40.00	\$400
	Concrete Curb	LF	11,484	\$5.18	\$59,487
				UNIT PRICE SUBTOTAL =	\$1,139,698

ALLOWANCES

Drainage	ALLOWANCE	\$	250,000.00
	ALLOWANCE	\$	-
		ALLOWANCE SUBTOTAL =	\$ 250,000.00

UNIT PRICE + ALLOWANCE = \$ 1,389,697.67

LUMP SUM ITEMS

		LUMP SUM SUBTOTAL =	\$ -

SUBTOTAL - UNIT PRICE + ALLOWANCES + LUMP SUM = \$ 1,389,697.67

CONTINGENCY AND INCIDENTALS

Contingency & Incidents (15% x (Unit Price + Allowances + Lump Sum))	\$	208,454.65
		TOTAL = \$ 1,598,152.32

ADD 3% ESCALATION PER YEAR - IF NOT COMPLETED IN 2020 = \$ 47,945.00

Project :
2022

Indian Ledge - Phase 3
Paving

Parks # 5

Date: 9/20/2019
Estimate By: TS
Checked By:

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Reclaiming	SY	7,467	\$2.41	\$17,995
	Calcium Chloride	Gal	1,493	\$1.42	\$2,121
	Binder Course (2")	Ton	985.6	\$109.29	\$107,716
	Wear Course (2")	Ton	985.6	\$109.29	\$107,716
	Tack Coat	Gal	821	\$6.67	\$5,478
	Concrete Curb	LF	3,070	\$5.18	\$15,903
	Grass Restoration landscaping	SY	2,047	\$13.00	\$26,607
UNIT PRICE SUBTOTAL =					\$283,535

ALLOWANCES

Drainage	ALLOWANCE	\$	100,000.00
	ALLOWANCE		
		\$	-
ALLOWANCE SUBTOTAL =		\$	100,000.00

UNIT PRICE + ALLOWANCE =		\$	383,535.21
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LUMP SUM ITEMS

LUMP SUM SUBTOTAL =		\$	-

SUBTOTAL -UNIT PRICE +ALLOWANCES+ LUMP SUM =		\$	383,535.21
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CONTINGENCY AND INCIDENTALS

Contingency & Incidents (15% x (Unit Price + Allowances + Lump Sum))		\$	57,530.28
TOTAL =		\$	441,065.49

ADD 3% ESCALATION PER YEAR - IF NOT COMPLETED IN 2022 =		\$	13,232.00
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Unity Park Paving

Construction Cost Estimate
 Unity Park, Trumbull, CT

7/9/2019

Parks # 6

Major and Minor Contract Items

Item No.	Item	Unit	Quantity	Unit \$	Total Cost
1	Dredge Existing Pond	CY	1,275	\$50.00	\$ 63,738.20
2	Earth Excavation	CY	1,412	\$15.00	\$ 21,180.00
3	Trench Excavation for Storm Drains	CY	182	\$20.00	\$ 3,640.00
3	Modified Riprap	CY	15	\$80.00	\$ 1,200.00
4	Concrete for Weir Structures	CY	38	\$1,500.00	\$ 57,000.00
5	Wooden Flash Boards	LF	360	\$10.00	\$ 3,600.00
6	Aluminum Grates for Weir Structures	Ea.	6	\$1,000.00	\$ 6,000.00
7	Crushed Stone Bedding	CY	150	\$40.00	\$ 6,000.00
8	Formation of Subgrade	SY	341	\$2.00	\$ 682.00
9	Remove Existing Trees	Ea	11	\$600.00	\$ 6,600.00
10	Concrete for Endwalls and Headwalls	CY	26	\$1,000.00	\$ 26,000.00
11	Intermediate Riprap	CY	6	\$80.00	\$ 480.00
12	Concrete Park Curb	LF	175	\$28.00	\$ 4,900.00
13	12' x 4' Concrete Box Culvert	LF	46	\$1,500.00	\$ 69,000.00
14	Sawcut Exist. Pavement	SY	341	\$2.00	\$ 682.00
15	New Bituminous Concrete Paving	ton	77	\$150.00	\$ 11,550.00
16	Gabion Wall	CY	12	\$500.00	\$ 6,000.00
17	Riprap Apron	CY	6	\$100.00	\$ 600.00
18	Reinforced Turf	SY	164	\$10.00	\$ 1,640.00
19	Riprap Leakoff	CY	6	\$100.00	\$ 600.00
20	15" HDPE Flared End Section	Ea.	1	\$300.00	\$ 300.00
21	Natural Streambed Material in Culvert	CY	17	\$110.00	\$ 1,870.00
22	Natural Streambed Material in Channel	CY	79	\$100.00	\$ 7,900.00
23	Type "CL" Catch Basin	Ea.	2	\$3,000.00	\$ 6,000.00
24	12" HDPE	LF	222	\$55.00	\$ 12,210.00
25	Plug Existing Pipe	Ea.	2	\$500.00	\$ 1,000.00
26	12" HDPE Flared End Section	Ea.	1	\$300.00	\$ 300.00
27	Type "C" Catch Basin	Ea.	2	\$3,000.00	\$ 6,000.00
28	15" Class V RCP	LF	212	\$55.00	\$ 11,660.00
29	Straw Wattle	LF	294	\$3.00	\$ 882.00
30	Turbidity Curtain	LF	508	\$35.00	\$ 17,780.00
31	Filter Fabric Protection for Trench Drain	Ea.	1	\$200.00	\$ 200.00
32	Silt Sack	LF	1	\$150.00	\$ 150.00
33	Geotextile Silt Fence	LF	2,251	\$3.00	\$ 6,753.00
34	Haybale Barrier	LF	1096	\$2.50	\$ 2,740.00
35	Construction Entrance	SY	187	\$30.00	\$ 5,610.00
36	Cofferdam	LF	50	\$500.00	\$ 25,000.00
37	Erosion Control Blanket	SY	1350	\$5.00	\$ 6,750.00
38	Riprap for Preformed Scour Hole	CY	29	\$100.00	\$ 2,900.00
39	Temporary 30" HDPE	LF	224	\$125.00	\$ 28,000.00
40	Topsoil & Seeding	SY	670	\$7.00	\$ 4,690.00
41	Remove and Relocate Existing Park Sign	Ea.	1	\$500.00	\$ 500.00
42	Acer Rubrum 'October Glory'	Ea.	4	\$475.00	\$ 1,900.00
43	Acer Saccharinum 'Green Mountain'	Ea.	8	\$475.00	\$ 3,800.00
44	Cornus Florida	Ea.	5	\$200.00	\$ 1,000.00
45	Cornus Sericea 'Flacramea'	Ea.	20	\$200.00	\$ 4,000.00
46	Ilex Verticillata 'Little Goblin Red'	Ea.	120	\$70.00	\$ 8,400.00
47	Ilex Verticillata 'Little Goblin Guy'	Ea.	30	\$70.00	\$ 2,100.00
A	Major Items Subtotal				\$ 461,487
B	Minor Items Subtotal	10	% of Line "A"		\$ 46,149
C	Major and Minor Contract Items Subtotal (A + B)				\$ 507,636

Other Item Allowances

Clearing and Grubbing	4	% of Line "C"	\$ 20,305
M & P of Traffic	3	% of Line "C"	\$ 15,229
Mobilization	7.5	% of Line "C"	\$ 38,073

Construction Cost Estimate Unity Park, Trumbull, CT

Major and Minor Contract Items

Item No.	Item	Unit	Quantity	Unit \$	Total Cost
	Construction Staking	2	% of Line "C"		\$ 10,153
D	Other Items Subtotal				\$ 83,760
E	CONTRACT SUBTOTAL (C + D)				\$ 591,396
Inflation Costs (Simple Method)					
	Date of Estimate	Jul-19			
	Anticipated Bid Date	Jun-20			
	Annual Inflation	4%			
F	Inflation Subtotal	3.6%	of Line "E"		\$ 21,290
G	TOTAL CONTRACT COST ESTIMATE (E + F) (Rounded to nearest \$1000)				\$ 613,000

LQTCIP Project Costs Summary			
Contract Cost Estimate (Line "G")			\$ 613,000
Contingencies	10%		\$ 61,300
Incidentals	10%		\$ 61,300
Construction Documents	6%		\$ 36,780
Construction Administration & Observation	10%		\$ 61,300
TOTAL PROJECT COST			\$ 833,680
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

Twin Brooks Paving

Construction Cost Estimate
Twin Brooks Park, Trumbull, CT

7/9/2019

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 50.25	ton	129	\$125.00	\$ 16,093.67
18	Bituminous Concrete - HMA 50.375	ton	154	\$135.00	\$ 20,857.40
19	Bituminous Concrete - HMA 50.5	ton	438	\$115.00	\$ 50,381.62
20	Bituminous Concrete - HMA 51.0	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 Guiderail	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 "C1" 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 # 7

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
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LOTOR 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

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

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."

Old Mine/ Counseling Center Parking Paving

Abraham Nichols Parking Lot Paving

Parks Pools

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

Parks

Tennis Courts

IF YOU CAN PLAY ON IT,

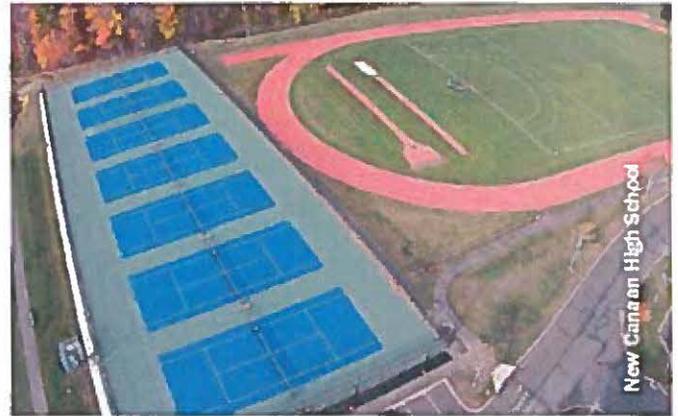


WE CAN BUILD IT

Durability • Reliability
Playability • Engineered to Last



Chelsea Piers, Stamford, CT



New Canaan High School



Portland, OR



Tennis Industry Magazine Contractor of the Year –
10 and Under Tennis (2011)



Hinding Tennis Courts, LLC • 24 Spring Street • West Haven, CT 06516 • p 203-285-3055

July 6, 2019

Dmitri Paris
Town of Trumbull
Unity Park
203-650-6804
dparis@trumbull-ct.gov

Re: Court Repair Proposal

Dear Dmitri,

Thank you for considering Hinding Tennis for your recreational needs. It is our goal to provide you with the highest quality sport surfacing products and installation in the industry.

We at Hinding Tennis stand committed to excellence and it is our goal to provide you with the highest quality materials. As a current member of the American Sports Builders Association we are always up to date on the newest innovations and industry trends. Our goal is always to exceed your expectations and let the finished product speak for itself.

We know you have many options when choosing a sport-surfacing contractor, therefore we continually strive to provide the most competitive pricing without compromising the quality or workmanship.

All of us at Hinding Tennis thank you for the opportunity to provide you with this proposal and look forward to working with you in the future.

Sincerely,

Vincent Rapuano
Vincent Rapuano
203-410-1270

www.HindingTennis.com



HINDING PROPOSAL

PROCEDURE TO BE AS FOLLOWS: Furnish all materials, labor and insurance to perform the **HINDING TENNIS POST TENSION SYSTEM** for (4) tennis courts (2 banks of 2 courts; 26,880 total square footage).

UNITY PARK

Specifications of Services to be Provided:

1. MOBILIZATION - Mobilize the necessary equipment to perform the required work for your project as itemized below. This fee is associated with the work that is necessary to set up your job and organize the necessary equipment that is needed to load and mobilize to and from the job site each day.

2. SITE PREP - Remove and dispose of all chain link fence fabric.

3. NET POST FOOTINGS - Furnish and install (4) sets of Douglas premier posts in 3' x 3' x 3' 2500 p.s.i. concrete footings. Also included in this procedure is the installation of (1) center anchor, (1) center strap and (1) new tennis net per court.

4. POST TENSION CONCRETE SLAB -

- A. Form work will be installed around the entire perimeter of the tennis courts.
- B. New net post sleeves to be set in their own concrete footings.
- C. Two layers of 6 mil poly will be placed over the entire court area.
- D. Encapsulated Post-tensioning tendons will be laid out according to PTI specifications.
- E. A 5" thick, 3000 psi concrete slab will be poured monolithically inside the forms.
- F. Post-tensioning cables will be stressed according to PTI specifications and procedures.
- G. The concrete surface will be checked for flatness, according to the ASBA guidelines. Any deviations will be brought to proper tolerances with 5000 psi epoxy concrete.
- H. After final cable stress, cable ends will be cut off inside the cone holes, and the holes filled with no-shrink grout.

Guarantee: Hinding Tennis, LLC will guarantee the post-tensioned slab against structural cracking for a period of twenty (20) years from date of install. Hairline cracks (surface cracks not structural as defined above) are not covered. If structural cracks do develop, the contractor will repair the crack as he deems necessary to make the surface playable again. Abuse, neglect, acts of God, are not covered.

5. FENCE - Furnish and install new galvanized chain link fence fabric. New fence hardware and 10' high fencing with schedule 40 pipe and 8 gauge fuse bonded wire. Terminal posts to be 3"; line posts to be 2 1/2".

6. ACID ETCH & PRESSURE WASH - Acid etch existing concrete surface to prepare for urethane coating after allowing 30 days for concrete to cure.

7. TI COAT - Furnish and install Ti Coat to courts/entire slab to ensure proper adhesion.

8. ACRYLIC COLOR COATING - Furnish and install the (3) coat acrylic color coating surface system to all courts. The Hinding surfacing system consists of two distinct components, 1 Filler Coat and 1 Finish Coat.

9. LINE STRIPING - Layout and stripe (4) sets of tennis lines per USTA specifications.

Total Unity =

Cost: \$403,200.00

www.HindingTennis.com



HINDING PROPOSAL

PROCEDURE TO BE AS FOLLOWS: Furnish all materials, labor and insurance to perform the **HINDING TENNIS POST TENSION SYSTEM** for (2) tennis courts (115' x 120'; 13,800 total square footage).

NOTHNAGLE PARK

Specifications of Services to be Provided:

1. MOBILIZATION - Mobilize the necessary equipment to perform the required work for your project as itemized below. This fee is associated with the work that is necessary to set up your job and organize the necessary equipment that is needed to load and mobilize to and from the job site each day.

2. SITE PREP - Remove and dispose of all chain link fence fabric.

3. NET POST FOOTINGS - Furnish and install (2) sets of Douglas premier posts in 3' x 3' x 3' 2500 p.s.i. concrete footings. Also included in this procedure is the installation of (1) center anchor, (1) center strap and (1) new tennis net per court.

4. POST TENSION CONCRETE SLAB -

- A. Form work will be installed around the entire perimeter of the tennis courts.
- B. New net post sleeves to be set in their own concrete footings.
- C. Two layers of 6 mil poly will be placed over the entire court area.
- D. Encapsulated Post-tensioning tendons will be laid out according to PTI specifications.
- E. A 5" thick, 3000 psi concrete slab will be poured monolithically inside the forms.
- F. Post-tensioning cables will be stressed according to PTI specifications and procedures.
- G. The concrete surface will be checked for flatness, according to the ASBA guidelines. Any deviations will be brought to proper tolerances with 5000 psi epoxy concrete.
- H. After final cable stress, cable ends will be cut off inside the cone holes, and the holes filled with no-shrink grout.

Guarantee: Hinding Tennis, LLC will guarantee the post-tensioned slab against structural cracking for a period of twenty (20) years from date of install. Hairline cracks (surface cracks not structural as defined above) are not covered. If structural cracks do develop, the contractor will repair the crack as he deems necessary to make the surface playable again. Abuse, neglect, acts of God, are not covered.

5. FENCE - Furnish and install new galvanized chain link fence fabric. New fence hardware and 10' high fencing with schedule 40 pipe and 8 gauge fuse bonded wire. Terminal posts to be 3"; line posts to be 2 1/2".

6. ACID ETCH & PRESSURE WASH - Acid etch existing concrete surface to prepare for urethane coating after allowing 30 days for concrete to cure.

7. TI COAT - Furnish and install Ti Coat to courts/entire slab to ensure proper adhesion.

8. ACRYLIC COLOR COATING - Furnish and install the (3) coat acrylic color coating surface system to all courts. The Hinding surfacing system consists of two distinct components, 1 Filler Coat and 1 Finish Coat.

9. LINE STRIPING - Layout and stripe (2) sets of tennis lines per USTA specifications.

Total Nothnagle:

Cost: \$207,000.00

www.HindingTennis.com



HINDING PROPOSAL

PROCEDURE TO BE AS FOLLOWS: Furnish all materials, labor and insurance to perform the **HINDING TENNIS POST TENSION SYSTEM** for (3) tennis courts (156' x 120'; 18,720 total square footage).

ISLAND BROOK PARK

Specifications of Services to be Provided:

1. MOBILIZATION - Mobilize the necessary equipment to perform the required work for your project as itemized below. This fee is associated with the work that is necessary to set up your job and organize the necessary equipment that is needed to load and mobilize to and from the job site each day.

2. SITE PREP - Remove and dispose of all chain link fence fabric.

3. NET POST FOOTINGS - Furnish and install (3) sets of Douglas premier posts in 3' x 3' x 3' 2500 p.s.i. concrete footings. Also included in this procedure is the installation of (1) center anchor, (1) center strap and (1) new tennis net per court.

4. POST TENSION CONCRETE SLAB -

- A. Form work will be installed around the entire perimeter of the tennis courts.
- B. New net post sleeves to be set in their own concrete footings.
- C. Two layers of 6 mil poly will be placed over the entire court area.
- D. Encapsulated Post-tensioning tendons will be laid out according to PTI specifications.
- E. A 5" thick, 3000 psi concrete slab will be poured monolithically inside the forms.
- F. Post-tensioning cables will be stressed according to PTI specifications and procedures.
- G. The concrete surface will be checked for flatness, according to the ASBA guidelines. Any deviations will be brought to proper tolerances with 5000 psi epoxy concrete.
- H. After final cable stress, cable ends will be cut off inside the cone holes, and the holes filled with no-shrink grout.

Guarantee: Hinding Tennis, LLC will guarantee the post-tensioned slab against structural cracking for a period of twenty (20) years from date of install. Hairline cracks (surface cracks not structural as defined above) are not covered. If structural cracks do develop, the contractor will repair the crack as he deems necessary to make the surface playable again. Abuse, neglect, acts of God, are not covered.

5. FENCE - Furnish and install new galvanized chain link fence fabric. New fence hardware and 10' high fencing with schedule 40 pipe and 8 gauge fuse bonded wire. Terminal posts to be 3"; line posts to be 2 1/2".

6. ACID ETCH & PRESSURE WASH - Acid etch existing concrete surface to prepare for urethane coating after allowing 30 days for concrete to cure.

7. TI COAT - Furnish and install Ti Coat to courts/entire slab to ensure proper adhesion.

8. ACRYLIC COLOR COATING - Furnish and install the (3) coat acrylic color coating surface system to all courts. The Hinding surfacing system consists of two distinct components, 1 Filler Coat and 1 Finish Coat.

9. LINE STRIPING - Layout and stripe (3) sets of tennis lines per USTA specifications.

Island Brook =

Cost: \$280,800.00

www.HindingTennis.com



HINDING PROPOSAL

PROCEDURE TO BE AS FOLLOWS: Furnish all materials, labor and insurance to perform the **HINDING TENNIS POST TENSION SYSTEM** for (8) tennis courts (2 banks of 4 courts each; 204' x 120' each bank; 48,960 total square footage).

TASHUA KNOLLS PARK

Specifications of Services to be Provided:

1. MOBILIZATION - Mobilize the necessary equipment to perform the required work for your project as itemized below. This fee is associated with the work that is necessary to set up your job and organize the necessary equipment that is needed to load and mobilize to and from the job site each day.

2. SITE PREP - Remove and dispose of all chain link fence fabric.

3. NET POST FOOTINGS - Furnish and install (8) sets of Douglas premier posts in 3' x 3' x 3' 2500 p.s.i. concrete footings. Also included in this procedure is the installation of (1) center anchor, (1) center strap and (1) new tennis net per court.

4. POST TENSION CONCRETE SLAB -

- A. Form work will be installed around the entire perimeter of the tennis courts.
- B. New net post sleeves to be set in their own concrete footings.
- C. Two layers of 6 mil poly will be placed over the entire court area.
- D. Encapsulated Post-tensioning tendons will be laid out according to PTI specifications.
- E. A 5" thick, 3000 psi concrete slab will be poured monolithically inside the forms.
- F. Post-tensioning cables will be stressed according to PTI specifications and procedures.
- G. The concrete surface will be checked for flatness, according to the ASBA guidelines. Any deviations will be brought to proper tolerances with 5000 psi epoxy concrete.
- H. After final cable stress, cable ends will be cut off inside the cone holes, and the holes filled with no-shrink grout.

Guarantee: Hinding Tennis, LLC will guarantee the post-tensioned slab against structural cracking for a period of twenty (20) years from date of install. Hairline cracks (surface cracks not structural as defined above) are not covered. If structural cracks do develop, the contractor will repair the crack as he deems necessary to make the surface playable again. Abuse, neglect, acts of God, are not covered.

5. FENCE - Furnish and install new galvanized chain link fence fabric. New fence hardware and 10' high fencing with schedule 40 pipe and 8 gauge fuse bonded wire. Terminal posts to be 3"; line posts to be 2 1/2".

6. ACID ETCH & PRESSURE WASH - Acid etch existing concrete surface to prepare for urethane coating after allowing 30 days for concrete to cure.

7. TI COAT - Furnish and install Ti Coat to courts/entire slab to ensure proper adhesion.

8. ACRYLIC COLOR COATING - Furnish and install the (3) coat acrylic color coating surface system to all courts. The Hinding surfacing system consists of two distinct components, 1 Filler Coat and 1 Finish Coat.

9. LINE STRIPING - Layout and stripe (8) sets of tennis lines per USTA specifications.

Total Tashua courts

Cost: \$734,400.00

split over two years courts 1-4 then courts 5-8

www.HindingTennis.com



CIP 2020 - 2024

Fleet

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 - HWY Snow Plow

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 Martinotti
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



Prepared by:
 Greg Marlinotti
 FREIGHTLINER OF HARTFORD
 222 ROBERTS STREET
 EAST HARTFORD, CT 06108
 Phone: 860-559-9547
 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 <i>Chassis</i>	TOTAL # OF UNITS (2)	\$	95,997.00	\$	191,994.00
ITEM # 1H <i>30% discount</i>	TOTAL # OF UNITS (2)	\$	(9,012.00)	\$	(18,024.00)
ITEM # 1J <i>\$96,401 less 20% disc.</i>	TOTAL # OF UNITS (2)	\$	77,121.00	\$	154,242.00
ITEM # 1K <i>19,468.75 less 20% disc.</i>	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)	\$	0.00
BALANCE DUE		(LOCAL CURRENCY) \$	179,681.00	\$	

COMMENTS:

- Chassis will be invoiced upon delivery to body company. Payment is expected to be received 15 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: 114SD	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> ✓ options
1j.	Percentage discount off MSRP for any Allied Equipment.	% off	<u>1j. 20% off</u> ✓ off search box or
1k.	Hourly labor rate.	hour	<u>1k. \$98.00</u> upfitting of box trucks

Fleet # 1

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	F.O.B. POINT	TERMS
Best way	Wallingford CT.	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; ¾" 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 -19,780.25 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:** _____



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

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

Fleet # 1

Quote

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

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

Mobile Command Center

**Office of Emergency
Management**

mmurphy@trumbull-ct.gov

**Town of Trumbull
Connecticut**



Trumbull Police Department
158 Edison Road
Trumbull, Connecticut 06611

203.452.5080
203.261-3665

Fleet # 7

July 10, 2019

Mrs. Vicki Tesoro
First Selectman
Town of Trumbull
5866 Main Street
Trumbull, CT 0661

Re: 5 Year Capital Improvement Plan

Dear Mrs. Tesoro,

Enclosed you will find a cost / benefit analysis for a new drivable command trailer for your consideration to be added to the five year capital plan. This much needed asset will be used to replace a near 20 year old towable trailer. A new drivable trailer will make for easier deployments and have upgraded technologies that will carry Trumbull's Emergency Services well into the future.

While I understand this is a costly item, the Office of Emergency Management will seek grant funding from multiple sources to help absorb some of the costs of this new command vehicle.

As you will see when you read the proposal this vehicle can serve multiple functions within emergency services. Its multiple functions and greater technological capabilities will help prepare Trumbull's first responders to be better equipped to handle both large scale incidents as well as plan and prepare for public events.

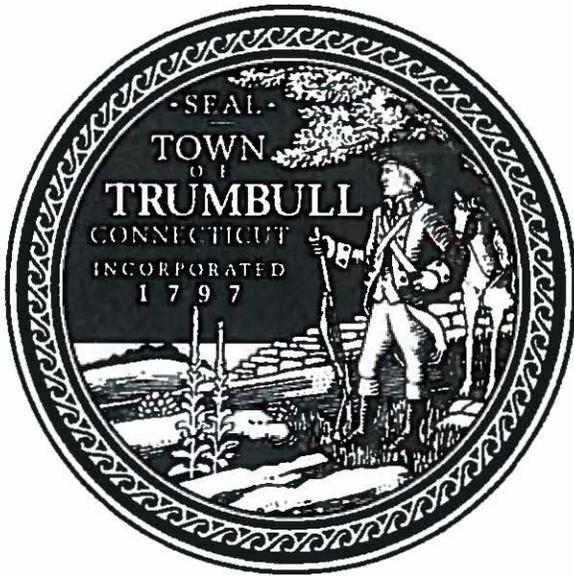
Thank you for your time and consideration. I look forward to having the opportunity to further discuss this project with you.

Kind regards.

Megan Murphy
Fire Marshal/Emergency Management Director
Town of Trumbull

Cc: Maria Pires, Director Finance
Michael Lombardo, Chief of Police
Leonard Scinto, Deputy Police Chief

Fleet # 7



Mobile Command Vehicle Evaluation

Town of Trumbull

July, 2019

COST/BENEFIT ANALYSIS

COST/BENEFIT ANALYSIS

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Fleet # 7

1.0 GENERAL INFORMATION

1.0 GENERAL INFORMATION

1.1 Purpose

The Town of Trumbull has a vast array of top line emergency service equipment. This equipment provides safety to both the public and its first responders. However, there is one piece of safety equipment that is in need of evaluation. The Town of Trumbull provides emergency service operations to over 36,000 residents across 23.5 square miles. Unfortunately, emergency service personnel are limited in communication and command capabilities during comprehensive incident management operations. The purpose of this cost-benefit analysis is to determine and recommend the best available option for the Town of Trumbull to advance emergency service capabilities during these complex operations.

1.2 Scope

The information provided in this Cost Benefit Analysis (CBA) is used to determine which *Mobile Command Vehicle Evaluation* option is most feasible for the department. This information evaluates respective guidelines and standards, technological advancements, and grant/funding opportunities. Lastly, the scope of this analysis includes research from multiple sources, including national organizations. This provides in depth information permitting the Town of Trumbull to make a well informed investment.

1.3 Vehicle Responsibilities

With a proper mobile command vehicle, emergency service personnel have the ability to host all necessary operational functions while increasing interoperability and scene safety.

Specifically, mobile command vehicles become a critical resource during complex and high risk events. These events include, but are not limited to:

- Large scale joint operations incidents:
 - Westfield Mall
 - School based emergencies
 - Mass casualty incidents
 - Natural disasters/emergencies
 - Point of Distribution Center activities
- Back up Emergency Operation Center (EOC) activation
- Back up 911 Center
- Public/community events:
 - Trumbull Day
 - Memorial Day parade
 - Concerts at Indian Ledge
- Law enforcement operations:
 - Baricaded subjects

- Hostage negotiations
- Miscellaneous operational capacities:
 - Fire investigations
 - Accident reconstruction operations
 - Search and Rescue operations

1.4 System Overview

The following is a brief overview of the *Mobile Command Vehicle Evaluation* analyzed in this document.

- Responsible organization: Town of Trumbull
- System name or title: *Mobile Command Vehicle Evaluation*
- System question: What is the most feasible investment for the Town of Trumbull?

1.5 Project References

- *National Fire Protection Association*
- *Fairfax County Police Department*
- *Frontline Communications*
- *Federal Emergency Management Agency*
- *State of Connecticut Division of Emergency Management and Homeland Security*

1.6 Acronyms and Abbreviations

NFPA	National Fire Protection Association
FCPD	Fairfax County Police Department
FEMA	Federal Emergency Management Agency
CT DEMHS	State of Connecticut Division of Emergency Management and Homeland Security
MCV	Mobile Command Vehicle
EM	Emergency Management
PD	Police Department

1.7 Points of Contact

1.7.1 Information

Ray Muller
Firematic Supply Co. Service Manager
raym@firematic.com
631-995-3242

Allen Nalley
Frontline Communications Regional Sales Manager
727-280-8801
analley@frontlinecomm.com

Megan Murphy
Fire Marshal / Emergency Management Director
203-650-8370
mmurphy@trumbull-ct.gov

Andrew Kingsbury
Deputy Emergency Management Director
203-856-0573
akingsbury@trumbullct.gov

Johnathan Matyasich
Fire Marshal Office Intern
484-824-0748
john.matyasich@gmail.com

1.7.2 Coordination

It is recommended that the Town of Trumbull develop a joint planning and specification development committee appointed by the First Selectman. It is recommended that this committee encompasses a diverse selection of representatives from various emergency service providers within the Town of Trumbull.

2.0 PROJECT OVERVIEW

2.0 PROJECT OVERVIEW

2.1 Assumptions and Constraints

This research was conducted under the assumption that the mobile command vehicle will be available to all emergency service organizations within the Town of Trumbull.

2.2 Methodology

All individual costs are estimated prices from Frontline Communications, based on similar vehicle designs. Estimated costs ensure compliance of all NFPA guidelines and recommendations. Additionally, a list of imperative components were established by various emergency service organizations to ensure adequate equipment resources are available to all personnel.

2.3 Evaluation Criteria

- Is the proposed technology likely to accomplish its purpose in the circumstances where it would be used? More specifically, is it technologically feasible and appropriate, given the financial and human resources available?
- Focusing on the financial aspects of the equipment, is it the most cost-effective option available?

2.4 Recommendations

It is recommended that the Town of Trumbull invest in a new mobile command center. This upgraded equipment and technology will be a significant benefit to the Town of Trumbull emergency service organizations. Additionally, it is recommended that the Town of Trumbull applies for the various grants listed within this analysis to assist with funding.

3.0 DESCRIPTION OF ALTERNATIVES

3.0 DESCRIPTION OF ALTERNATIVES

3.1 Current Mobile Command Center

Currently the Town of Trumbull owns a mobile command trailer. The current vehicle offers two rooms, one radio communication area and one meeting room, a bathroom, and a kitchenette. The walls throughout the vehicle are dry erase boards which have permanent stains. Additionally, the unit offers air conditioning powered via the onboard generator. However, the generator does not have the ability to power the radio systems, lights, and air conditioning units. Furthermore, there is no internet connections/capabilities available.

The current unit has two points of egress from the exterior. The outside of the vehicle has shown significant deterioration, including staining to the paint. There is also a leak in the roof above the bathroom which has lead to mold growing within the walls and ceiling of the vehicle. Lastly, the manual awning has multiple rips and tears causing it to be deemed non usable. The current vehicle is not in compliance with NFPA 1912 nor NFPA 1901.

3.2 Refurbish Current Command Center

If the current mobile command center is not replaced, it will need to be refurbished to ensure that its operational capacities align with the Town of Trumbull emergency service organizations objectives. This will include, but not be limited to: addition of multiple computer monitors; addition of docking areas for computers; addition of internet capabilities throughout vehicle; upgraded satellite equipment; service and inspection to propane tanks, water lines, air conditioning and heating units, and the water heater; repairs to the refrigerator, leaking roof, and awning; replacement of onboard generator and radio system capabilities; removal of mold throughout the vehicle; and the exterior will have to be repainted. If the current vehicle is refurbished, it will need to be in compliance with NFPA 1912.

3.3 Purchasing a New Mobile Command Center

The purchase of a new mobile command vehicle will provide upgraded technology, custom design, and interoperability. Additionally, the vehicle will be in compliance with NFPA 1901 in addition to possessing complete warranties on the vehicle and its components. The recommended vehicle will encompass: topline internet capabilities; computers and monitors; exterior monitor and deployment screen; upgraded radios; a meeting/conference space; separate radio communication/dispatch area; properly sized generators; solar panels; bump out areas to increase available workspace; telecommunication capabilities; electrical awning; heightened security features; aerial and perimeter security cameras; weather monitoring capabilities.

4.0 COSTS

4.0 COSTS

4.1 Estimated Costs

4.1.1 Refurbish Current Command Vehicle

At this time, there is not an exact estimate available due to multiple constraints. However, in order to ensure the vehicle is in compliance with NFPA standards, the estimate provided is in excess of \$150,000. It is important to note that this cost does not include the general servicing of the vehicles components due unknown repairs/replacements that will be required. This cost also does not include the upgraded technologies (radios, monitors, internet capabilities). The costs of upgraded technologies is well in excess of \$100,000.

Additionally, the Town of Trumbull will need to take into consideration the age of the current vehicle. NFPA 1901 recommends vehicles be replaced every 15 to 20 years. The current trailer is rapidly approaching 20 years of age. This means that after the refurbishment is complete, the Town of Trumbull will need to begin preparing for replacement of the vehicle.

4.1.2 Purchasing a New Command Vehicle

The estimated cost of purchasing a new command vehicle is \$800,000 dollars. This encompasses all components, including the upgraded radio systems. Additionally, this cost includes all available warranties for the vehicle and its components.

There are various grant opportunities listed within this assessment which will allow the Town of Trumbull to minimize the cost to taxpayers, while maximizing available resources.

This vehicle will be in complete compliance with NFPA 1901 standards.

5.0 Vehicle Comparison

5.0 VEHICLE COMPARISON

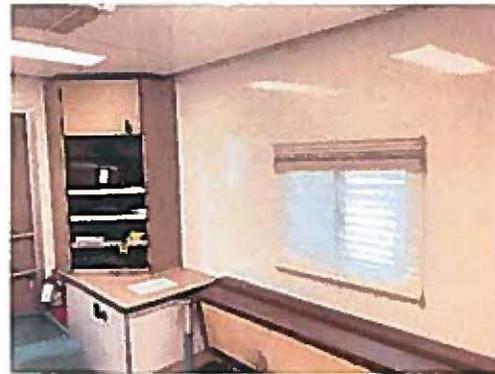
5.1 Interior Space

5.1.1 Current Command Vehicle

The interior of the current command center has two different rooms (one radio/dispatch room and one meeting/conference room), a kitchenette, and a bathroom. There is a leak in the roof, around the vent in the bathroom causing mold throughout different areas of the current trailer. This unit offers one TV monitor that connects to cable television. There are no internet or telephone capabilities within this unit.



Radio / Dispatch Area



Meeting/Conference Room



Meeting/Conference Room



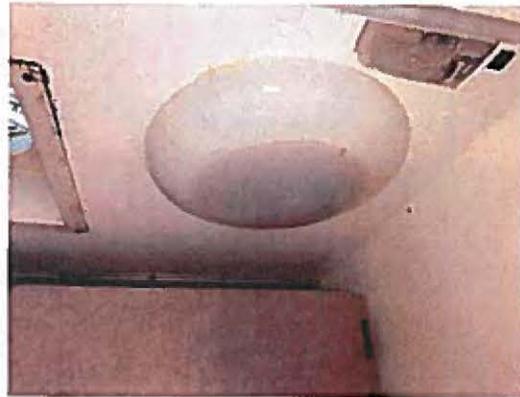
Bathroom



Kitchenette



Bathroom Vent



Bathroom Light



Radio/Dispatch Room Light



Bathroom Toilet

5.1.2 New Command Vehicle

The interior of the new command vehicle will provide three separate rooms (one radio/dispatch room, one meeting/conference room, and one technology center), four slide out compartments to gain operational space, a kitchenette, and increased work surfaces. This unit also offers: three full height equipment racks; LED interior lighting in the ceiling, under cabinets, and at workstations; AV routing system for all intuitive touch panels; wireless mesh network; satellite data network connections; a recorded interview room; remote monitor processing equipment to view camera assets; video presentation system; map annotation system; full data and voice connectivity via harline and multiple wireless channels (cellular, satellite, and wireless bridge); dual internet networks (one encrypted and one non-encrypted); dual renderers for connectivity with tablets; drove routability system; local and satellite tv available throughout vehicle; independent cellular routing capabilities allowing the unit to act as an independent EOC.



Radio/Dispatch Room



Radio/Dispatch Room



Meeting/Conference Room



Technology Center



Kitchenette

5.2 Exterior Space

5.2.1 Current Command Vehicle

The exterior of the current command center has steadily deteriorated over recent years. The manual awning has multiple rips and tears, the paint has staining across the vehicle, there is minimal lighting around the exterior, posing a safety concern, and there is minimal security features. This unit offers two rooftop air conditioning units, a roof mounted satellite, and a generator. Additionally, the current command vehicle is a towable trailer that requires a properly sized pickup truck, and operator, to be available for its deployment.



Passenger Side



Driver Side

5.2.2 New Command Vehicle

The exterior of the new vehicle will offer various speciality components to compliment the resources that will be available to emergency service providers. This includes: exterior command screen and briefing monitor; lighting mast (for additional scene lighting); four 16 foot electric awnings (2 per side); day/night and thermal camera mast; day/night perimeter cameras (full 360-degree area surveillance); physical security with card readers at all points of egress; a weather station; five rooftop air conditioning units; four medium 8 foot slide outs (for additional space); and lockable storage compartments around the vehicles perimeter. This unit also offers a 25kW diesel generator as a backup to the roof mounted solar panels, and a custom compartment for battery storage. The new command vehicle is a drivable unit requiring less resources for deployment.



Passenger Side



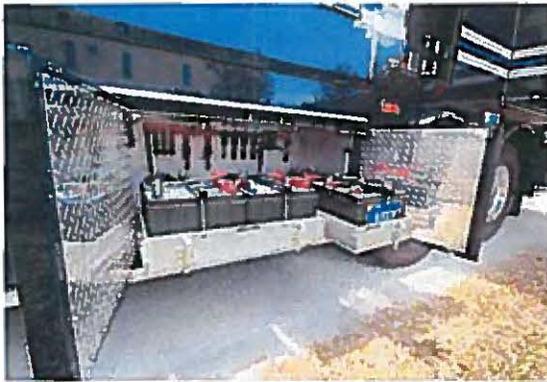
Driver Side



Exterior Monitor/Command Center



Rear of Vehicle



Custom Battery Storage



Front of Vehicle

6.0 Grant Information/Opportunities

6.0 GRANT INFORMATION / OPPORTUNITIES

6.1 Grant Information

It is recommended that the Town of Trumbull apply for various grants to cover the cost of the new mobile command center and its respective components. It is estimated that the Town of Trumbull will have access to an excess of 15 grant funding options available.

6.1.1 State of Connecticut Grants

The state of Connecticut offers the following grants:

- Emergency Management Performance Grant (EMPG)
- Homeland Security Grant Program (HSGP)

These grants can assist the Town of Trumbull in purchasing visual display monitors, tablets, smart phones, physical access security systems, generators, and camera systems for the vehicle.

6.1.2 Federal Emergency Management Agency (FEMA) Grant

The Federal Emergency Management Agency provides a grant opportunity to invest in vehicles under the United States Fire Administration.

- Assistant to Firefighter Grant

This grant can assist the Town of Trumbull in purchasing the vehicle, radio systems, and various types of interoperability equipment.

6.1.3 U.S. Environmental Protection Agency (EPA)

The United States Environmental Protection Agency (EPA) offers various grants to assist communities and organizations in implementing alternative energy efforts. These grants can assist the Town of Trumbull in paying for the solar panels, interior lighting, and vehicle cost.



Expanding on Frontline's most popular command vehicle design, the C-40 series, the C-45X-4 Custom Chassis is Frontline's largest self-propelled vehicle with over 365 square feet and includes three entryways. This vehicle features four 8' slide-out sections that allow for maximum work space in the operations area and comfort in the conference area. This vehicle is fully customized and outfitted with a variety of premium vehicle options and sophisticated communications equipment.

The Fairfax County Police Department's C-45X-4 Incident Command Vehicle features a Pierce® Velocity custom chassis with a 37' custom body. The rear operations area has conference table seating for six, three workstations and additional bench seating. The forward conference area includes conference table seating for six, two additional workstations, a galley area and a dedicated communications control room. All workstations include voice, video, data and individual video routing capabilities.

A division of



Vehicle Profile

- Fairfax County Police Dept. C-45X-4



Vehicle Features

- Pierce® Velocity Custom Chassis
- 125" Completely smooth aluminum skin
- Four (4) Medium 8' slide outs
- Five (5) Roof top air conditioners
- 25kW Diesel Generator housed in a custom compartment engineered for maximum air flow and insulated for quiet operation.
- Fold-out step compartments (side & rear) with NFPA diamond plate and LED lighting
- Battery and charger compartment with batteries in heavy duty slide out trays
- Custom built power system and laser-etched power panel
- Three full-height equipment racks
- Custom Whelen emergency lighting and siren package
- Zico folding Quik-Ladder installed on rear
- Four (4) 18' electric awnings
- Two (2) 42" heavy-duty Will-Burl masts
- Custom paint and graphics
- Warranty: 10 year Body, 5 year Fabricated Parts, 5 year Paint, 3 year Electrical



Interior Options

- Slide outs configured with flat (front) and raised (rear) floors
- AC & DC power panels located at entry door
- LED interior lighting in ceiling, under cabinets, and at workstations
- Galley: microwave, refrigerator, coffee maker with upper and lower storage cabinets
- C-Tech custom aluminum cabinets

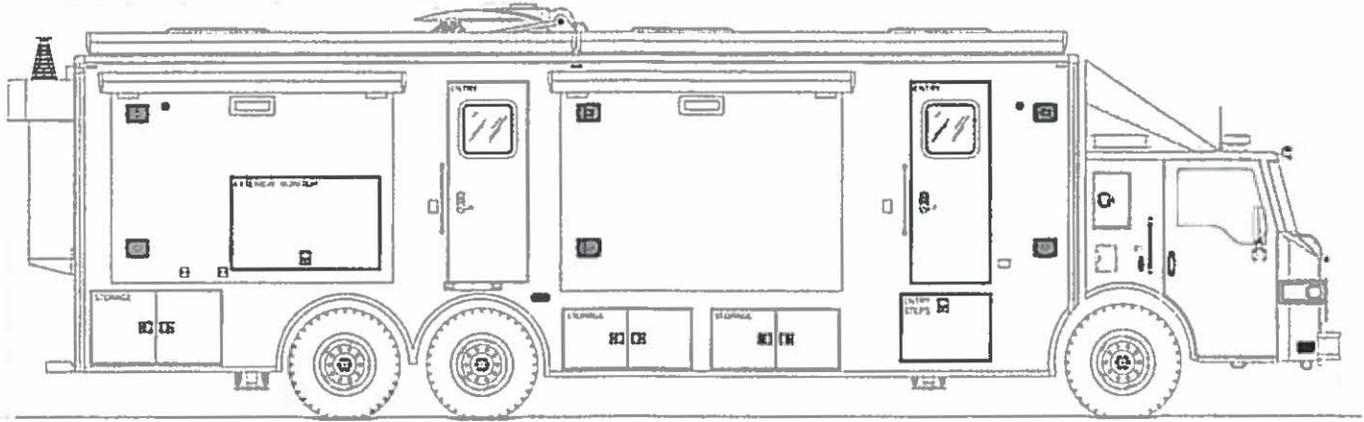


Systems Equipment

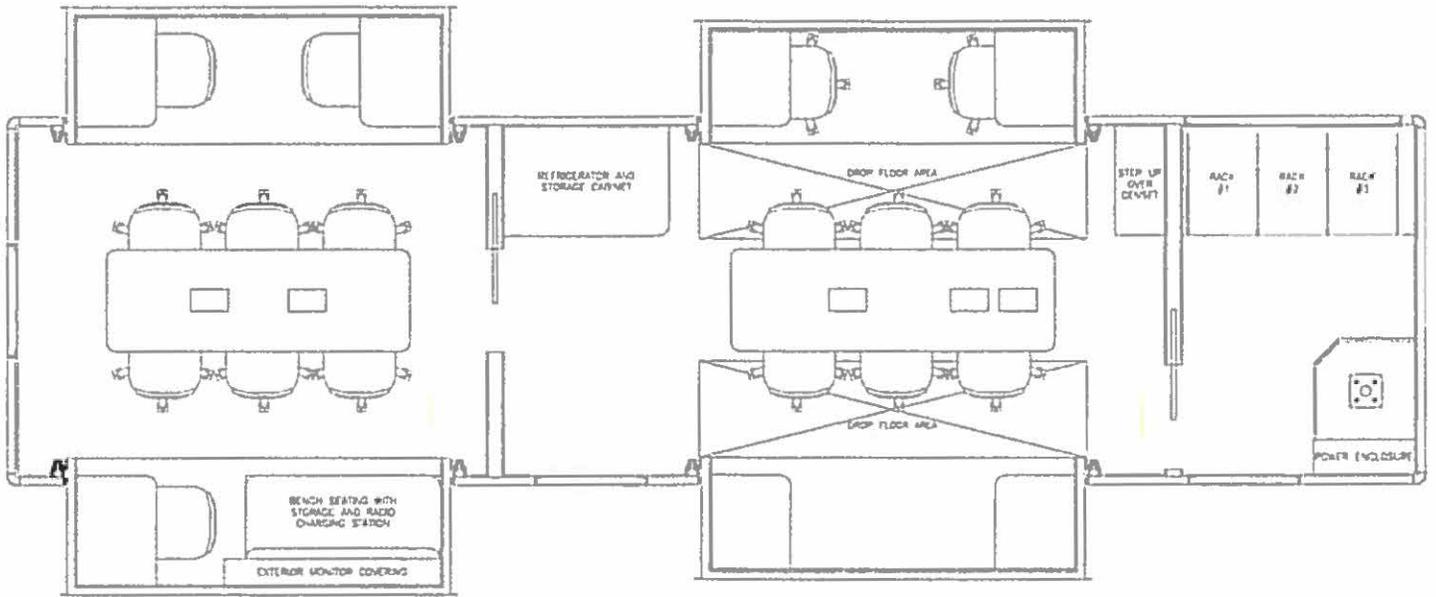
- Crestron AV routing system- route any audio or video to any or all areas of vehicle using intuitive touch panels
- Remote hookups at I/O panels to feed any signal into AV routing system
- Helicopter downlink- real time aerial view direct to the on-scene commander via Irf-band microwave receive system
- Wireless mesh network- enhances interoperability for incident command by connecting all command vehicles together wirelessly
- VPN into the county network through a Satellite Data Network- allows for thin clients to perform directly with county servers
- Rear section is dispatch, recorded interview room, and crisis negotiation platform when the kit is deployed
- Commander can conduct a briefing from the command room and it can be viewed on outside monitor and a two-way conversation can ensue
- Dual band radios throughout truck
- Radio and workstation connections at outside monitor allows scene control from outside the truck
- Lighting mast to enhance scene at night
- Day/night and thermal mast cameras combine with day/night perimeter cameras for full 360-degree area surveillance
- Camera NVR ties into larger system via mesh network allowing remote viewing of all camera assets at scene with multi image workstation to display key viewpoints for command review and monitoring
- Video presentation system with touch panels for remote collaboration and map annotation
- Full data and voice connectivity via hardline and multiple wireless channels (cell, satellite, wireless bridge)
- Dual networks for both secure and unsecure data connectivity
- Dual renderers for connectivity with tablets allowing future drone routability
- Local and satellite TV available throughout vehicle
- IP PBX with remote survivability and call manager combination with five-digit dialing out to county phone system is complimented by cellular, satellite, and landline phones
- Physical security with card readers at all points of egress



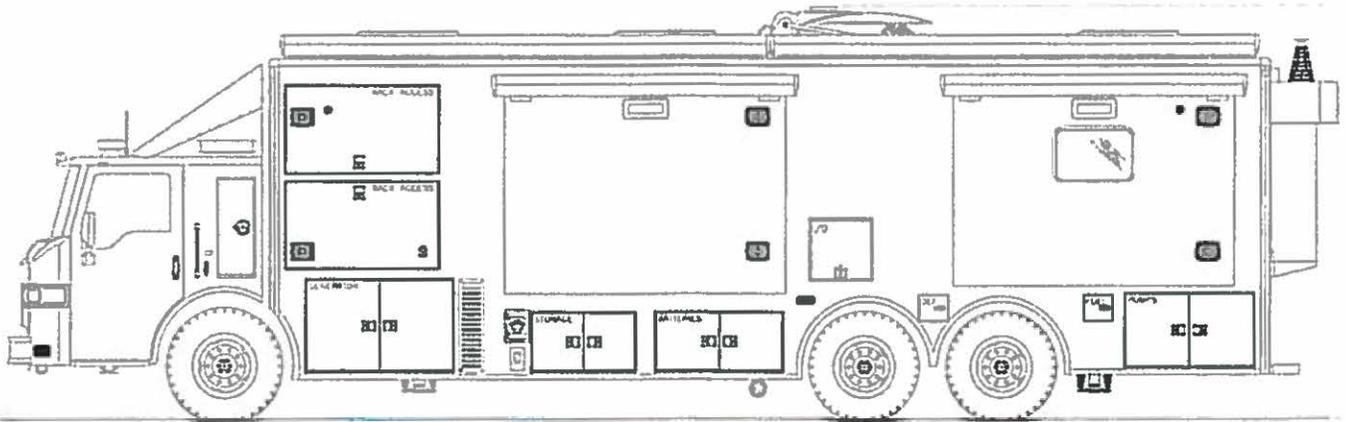
160 1/2
[17'-4 1/2"]



517 [47'-4"]



162 1/2
[17'-4 1/2"]



522 [47'-4"]

FRONTLINE
COMMUNICATIONS

Frontline Communications, a division of Pierce Manufacturing, Inc.
12770 44th Street North, Clearwater, FL 33762
Tel (727) 573-0400 Fax (727) 571-3295 Email sales@frontlinecomm.com

www.frontlinecomm.com
ISO 9001:2008

Specifications, descriptions and illustrative material in this literature are as accurate as known at the time of publication, but are subject to change without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment. All measurements are nominal values.



©2017 Frontline Communications, a division of Pierce Manufacturing, Inc.
Registered trademarks and trademarks used herein are the properties of their respective owners.



**Fleet - HWY
Catch Basin Cleaner**



27 Washington Street
Westborough, MA 01581
phone: 800-338-7838
fax: 508-870-1731



7/1/2019

Fleet # 2

Attn : Mr.Doug Bogen
Town of Trumbull Hwy Dept
366 Church Hill Road
Trumbull, Ct. 06611

Stetco 950 " Hook " Catch Basin Cleaner Package:

13' Boom length --- two piece boom
Fail safe planetary winch line capacity -- mounted on heel of boom
2,000 lb Winch capacity
200 fpm Winch line speed
35' Reach below ground
2,860 lb Lift capacity @ 13'
4,130 lb Lift capacity @ 10'
8,260 lb Lift capacity @ 5'
Lift cylinder --- rod equipped w/ self aligning ball bushings
Rack and pinion rotation system -- 370 degree swing
Body dumping safety device
Boom up alarm in cab
Hook style short mast
Hook style single control panel
Stetco 15" Orange peel bucket
12' -- Skid and roller -- to match hook loader -- existing
Stetco 950 painted safety Orange -- # 0311

2--Frame locks -- installed
Hydraulic selector valve installed hydraulic system
Hydraulic manifold--pressure line.return line, elect
Hydraulic jumper hoses w/ quick disconnects
Rollers installed on body rear

Stetco 9' Debris body
All stainless steel body
5-- Yard capacity
24" High sides -- full perimeter
Splash shields -- full perimeter
Skids -- 7 Gauge stainless steel
Floor -- 3/16" Thick stainless steel floor --(one piece floor)
Tailgate -- stainless steel
Front panel -- stainless steel
Side braces -- heavy duty stainless steel

Stetco™

27 Washington Street
Westborough, MA 01581
phone: 800-338-7838
fax: 508-870-1731

L STREET
COLLABORATIVE
★ ★ ★ ★

Fleet # 2

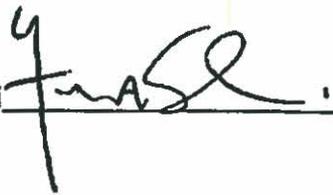
Tail-Gate – water tight
Tail-Gate lock—mechanical
Safety chains — 5/16"
Under body – 17 ton hoist –w/ double acting hoist cylinder
OSHA prop
2-----Oval flashers – LED amber color w/ switch in cab

Budget Price-----\$120,000.00

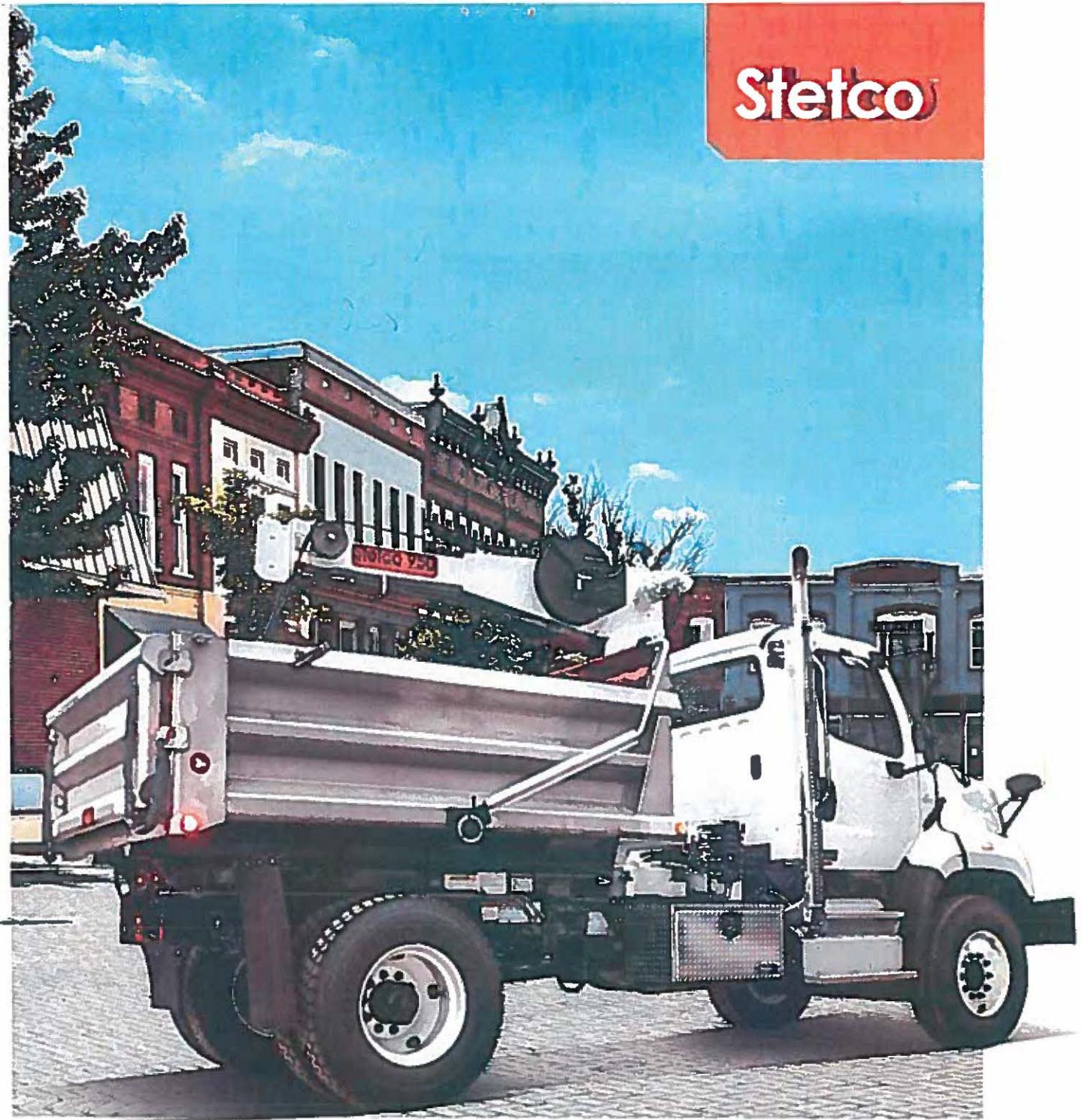
Terms : net 30 days
Shipping : FOB Wallingford, Ct.

PO # / Sign. _____

Date _____

Sincerely Yours, Frank Santucci  _____

Stetco



CATCH BASIN CLEANERS

920SP
950T SERIES
970T SERIES
BUCKETS
COMBINATION UNIT

\$110,000



When faced with cleaning challenging drainage infrastructure, today's municipalities have a powerful and cost-effective choice. Stetco™ catch basin cleaners (CBCs) are proven workhorses that easily handle large volumes of heavy, abrasive, and tough-to-handle debris — saving your expensive vacuum trucks and room in your budget.

Equipped with rugged hydraulic clamshell or orange peel buckets, Stetco CBCs provide a dependable stand-alone solution or make the perfect complement to your vacuum trucks. Stetco CBCs support your vac-trucks — and your bottom line — by handling the large, unwieldy debris that wears out, slows down, or breaks down vac-trucks. The durable performance of Stetco CBCs extends the life of your vac-trucks and reduces repair costs while allowing vac-trucks to do what they do best.

Versatile Stetco CBCs are ideal for all climates and can maintain a variety of drainage infrastructure, including catch basins, culverts, trash racks, weirs, lift stations, and other structures. Stetco CBCs can even serve as a dump truck and be outfitted for winter snow and ice control, making them a versatile choice for cost-conscious municipalities.

Municipalities operating Stetco CBCs cite specific benefits, including:

- Easy handling of heavy, awkward debris.
- Higher uptime through simple, dependable technology.
- Fewer dump runs due to Stetco buckets squeezing out water and loading solid debris.
- Significantly lower costs to purchase, operate, maintain and repair than alternatives.
- Fast, efficient removal of heavy volumes of debris.
- Cost-effective compliance with EPA stormwater mandates.
- The ability to lift and load solid debris without adding water.
- Quiet operation that will not bother residents and bystanders.

PROVEN POWER FOR YOUR BASIN CLEANING CHALLENGES





Stetco buckets allow high-volume debris removal in minimum time.

From orange peel buckets to rectangular or round clamshell buckets, there is a range of models and sizes to accommodate different catch basin dimensions. All Stetco buckets hydraulically squeeze debris to remove unwanted liquid — which means you haul only the debris, not the liquid.



The versatility of a Stetco unit is perfect for smaller municipalities on a tight budget.

In addition to cleaning catch basins, a Stetco unit can act as a dump truck and can be outfitted to double as a snowplow and road sander for work during the winter months. An optional hydraulic tool interface allows you to operate tools like sump pumps, paving breakers, and chainsaws at the job site.



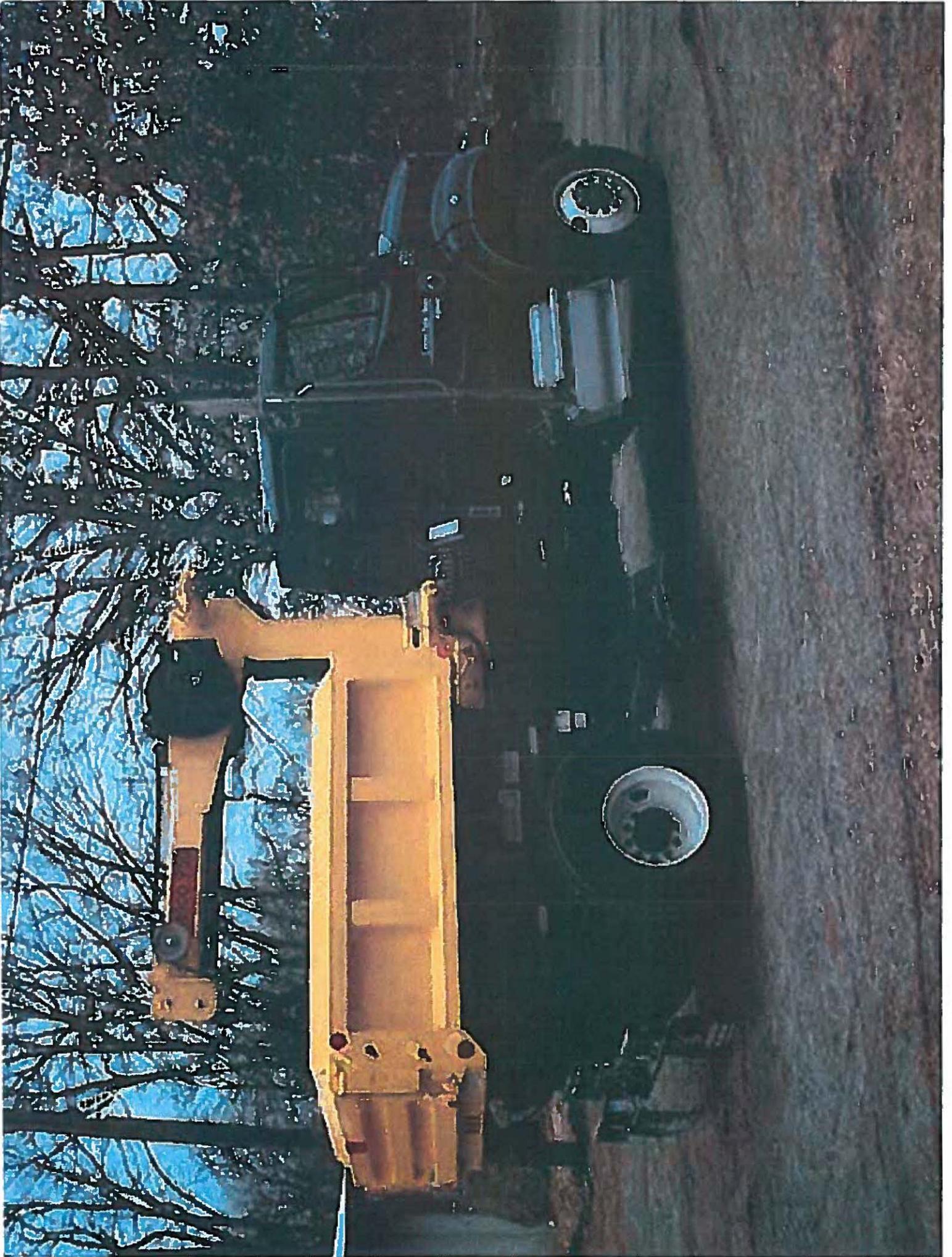
Quiet operation allows you to work in urban environments without bothering bystanders or residents.

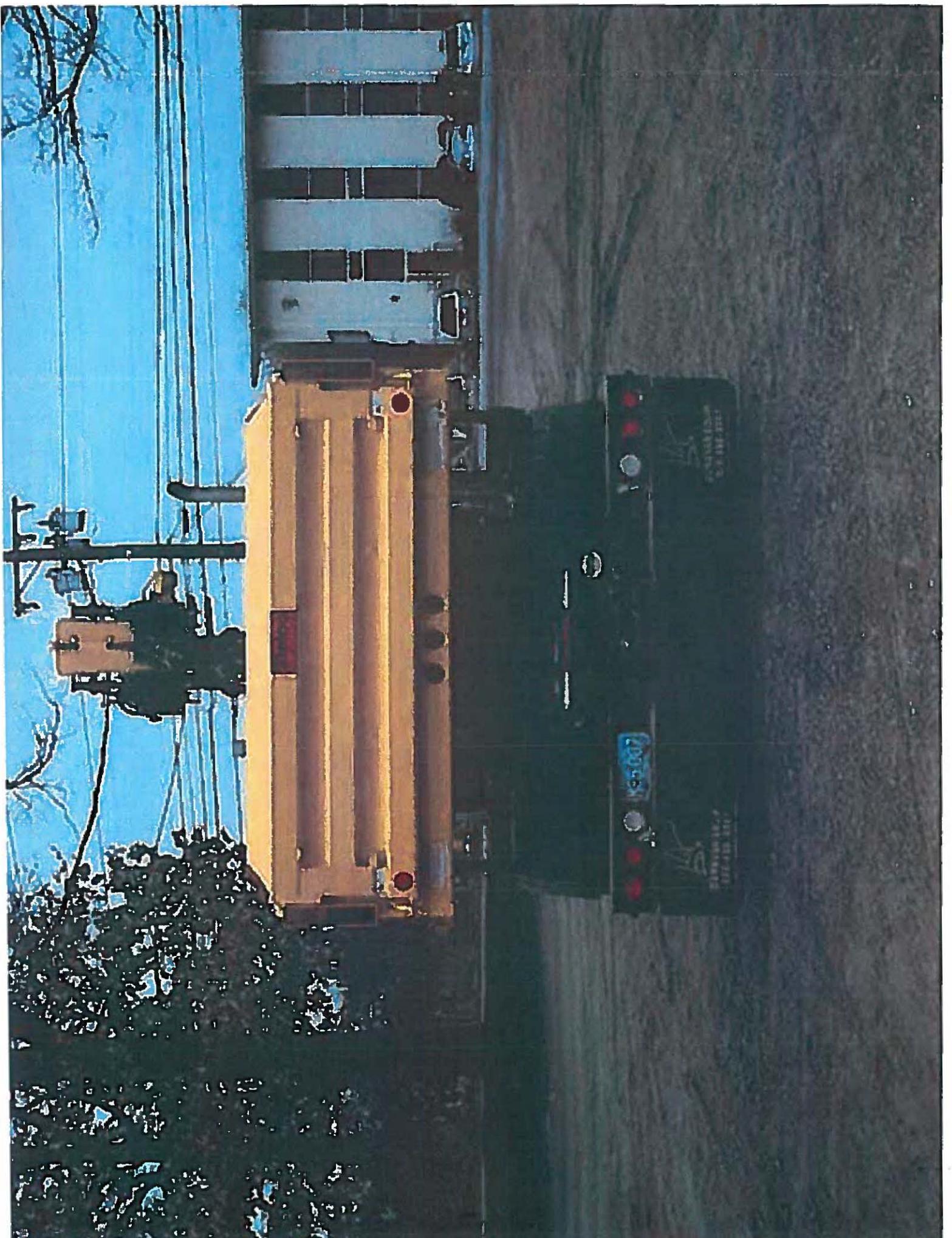
A watertight debris container with full-perimeter splash guard stores 7 cu yd (5.4 m³) of material on a single-axle chassis. Quick setup and a stowable boom allow you to move from job to job quickly and efficiently.

SPECIFICATIONS

General	920SP	950T/13	970T2/15
Clear mounting space behind cab	36" (91 cm)	36" (91 cm)	36" (91 cm)
Std. travel height w/hose reel (approx.)	9' (2.7 m)	11' (3 m)	11' (3.35 m)
Aboveground lift height (std.)	21' (6.4 m) max.	21' (6.4 m) max.	21' (6.4 m) max.
Reach below ground (std.)	35' (10.6 m)	35' (10.6 m)	35' (10.6 m)
Installed weight (approx.)	3,000 lb (1,361 kg)	3,700 lb (1,678 kg)	3,900 lb (1,769 kg)
Rotation (std.)	200°	200° or 370°	200° or 370°
Lifting capacities (w/ boom)	2,000 lb (907 kg) @ 14' (4.3 m) 5,700 lb (2,586 kg) @ 5' (1.5 m)	2,850 lb (1,293 kg) @ 13' (4.0 m) 8,260 lb (3,746 kg) @ 5' (1.5 m)	2,250 lb (1,021 kg) @ 15' (4.6 m) 8,250 lb (3,742 kg) @ 5' (1.5 m)
Winch lifting capacity (full drum)	2,000 lb (907 kg)	2,000 lb (907 kg)	2,000 lb (907 kg)
Winch line speed	200 fpm (60.9 m/min.)	250 fpm (76.2 m/min.)	250 fpm (76.2 m/min.)
Working pressure	2,050 psi (141 bar)	2,050 psi (141 bar)	2,050 psi (141 bar)
Typical pump capacity	13 gpm (49 L/min)	13 gpm (49 L/min)	13 gpm (49 L/min)
Tank capacity	25 gal (95 L)	37 gal (140 L)	37 gal (140 L)
Retracted boom length	8' (2.44 m)	8' (2.44 m)	7' (2.13 m)
Extended hydraulic boom length	14' (4.3 m)	13.5' (4.1 m)	15' (4.6 m)

Minimum Truck Specifications			
GVWR	19,500 lb (8,845 kg)	33,000 lb (14,969 kg) 35,000 lb (15,876 kg) w/ JetPac	33,000 lb (14,969 kg) 35,000 lb (15,876 kg) w/ JetPac
Front axle	7,000 lb (3,175 kg)	12,000 lb (5,443 kg)	12,000 lb (5,443 kg)
Rear axle	14,700 lb (6,350 kg)	21,000 lb (9,526 kg) 23,000 lb (10,433 kg) w/ JetPac	21,000 lb (9,526 kg) 23,000 lb (10,433 kg) w/ JetPac
Cab to axle	84" (213 cm) for CBC with 10' (3 m) body.	108" (274 cm) for CBC with 10' (3 m) body. 120" (305 cm) for CBC with JetPac and 8' (2.44 m) body	108" (274 cm) for CBC with 10' (3 m) body. 120" (305 cm) for CBC with JetPac and 8' (2.44 m) body
Min. RBM		1,650,000	1,650,000





Fleet - HWY Crane Truck

2017 Kenworth T270



Price: \$143,932

Fleet# 3

Specification

Year: 2017
Make: KENWORTH
Model: T270
Class: CLASS 7 (GVW 26001 - 33001)
Category: Crane Truck
Cab Type: STANDARD CAB
Engine Make: PACCAR
Engine Size: 6.7L

[▼ More](#)



Fleet HWY Rubber Tire Loader

Fleet # 4

CONTRACT SUPPLEMENT
RFP-37 Rev. 11/22/16
Prev. Rev. 4/28/14

Patrick DeConti
Contract Team Leader

860-713-5061
Telephone Number

STATE OF CONNECTICUT

DEPARTMENT OF ADMINISTRATIVE SERVICES
PROCUREMENT DIVISION
450 Columbus Boulevard, Hartford, CT 06103

CONTRACT AWARD NO.:	16PSX0151
Contract Award Date:	25 November 2016
SUPPLEMENT DATE:	4 December 2018

Rubber tire loader

CONTRACT AWARD SUPPLEMENT #1
IMPORTANT: THIS IS NOT A PURCHASE ORDER. DO NOT PRODUCE OR SHIP WITHOUT AN AGENCY PURCHASE ORDER.

DESCRIPTION: 2.5 Cubic Yard Capacity, Diesel Powered, All Wheel Drive Loaders

FOR: Department of Administrative Services and Department of Transportation		TERM OF CONTRACT: 1 November 2016 through 31 May 2021	
AGENCY REQUISITION NUMBER:			
CHANGE TO IN STATE (NON-SB) CONTRACT VALUE	CHANGE TO DAS-CERTIFIED SMALL BUSINESS CONTRACT VALUE	CHANGE TO OUT OF STATE CONTRACT VALUE	CHANGE TO TOTAL CONTRACT AWARD VALUE
n/a			n/a

NOTICE TO CONTRACTORS: This notice is not an order to ship. Purchase Orders against contracts will be furnished by the using agency or agencies on whose behalf the contract is made. INVOICE SHALL BE RENDERED DIRECT TO THE ORDERING AGENCY.

NOTE: Dollar amounts listed next to each contractor are possible award amounts, however, they do not reflect any expected purchase amounts (actual or implied). They are for CHRO use only.

NOTICE TO AGENCIES: A complete explanatory report shall be furnished promptly to the Procurement Manager concerning items delivered and/or services rendered on orders placed against awards listed herein which are found not to comply with the specifications or which are otherwise unsatisfactory from the agency's viewpoint, as well as failure of the contractor to deliver within a reasonable period of time specified. Please issue orders and process invoices promptly.

CASH DISCOUNTS: Cash discounts, if any, shall be given SPECIAL ATTENTION, but such cash discount shall not be taken unless payment is made within the discount period.

PRICE BASIS: Unless otherwise noted, prices include delivery and transportation charges fully prepaid f.o.b. agency. No extra charge is to be made for packing or packages.

CONTRACTOR INFORMATION:

REFER TO THE CONTRACT ON THE DAS PROCUREMENT WEB PAGE FOR THE MOST CURRENT CONTRACTOR INFORMATION. (<http://das.ct.gov/mol.aspx?page=8>)

Company Name: **W.I. Clark Company**
Company Address: **30 Barnes Industrial Park Road, Wallingford, CT 06492**
Tel. No.: **203-265-6781** Fax No.: _____ Contract Value: **\$4,000,000.00**
Contact Person: **Jerry DeRubbo** Delivery: See Exhibit B
Company E-mail Address : jderubbo@wiclark.com
Certification Type : **None** Agrees to Supply Political SubDivisions: **Yes**
Prompt Payment Terms: **0% 00 Net 45**

PLEASE NOTE:

DAS has approved a model year price increase effective Tuesday December 4, 2018. Please see Exhibit B Supplement one for current pricing (overleaf).

All terms and conditions not otherwise affected by this supplement remain unchanged and in full force and effect.

APPROVED _____

PATRICK DECONTI
Contract Team Leader
(Original Signature on Document in Procurement Files)

Contractors Name: W.I. Clark Company				
Page 1 OF 1				
ITEM #	DESCRIPTION OF COMMODITY AND/OR SERVICES	DELIVERY TIME A.R.O.	UNIT OF MEASURE	UNIT PRICE
1.	2.5 Cubic Yard All Wheel Drive Loader Manufacturer: <u>John Deere</u> Model: <u>524L</u>	45 days	each	<u>\$162,152.000</u>
2.	Percentage off MSRP of All Wheel Drive Loaders specifically listed.			444L 32 % off 524L 36% off 544L 35% off 624L 36% off 644L 33% off
3.	<u>Attachment:</u> Grapple Unit with Cab protection	45 days	each	<u>\$13,815.00</u>
4.	<u>Attachment:</u> Side tip bucket (Tip to Right Side)	45 days	each	<u>\$11,094.00</u>
5.	<u>Attachment:</u> Loadrite L2180 standalone scale installed			<u>\$9,610.00</u>
6.	<u>Attachment:</u> Loadrite LP950 industrial printer			<u>\$1,302.33</u>
7.	Percent Discount Off MSRP for Attachments and Accessories not specifically listed			<u>15 % off</u>
8.	Percent Discount Off MSRP for OEM Repair Parts			<u>12 % off</u>
9.	Hourly Shop Labor Rate			<u>128.00 HR.</u>

\$163,000 base price 2019
\$171,150 (2.5% increase per year for two years until 2022 when equipment will be purchased once CIP 2021 is funded)
\$179,708 (2.5% increase per year for two years until 2023)

Fleet HWY Telehandler

Select Language Powered by  Translate

Fleet# 5



CONTACT US

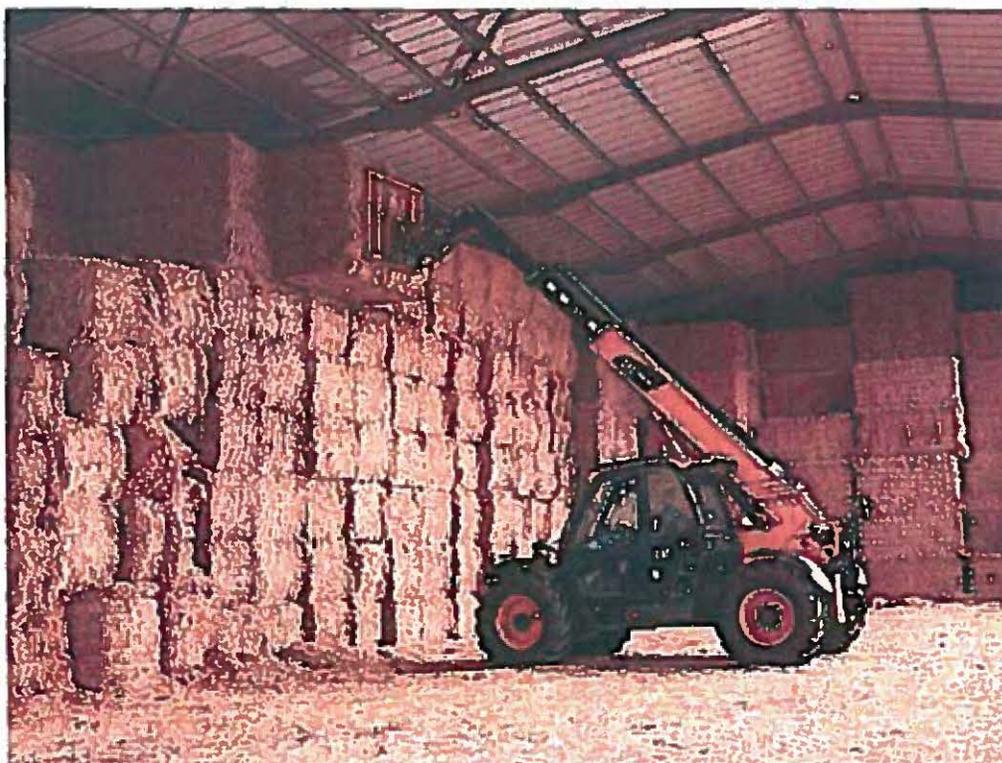
LOCATIONS

HOME / NEW / TELEHANDLERS / TH3510D AG HANDLER

\$80,000

TH3510D AG HANDLER

ENGINE MODEL	Cat C3.4B
OPERATING WEIGHT - WITH CARRIAGE AND FORKS*	20170 lb
RATED LOAD CAPACITY	7700 lb
MAXIMUM LIFT HEIGHT	32.1 ft



Option (4)	Michelin 440/80 24 Power CL	
Option (5)	Michelin 400/80 24 Power CL	
Option (6)	Michelin 460/70 R24 Bibload	Fleet# 5
Option (7)	Firestone Duraforce	
Option (8)	13 x 24 Solid Tires	

HYDRAULIC SYSTEM

System Type	Load Sensing, Closed Center
Pump Type	Variable Flow, Axial Piston
Auxiliary Hydraulic Flow - Boom Head - Continuous	25gal/min
Auxiliary Hydraulic Flow - Boom Head - Intermittent	25gal/min
Auxiliary Hydraulic Flow - Machine Rear	21gal/min
Auxiliary Hydraulic Pressure	3553psi
Maximum Pump Capacity	36.9gal/min
System Pressure	3770psi

SERVICE REFILL CAPACITIES

Fuel Tank	40gal (US)
Diesel Exhaust Fluid	5gal (US)
Hydraulic Tank	31.7gal (US)

BOOM PERFORMANCE

Maximum Fork Crowd Angle	24°	Fleet# 5
Maximum Fork Dump Angle	128°	
Note	*Add 200 mm (7.9 in) for beacon. Add 40 mm (1.6 in) for top guard.	
Overall Height - Standard Tires*	8.1ft	
Overall Length to Front of Carriage	17.4ft	
Overall Width - Standard Tires	7.8ft	
Overhang	3.3ft	
Track	6.5ft	
Wheel Base	10.3ft	

ELECTRICAL

Alternator Output	12V/150A
Battery	1 × 12V 1,000 CCA Battery

ENGINE - OPTION 1

Bore	4.1in
Displacement	269in ³
Emissions	*Meets U.S. EPA Tier 4 Final emission standards.
Gross Power	93 kW (124 hp/bhp)
Maximum Torque	391 ft·lbf
Model*	Cat C4.4 ACERT™
Stroke	5in

Drawbar Pull - 83 kW/111.3 hp Engine	20682lbf
Drawbar Pull - 92.6 kW/124.1 hp Engine	19783lbf
Noise Levels - External	106dB(A)
Noise Levels - In Cab	74dB(A)
Quick Coupler Rotation	152°
Towable Mass - Hydraulically Braked	26455lb

Fleet#5

TRANSMISSION*

Forward - 1	3.4mile/h
Forward - 2	5.3mile/h
Forward - 3	6.9mile/h
Forward - 4	10.3mile/h
Forward - 5	15.7mile/h
Forward - 6	24.9mile/h
Note	*Travel speed is subject to machine configuration.
Reverse - 1	3.4mile/h
Reverse - 2	6.9mile/h
Reverse - 3	15.7mile/h
Type	Cat PG124 six speed power shift

Highway Rolloff Truck

Douglas Bogen

Fleet #8

From: Greg Martinotti <greg@freightlinerofhartford.com>
Sent: Monday, November 4, 2019 3:29 PM
To: Douglas Bogen
Cc: Greg Martinotti
Subject: Roll-Off Proposal
Attachments: Stock tri axle roll off Proposal.docx

\$200,000

Importance: High

Doug,

Attached is pricing on a stock roll-off unit that we have here based on state contract.

I would factor extra money for model year increases in case this particular truck is no longer available by the time The Town is ready to pull the trigger.

Thanks,

Greg Martinotti



222 Roberts Street
East Hartford, CT 06108
Phone: 860-559-9547
Fax: 860-610-6242
www.freightlinerofhartford.com



Prepared for:
Doug Bogen
Town of Trumbull
366 Church Hill Rd
Trumbull, CT 06611
Phone: 203-452-5143
Mobile: 203-650-8053
E-Mail: dbogen@trumbull-ct.gov



Prepared by:
Greg Martinotti
FREIGHTLINER OF HARTFORD
222 ROBERTS STREET
EAST HARTFORD, CT 06108
Phone: 860-559-9547
E-Mail: greg@fohct.com.com

Fleet #8

*A proposal for:
Town of Trumbull*

*Prepared by:
Freightliner of Hartford, Inc.*

November 4, 2019

**Freightliner 114SD
Per State Contract # 14PSX0239**



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

KK3030 tri axle roll off



11/4/2019 2:07 PM

Page 1 of 17

Prepared for:
 Doug Bogen
 Town of Trumbull
 366 Church Hill Rd
 Trumbull, CT 06611
 Phone: 203-452-5143
 Mobile: 203-650-8053
 E-Mail: dbogen@trumbull-ct.gov



Prepared by:
 Greg Martinotti
 FREIGHTLINER OF HARTFORD
 222 ROBERTS STREET
 EAST HARTFORD, CT 06108
 Phone: 860-559-9547
 E-Mail: greg@fohct.com.com

Fleet #8

QUOTATION
Per State Contract # 14PSX0239

114SD CONVENTIONAL CHASSIS

SET FORWARD AXLE - TRUCK
 DETROIT DD13 12.8L 450 HP @ 1625 RPM, 1900 GOV
 RPM, 1650 LB/FT @ 975 RPM
 EATON FULLER FO-16E308LL-VCS ULTRASHIFT PLUS
 TRANSMISSION
 RT-46-160 46,000# R-SERIES TANDEM REAR AXLE
 AIRLINER 46,000# REAR SUSPENSION
 DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP
 SINGLE FRONT AXLE
 20,000# FLAT LEAF FRONT SUSPENSION

114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL
 CAB
 6850MM (270 INCH) WHEELBASE
 7/16X3-9/16X11-1/8 INCH STEEL FRAME
 (11.11MMX282.6MM/0.437X11.13 (INCH) 120KSI
 1825MM (72 INCH) REAR FRAME OVERHANG
 1/4 INCH (6.35MM) C-CHANNEL INNER FRAME
 REINFORCEMENT
 HENDRICKSON SC20/SCO20 20,000# FL1 STEERABLE
 16.5X6 BRAKE INTEGRAL PUSHER AXLE

	PER UNIT	TOTAL
Item # 3A	\$ 119,650.00	\$ 119,650.00
Item # 3O	\$ 9,737.25	\$ 9,737.25
Item # 3Q	\$ 48,325.00	\$ 48,325.00
CUSTOMER PRICE BEFORE TAX	\$ 177,712.25	\$ 177,712.25

TAXES AND FEES

TAXES AND FEES	\$ 0	\$ 0
OTHER CHARGES	\$ 0	\$ 0

TRADE-IN

TRADE-IN	\$ (0)	\$ (0)
----------	--------	--------

BALANCE DUE	(LOCAL CURRENCY) \$ 177,712.25	\$ 177,712.25
--------------------	---------------------------------------	----------------------

COMMENTS:

- UNIT BEING PROPOSED ON A WHILE SUPPLY LASTS BASIS

APPROVAL:

Please indicate your acceptance of this quotation by signing below:

Customer: X _____ Date: ___ / ___ / ___.

KK3030 tri axle roll off



11/4/2019 2:07 PM

Prepared for:
Doug Bogen
Town of Trumbull
366 Church Hill Rd
Trumbull, CT 06811
Phone: 203-452-5143
Mobile: 203-650-8053
E-Mail: dbogen@trumbull-ct.gov



Prepared by:
Greg Martinotti
FREIGHTLINER OF HARTFORD
222 ROBERTS STREET
EAST HARTFORD, CT 06108
Phone: 860-559-9547
E-Mail: greg@fohcl.com.com

Fleet #8

SPECIFICATION PROPOSAL

Description

Vehicle Configuration

114SD CONVENTIONAL CHASSIS
2019 MODEL YEAR SPECIFIED
SET FORWARD AXLE - TRUCK
STRAIGHT TRUCK PROVISION
LH PRIMARY STEERING LOCATION

General Service

TRUCK CONFIGURATION
DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)
REFUSE SERVICE
SANITATION BUSINESS SEGMENT
DRY BULK COMMODITY
TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
MAXIMUM 8% EXPECTED GRADE
SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
FREIGHTLINER LEVEL II WARRANTY
EXPECTED FRONT AXLE(S) LOAD: 20000.0 lbs.
EXPECTED REAR DRIVE AXLE(S) LOAD: 46000.0 lbs.
EXPECTED PUSHER AXLE(S) LOAD: 20000.0 lbs.
EXPECTED GROSS VEHICLE WEIGHT CAPACITY: 86000.0 lbs.

Truck Service

ROLL OFF
EXPECTED TRUCK BODY LENGTH: 22.0 ft
GALFAB

Engine

DETROIT DD13 12.8L 450 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB/FT @ 975 RPM

Electronic Parameters

70 MPH ROAD SPEED LIMIT



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Fleet #8

Description

CRUISE CONTROL SPEED LIMIT SAME AS ROAD
SPEED LIMIT, WITH AUTO RESUME AFTER
SHIFT
15 MINUTES IDLE SHUTDOWN WITH CLUTCH
AND SERVICE BRAKE OVERRIDE
PTO MODE ENGINE RPM LIMIT - 1300 RPM
PTO RPM WITH CRUISE SET SWITCH - 900 RPM
PTO RPM WITH CRUISE RESUME SWITCH - 900
RPM
PTO MODE RPM INCREMENT - 100 RPM
ONE REMOTE PTO SPEED
PTO SPEED 1 SETTING - 1300 RPM
PTO MINIMUM RPM - 900
ENABLE AUTO ENGINE RPM ELEVATE FOR
EXTENDED IDLE

Engine Equipment

2016 ONBOARD DIAGNOSTICS/2010
EPA/CARB/FINAL GHG17 CONFIGURATION
2008 CARB EMISSION CERTIFICATION - CLEAN
IDLE (INCLUDES 6X4 INCH LABEL ON LOWER
FORWARD CORNER OF DRIVER DOOR)
STANDARD OIL PAN
ENGINE MOUNTED OIL CHECK AND FILL
ONE PIECE VALVE COVER
SIDE OF HOOD AIR INTAKE WITH DONALDSON
HIGH CAPACITY AIR CLEANER WITH SAFETY
ELEMENT, FIREWALL MOUNTED
DR 12V 160 AMP 28-SI QUADRAMOUNT PAD
ALTERNATOR WITH REMOTE BATTERY VOLT
SENSE
(3) ALLIANCE MODEL 1231XOE, GROUP 31, 12
VOLT MAINTENANCE FREE 3375 CCA
THREADED STUD BATTERIES
BATTERY BOX FRAME MOUNTED
STANDARD BATTERY JUMPERS
SINGLE BATTERY BOX FRAME MOUNTED LH
SIDE UNDER CAB
WIRE GROUND RETURN FOR BATTERY CABLES
WITH ADDITIONAL FRAME GROUND RETURN
NON-POLISHED BATTERY BOX COVER



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Fleet #8

Description

POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT
EATON FULLER ECA CLUTCH
ZERK FITTING WITH EXTENSION HOSE AT CLUTCH RELEASE BEARING
ELECTRONIC CLUTCH CONTROL
BW MODEL BA-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE
ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM
JACOBS COMPRESSION BRAKE
RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH
11 FOOT 00 INCH (132 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT
STANDARD CURVE BRIGHT UPPER STACK(S)
RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP
13 GALLON DIESEL EXHAUST FLUID TANK
100 PERCENT DIESEL EXHAUST FLUID FILL
STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING
NON-POLISHED ALUMINUM DIESEL EXHAUST FLUID TANK COVER
LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION
STANDARD DIESEL EXHAUST FLUID TANK CAP
STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD
BORG WARNER (KYSOR) REAR AIR ON/OFF ENGINE FAN CLUTCH
AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON-ENGINE MOUNTED
DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR



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Fleet #8

Description

FULL FLOW OIL FILTER
1500 SQUARE INCH ALUMINUM RADIATOR
MOUNTING FOR FIREWALL MOUNTED SURGE
TANK
ANTIFREEZE TO -34F, OAT (NITRITE AND
SILICATE FREE) EXTENDED LIFE COOLANT
GATES BLUE STRIPE COOLANT HOSES OR
EQUIVALENT
CONSTANT TENSION HOSE CLAMPS FOR
COOLANT HOSES
HDEP FIXED RATIO COOLANT PUMP AND
RADIATOR DRAIN VALVE
PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK
HEATER
BLACK PLASTIC ENGINE HEATER RECEPTACLE
MOUNTED UNDER LH DOOR
MITSUBISHI 12V MOD 3.175-DP60 STARTER
WITH INTEGRATED MAGNETIC SWITCH

Transmission

EATON FULLER FO-16E308LL-VCS ULTRASHIFT
PLUS TRANSMISSION

Transmission Equipment

DIRECTION CHANGE ENABLED WITH
MULTIPLXED SERVICE BRAKES - ALLISON 5TH
GEN TRANSMISSIONS
VEHICLE INTERFACE WIRING CONNECTOR
WITHOUT BLUNT CUTS, AT BACK OF CAB
ELECTRONIC TRANSMISSION CUSTOMER
ACCESS CONNECTOR FIREWALL MOUNTED
ALUMINUM CLUTCH HOUSING
CHELSEA PTO - CHL489XLAHX V3AF
PTO MOUNTING, BOTTOM OF MAIN
TRANSMISSION
MAGNETIC PLUGS, ENGINE DRAIN,
TRANSMISSION FILL AND DRAIN, AXLE(S) FILL
AND DRAIN
SMARTSHIFT, ELECTRONIC SHIFT CONTROL,
STEERING COLUMN MOUNTED
WATER TO OIL TRANSMISSION COOLER, IN
RADIATOR END TANK
SYNTHETIC TRANSMISSION LUBE

Front Axle and Equipment

KK3030 tri axle roll off



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Fleet #8

Description

DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74
DROP SINGLE FRONT AXLE
MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT
BRAKES, DOUBLE ANCHOR, FABRICATED
SHOES
NON-ASBESTOS FRONT BRAKE LINING
CONMET CAST IRON FRONT BRAKE DRUMS
FRONT BRAKE DUST SHIELDS
FRONT OIL SEALS
VENTED FRONT HUB CAPS WITH WINDOW,
CENTER AND SIDE PLUGS - OIL
STANDARD SPINDLE NUTS FOR ALL AXLES
MERITOR AUTOMATIC FRONT SLACK
ADJUSTERS
STANDARD KING PIN BUSHINGS
TRW THP-60 POWER STEERING WITH RCH45
AUXILIARY GEAR
POWER STEERING PUMP
4 QUART POWER STEERING RESERVOIR
OIL/AIR POWER STEERING COOLER
SYNTHETIC 75W-90 FRONT AXLE LUBE

Front Suspension

20,000# FLAT LEAF FRONT SUSPENSION
GRAPHITE BRONZE BUSHINGS WITH SEALS -
FRONT SUSPENSION
FRONT SHOCK ABSORBERS

Rear Axle and Equipment

RT-46-160 46,000# R-SERIES TANDEM REAR
AXLE
4.10 REAR AXLE RATIO
IRON REAR AXLE CARRIER WITH STANDARD
AXLE HOUSING
MXL 18T MERITOR EXTENDED LUBE MAIN
DRIVELINE WITH HALF ROUND YOKES
MXL 17T MERITOR EXTENDED LUBE
INTERAXLE DRIVELINE WITH HALF ROUND
YOKES
(1) INTERAXLE LOCK VALVE FOR TANDEM OR
TRIDEM DRIVE AXLES



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Fleet #8

Description

BLINKING LAMP WITH EACH INTERAXLE LOCK SWITCH, INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF
MERITOR 16.5X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
NON-ASBESTOS REAR BRAKE LINING
BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S) WITH AUXILIARY SUPPORT BRACKETS
CONMET CAST IRON REAR BRAKE DRUMS
REAR BRAKE DUST SHIELDS
REAR OIL SEALS
WABCO TRISTOP D LONGSTROKE 2-DRIVE AXLE SPRING PARKING CHAMBERS
MERITOR AUTOMATIC REAR SLACK ADJUSTERS
SYNTHETIC 75W-90 REAR AXLE LUBE
STANDARD REAR AXLE BREATHER(S)

Rear Suspension

AIRLINER 46,000# REAR SUSPENSION
AIRLINER HIGH POSITION RIDE HEIGHT
WELDED AXLE SEATS SUPPLIED ON REAR AXLE
51 INCH AXLE SPACING
MANUAL DUMP VALVE FOR AIR SUSPENSION WITH GAUGE
INDICATOR LIGHT FOR EACH REAR SUSPENSION CONTROL SWITCH
SINGLE AIR REAR SUSPENSION LEVELING VALVE
TRANSVERSE CONTROL RODS
REAR SHOCK ABSORBERS - TWO AXLES (TANDEM) (AIR RIDE SUSPENSION)

Pusher / Tag Equipment

HENDRICKSON SC20 COMPOSILITE 20,000# AIR LIFT STEERABLE PUSHER SUSPENSION, 16.5X6 BRAKES AND FL1 AXLE
HENDRICKSON SC20/SCO20 20,000# FL1 STEERABLE 16.5X6 BRAKE INTEGRAL PUSHER AXLE



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Fleet #8

Description

(1) DASH VALVE AND (1) GAUGE FOR SINGLE LIFT AXLE
REVERSE LIFT AXLE WIRING WITH LAST STATE RETENTION WITH IGNITION OFF
(1) REGULATOR AND (1) GAUGE MOUNTED ON CHASSIS FOR SINGLE LIFT AXLE
HENDRICKSON 16.5X6 CAST SPIDER CAM PUSHER/TAG BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
NON-ASBESTOS PUSHER/TAG BRAKE LINING
CONMET CAST IRON PUSHER/TAG BRAKE DRUMS
PUSHER/TAG BRAKE DUST SHIELDS
PUSHER/TAG OIL SEALS
VENTED PUSHER/TAG HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL
HALDEX LONGSTROKE PUSHER/TAG AXLE SERVICE CHAMBERS
HALDEX AUTOMATIC PUSHER/TAG SLACK ADJUSTERS
HENDRICKSON SC20 COMPOSILITE 20,000# STEERABLE AIR LIFT PUSHER SUSPENSION
52 INCH AXLE SPACING PUSHER/TAG

Brake System

WABCO 4S/4M ABS WITH HILL START AID AND AUTOMATIC TRACTION CONTROL
REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES
FIBER BRAID PARKING BRAKE HOSE
STANDARD BRAKE SYSTEM VALVES
STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM
STD U.S. FRONT BRAKE VALVE
(2) 3-4.5 PSI RELAY VALVES, ONE FOR TANDEM AXLE AND ONE FOR PUSHER/TAG
WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER
AIR DRYER FRAME MOUNTED
STEEL AIR BRAKE RESERVOIRS
CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD

KK3030 tri axle roll off



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Fleet #8

Description

PULL CABLES ON ALL AIR RESERVOIR(S)

Trailer Connections

UPGRADED CHASSIS MULTIPLEXING UNIT

Wheelbase & Frame

6850MM (270 INCH) WHEELBASE
7/16X3-9/16X11-1/8 INCH STEEL FRAME
(11.11MMX282.6MM/0 437X11.13 INCH) 120KSI
1/4 INCH (6.35MM) C-CHANNEL INNER FRAME
REINFORCEMENT
1825MM (72 INCH) REAR FRAME OVERHANG
FRAME OVERHANG RANGE: 71 INCH TO 80
INCH
CALC'D BACK OF CAB TO REAR SUSP C/L (CA):
186.54 in
CALCULATED EFFECTIVE BACK OF CAB TO
REAR SUSPENSION C/L (CA): 183.54 in
CALC'D FRAME LENGTH - OVERALL: 358.87
CALC'D SPACE AVAILABLE FOR DECKPLATE:
186.54 in
CALCULATED FRAME SPACE LH SIDE: 71.14 in
CALCULATED FRAME SPACE RH SIDE: 126.82 in
SQUARE END OF FRAME
FRONT CLOSING CROSSMEMBER
STANDARD WEIGHT ENGINE CROSSMEMBER
STANDARD MIDSHIP #1 CROSSMEMBER(S)
STANDARD REARMOST CROSSMEMBER
HEAVY DUTY SUSPENSION CROSSMEMBER

Chassis Equipment

16.5 INCH CHROME STEEL STRAIGHT BUMPER
REMOVABLE FRONT TOW HOOKS STORED ON
THE CHASSIS FRAME
BUMPER MOUNTING FOR SINGLE LICENSE
PLATE
FENDER AND FRONT OF HOOD MOUNTED
FRONT M UDFLAPS
HUCK-SPIN ROUND COLLAR CHASSIS
FASTENERS SUSPENSIONS ONLY

Fuel Tanks



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Fleet #8

Description

100 GALLON/378 LITER ALUMINUM FUEL TANK -
LH
25 INCH DIAMETER FUEL TANK(S)
PLAIN ALUMINUM/PAINTED STEEL
FUEL/HYDRAULIC TANK(S) WITH POLISHED
STAINLESS-STEEL BANDS
FUEL TANK(S) FORWARD
PLAIN STEP FINISH
FUEL TANK FILLER NECK ANTI-SIPHON INSERT
FUEL TANK CAP(S)
EQUIFLO INBOARD FUEL SYSTEM
HIGH TEMPERATURE REINFORCED NYLON
FUEL LINE
FUEL COOLER MOUNTED LEFT HAND IN RAIL

Tires

MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL
FRONT TIRES
MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL
REAR TIRES
MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL
PUSHER/TAG TIRES

Hubs

CONMET PRESET PLUS PREMIUM IRON FRONT
HUBS
CONMET PRESET PLUS PREMIUM IRON REAR
HUBS
CONMET PRESET PLUS PREMIUM ALUMINUM
PUSHER/TAG HUBS

Wheels

ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB
PILOT 5.99 INSET ALUMINUM FRONT WHEELS
ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB
PILOT 5.99 INSET ALUMINUM REAR WHEELS
ACCURIDE 41012 22.5X9.00 10-HUB PILOT 3.12
INSET 10-HAND ALUMINUM DISC PUSHER/TAG
WHEELS
POLISHED FRONT WHEELS; OUTSIDE ONLY
POLISHED REAR WHEELS; OUTSIDE OF OUTER
WHEELS ONLY
POLISHED PUSHER/TAG WHEELS; BOTH SIDES
OF OUTER WHEELS ONLY



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Fleet #8

Description

Cab Exterior

114 INCH BBC FLAT ROOF ALUMINUM
CONVENTIONAL CAB
AIR CAB MOUNTING
NONREMOVABLE BUGSCREEN MOUNTED
BEHIND GRILLE
FRONT FENDERS
3-1/2 INCH FENDER EXTENSIONS
LH AND RH GRAB HANDLES
BRIGHT FINISH RADIATOR SHELL/HOOD BEZEL
STATIONARY BLACK GRILLE WITH BRIGHT
ACCENTS
CHROME HOOD MOUNTED AIR INTAKE GRILLE
FIBERGLASS HOOD
DUAL 26 INCH RECTANGULAR POLISHED
ALUMINUM AIR HORNS ROOF MOUNTED
DUAL ELECTRIC HORNS
DUAL HORN SHIELDS
ALL UNIT(S) KEYED ALIKE WITH CUSTOMER
SPECIFIED KEY NUMBER FT1040
REAR LICENSE PLATE MOUNT END OF FRAME
HALOGEN COMPOSITE HEADLAMPS WITH
BRIGHT BEZELS
LED AERODYNAMIC MARKER LIGHTS
HEADLIGHTS ON WITH WIPERS, WITH LOW
BEAM DAYTIME RUNNING LIGHTS
FREIGHTLINER LED FLANGE MOUNTED
STOP/TAIL/TURN LIGHTS WITH SEPARATE
BACKUP LIGHTS AND ADDITIONAL 7 FEET
WIRING END OF FRAME
STANDARD FRONT TURN SIGNAL LAMPS
(2) FLUSH UTILITY LIGHTS MOUNTED BACK OF
CAB/SLEEPER
DUAL WEST COAST BRIGHT FINISH HEATED
MIRRORS WITH LH AND RH REMOTE
DOOR MOUNTED MIRRORS
102 INCH EQUIPMENT WIDTH
LH AND RH 8 INCH BRIGHT FINISH CONVEX
MIRRORS MOUNTED UNDER PRIMARY
MIRRORS
STANDARD SIDE/REAR REFLECTORS



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Fleet #8

Description

RH AFTERTREATMENT SYSTEM CAB ACCESS
WITH PLAIN DIAMOND PLATE COVER
COMPOSITE EXTERIOR SUN VISOR
63X14 INCH TINTED REAR WINDOW
TINTED DOOR GLASS LH AND RH WITH TINTED
NON-OPERATING WING WINDOWS
RH AND LH ELECTRIC POWERED WINDOWS,
PASSENGER SWITCHES ON DOOR(S)
LOWER RH DOOR WINDOW WITH FRESNEL
LENS
TINTED WINDSHIELD
8 LITER WINDSHIELD WASHER RESERVOIR,
CAB MOUNTED, WITHOUT FLUID LEVEL
INDICATOR

Cab Interior

OPAL GRAY VINYL INTERIOR
MOLDED PLASTIC DOOR PANEL WITHOUT
VINYL INSERT WITH ALUMINUM KICKPLATE
LOWER DOOR
MOLDED PLASTIC DOOR PANEL WITHOUT
VINYL INSERT WITH ALUMINUM KICKPLATE
LOWER DOOR
BLACK MATS WITH SINGLE INSULATION
FORWARD ROOF MOUNTED CONSOLE WITH
UPPER STORAGE COMPARTMENTS WITHOUT
NETTING
IN DASH STORAGE BIN
CENTER STORAGE CONSOLE MOUNTED ON
BACKWALL
(2) CUP HOLDERS LH AND RH DASH
GRAY/CHARCOAL FLAT DASH
SMART SWITCH EXPANSION MODULE
5 LB. FIRE EXTINGUISHER
FIRST AID KIT
HEATER, DEFROSTER AND AIR CONDITIONER
STANDARD HVAC DUCTING
MAIN HVAC CONTROLS WITH RECIRCULATION
SWITCH
STANDARD HEATER PLUMBING WITH BALL
SHUTOFF VALVES AT SUPPLY LINES ONLY
DENSO HEAVY DUTY AIR CONDITIONER
COMPRESSOR



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Fleet #8

Description

BINARY CONTROL, R-134A
PREMIUM INSULATION
SOLID-STATE CIRCUIT PROTECTION AND FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
DOME DOOR ACTIVATED LH AND RH. DUAL READING LIGHTS, FORWARD CAB ROOF
LH AND RH ELECTRIC DOOR LOCKS
(1) 12V POWER SUPPLY (1) DUAL 2.1 AMP USB CHARGER IN DASH
TRIANGULAR REFLECTORS WITHOUT FLARES
PREMIUM HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 3 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION, FORWARD AND REAR CUSHION TILT, ADJUSTABLE SHOCK ABSORBER
BASIC HIGH BACK NON-SUSPENSION TOOL BOX PASSENGER SEAT
DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS
LH AND RH INTEGRAL DOOR PANEL ARMRESTS
BLACK CORDURA PLUS CLOTH DRIVER SEAT COVER
BLACK CORDURA PLUS CLOTH PASSENGER SEAT COVER
HIGH VISIBILITY ORANGE SEAT BELTS
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN
4-SPOKE 18 INCH (450MM) STEERING WHEEL
DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls

GRAY DRIVER INSTRUMENT PANEL
GRAY CENTER INSTRUMENT PANEL
(1) SWITCH CUTOUT AND BLANK IN CENTER PANEL
BLACK GAUGE BEZELS
LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM
2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES



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Fleet #8

Description

INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS
97 DB BACKUP ALARM
ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL
KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY
ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED
(1) HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH AND (1) SAE J1939 DIAGNOSTIC INTERFACE CONNECTOR LOCATED CENTER OF DASH
2 INCH ELECTRIC FUEL GAUGE
FUEL FILTER RESTRICTION INDICATOR
EMISSIONS LIMITED IDLE ADJUST
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
ENGINE OIL TEMPERATURE GAUGE
2 INCH TRANSMISSION OIL TEMPERATURE GAUGE
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP
ELECTRIC ENGINE OIL PRESSURE GAUGE
OVERHEAD INSTRUMENT PANEL
AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH AND USB AND AUXILIARY INPUTS, J1939
DASH MOUNTED RADIO
(2) RADIO SPEAKERS IN CAB
COBRA 29NW LTD CLASSIC FACTORY INSTALLED CB RADIO
ROOF/OVERHEAD CONSOLE CB RADIO PROVISION
MULTI-BAND AM/FM/WB/CB LH MIRROR MOUNTED ANTENNA SYSTEM
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER



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Phone: 203-452-5143
Mobile: 203-650-8053
E-Mail: dbogen@trumbull-ct.gov



Prepared by:
Greg Martinotti
FREIGHTLINER OF HARTFORD
222 ROBERTS STREET
EAST HARTFORD, CT 06108
Phone: 860-559-9547
E-Mail: greg@fohct.com.com

Fleet #8

Description

STANDARD VEHICLE SPEED SENSOR
ELECTRONIC 3000 RPM TACHOMETER
VT-HU CONNECTIVITY PLATFORM HARDWARE
2 YEARS DETROIT CONNECT BASE PACKAGE
(VIRTUAL TECHNICIAN, DETROIT CONNECT
PORTAL ACCESS) FOR VT-HU CONNECTIVITY
PLATFORM
IGNITION SWITCH CONTROLLED ENGINE STOP
ONE ON/OFF ROCKER SWITCH IN THE DASH
WITH INDICATOR LIGHT AND WIRE ROUTED TO
CHASSIS AT BACK OF CAB, LABEL OPT
PRE-TRIP LAMP INSPECTION, ALL OUTPUTS
FLASH, WITH SMART SWITCH
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH
DRIVER DISPLAY
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR
WITH DELAY PROGRAMMED TO SLOWEST
SPEED WITH PARK BRAKE SET
MARKER LIGHT SWITCH INTEGRAL WITH
HEADLIGHT SWITCH
ONE VALVE PARKING BRAKE SYSTEM WITH
DASH VALVE CONTROL AUTONEUTRAL AND
WARNING INDICATOR
SELF CANCELING TURN SIGNAL SWITCH WITH
DIMMER, WASHER/WIPER AND HAZARD IN
HANDLE
INTEGRAL ELECTRONIC TURN SIGNAL
FLASHER WITH HAZARD LAMPS OVERRIDING
STOP LAMPS

Color

CAB COLOR A: L0006EB WHITE ELITE 8C
BLACK, HIGH SOLIDS POLYURETHANE
CHASSIS PAINT
SUNVISOR PAINTED SAME AS CAB COLOR A
STANDARD E COAT/UNDERCOATING

Certification / Compliance

U.S. FMVSS CERTIFICATION

Extended Warranty

EW4 DD13 VOC \$0 DEDUCTIBLE 7 YEAR/250000 MILES FULL
COVERAGE



Prepared for:
Doug Bogen
Town of Trumbull
366 Church Hill Rd
Trumbull, CT 06611
Phone: 203-452-5143
Mobile: 203-650-8053
E-Mail: dbogen@trumbull-ct.gov



Prepared by:
Greg Martinotti
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222 ROBERTS STREET
EAST HARTFORD, CT 06108
Phone: 860-559-9547
E-Mail: greg@fohct.com.com

Fleet #8

Description

EATON ULTRASHIFT PLUS V-SERIES 1750 FT/LBS OR LESS
TRANSMISSION EXTENDED WARRANTY, 5 YEARS/UNLIMITED
MILES FEX

EATON HEAVY DUTY CLUTCH EXTENDED WARRANTY, 5
YEARS/UNLIMITED MILES FEX

Body Package

GALFAB ROLL OFF HOIST MODEL OR75-174T118
22' HOIST FACTORY MOUNTED @ GALFAB
39 GPM COMMERCIAL DIRECT MOUNT PUMP WITH 2-
1/2" LARGE GEARS
POLY TRI-AXLE FENDERS
STEEL SURCHARGE
SEVERE DUTY REAR HINGE PACKAGE (4" MORE
BARING THAN COMP)
1/2" X 3-1/2" WARE STRIP ON MAIN RAILS
HEAVY DUTY SUB FRAME
HARD PIPED PLUMBING INSTEAD OF HYDRAULIC
TUBING
TWO EXTRA REAR TAIL ROLLERS INCORPORATED
PER SIDE IN TAIL SECTION
6' CONTAINER GUIDE SILL (ALL CORE TEN STEEL)
REPLACEABLE ROLLER SHAFTS AND ROLLERS
TRUCK LIGHT SEALED LIGHTING SYSTEM WITH LED
LIGHTS
50-GALLON HYDRAULIC OIL TANK
AUTO FOLDING ICC BUMPER (WHEN NOT OPTIONED
WITH PUP HITCH)
REAR CABLE HOLD DOWNS FOR CONTAINERS
5 SPOOL HYDRAULIC VALVE WITH AIR IN CAB FOR 2
SPOOLS
THIS VALVE IS SET UP TO OPERATE HOIST AND
COVER SYSTEM
BRONZE BUSHINGS ON ROLLERS AND ALL WINCHING
SHEAVES
LARGE STEEL TOOL BOX
HOIST PAINTED BLACK
40-TON PINTLE HITCH WITH GLAD HANDS AND 7-PIN
ROUND PLUG
ALC AUTOMATIC LOAD COVER WITH EXT ARMS AND
GANTRY



Fleet - Parks Tractor Loader

Fleet # 6



Product Quotation

**Prepared For:
Paul**

**Town of Trumbull
Trumbull CT**

\$93,800⁰⁰



**Prepared By:
Brian Murray
NORTHLAND JCB
mobile:(860) 500-8648**

Image is for indicative purpose only and may not represent exact equipment being quoted



Northland JCB is proud to serve New England with a core commitment to putting our customers first and matching the right equipment for the right applications. Northland JCB thrives on a reputation built by fanatical customer service and an unparalleled service model. We make doing business with us simple and easy. It is our commitment to customer service that has enabled us to develop enduring customer relationships.

Fleet # 6

We are honored to partner with JCB to offer a wide selection of new and used construction equipment including backhoes loaders, excavators, compact track loaders & skid steers, telehandlers, wheel loaders and more to fulfill our customers' needs.

We are a one-stop equipment dealer offering new and used construction equipment sales, rental, parts, and service with six locations serving Massachusetts, New Hampshire, Maine, Connecticut, and Rhode Island.

Standard Equipment

Standard Equipment and Features & Benefits related to this product are subject to change without notice

SAFETY	Two post Roll Over Protective Structure (ROPS), Falling Objects Protective Structure (FOPS) and retractable seat belt. Equipped with independent park brake and loader service strut. Rear boom lock activated from operator's compartment; boom swing lock. Vandalism protection with key lock-able hydraulic fill and fuel cap. All locks operate with ignition key. Front and rear horn buttons.
ENGINE	74 HP Turbocharged JCB Diesel by Kohler. Water-cooled, 4 cyl, 2.5 liter T4F engine. Electronic hand and foot throttle. Full flow pressure engine oil lubricant with spin-on filter cartridge. Air to fluid coolers. Separately serviceable radiator, hydraulic and transmission oil coolers. Two stage fuel filtering system utilizing a water/sediment separator and spin-on type filter element. Dual element air filter, dry type with cleanable outer element, replaceable inner element and under hood pre-cleaner.
TRANSMISSION	Separate unit mounted to engine Bosche Rexroth hydrostatic 3-speed transmission with anti-stall. High speed roading mode capable of 25 mph. Electrically operated Fwd / Rev lever on steering column. Transmission neutral interlock ensures machines cannot be started in gear. Brake pedals actuation variably reduces transmission pump engagement reducing brake wear and improving loading cycle times.
FRONT AXLE	Industrial duty JCB Max-Trac torque proportioning, outboard planetary reduction axle, 4WD shift-on-the-go; steering cylinder located behind front axle. Permanent 4WD.
REAR AXLE	Industrial duty JCB Max-Trac torque proportioning. Separate, rigidly mounted to mainframe and connected to transmission via drive shaft. Heavy duty double reduction, outboard planetary gear final reduction.
BRAKES	Sealed wet multiple disc. Brake pedals can be independently operated or locked together. Servo-assisted quick fill brakes. Independent hydraulically activated parking brake. Transmission shifts to neutral when park brake is activated.
STEERING	Hydrostatic power, with priority valve. Three steering wheel turns (lock to lock). Unbraked turning circle 21' 11". Braked turning circle 19'.





Standard Equipment

BACKHOE AND MAINFRAME

Utilized, one piece heavy duty mainframe with integral backhoe. Sideshift frame with 3ft 3" kingpost offset capacity and vertical stabilizers. Mainframe and stabilizers within loader bucket width. Fabricated equal length boom and dipper. SAE minimum dig depth 10"; Rear Auxiliary hydraulics (1-way flow); All backhoe hoses routed through king post with junction plate. Rubber street pads (STD)

ELECTRICAL SYSTEM

12 volt system with 100 amp alternator. Wiring harness and outside cab connectors meet IP69 standard for protection against ingress of dust, and pressure spray of 4.23 gpm at 1450 psi. Inside cab connectors meet IP67 standard for protection against ingress of dust, and water when submerged. Single, maintenance free battery rated at 900 cold cranking amps. Two halogen work lights in front and four separate halogen work lights in the rear. Stop lights, turn signals, and four way hazards standard. Backlit gauges and readouts consisting of a tachometer, fuel gauge, engine coolant temperature gauge, digital hour meter and digital clock. Light and alarm for battery charge condition, coolant temp., coolant level, engine oil pressure, engine oil level, transmission oil pressure, transmission oil temp, air cleaner restriction, water in fuel indicator, windshield washer fluid level and park brake engaged. Light indicators for hazard flashers on, turn signals, steering mode, and lights on. 12 volt outlet for powered accessories. Common fuses and relays located in an easy access panel. Main circuitbreakers at battery positive terminal for added circuit protection. Battery Isolator as standard.

LOADER

Equipped with integrally mounted front end loader using two lift cylinders and two bucket dump cylinders. Parallel lift standard using mechanical self leveling during loader raise and lower functions. Dump height 7ft 11". Load over height 9ft 7". Auxiliary loader hydraulics, Smooth Ride system (SRS) and hydraulic quickhitch standard. Rated operating capacity of 3,364 lbs with GP shovel.

OPERATORS ENVIRONMENT

Air suspension seat and retractable seat belt. Left side entry with deluxe trim, full floor mat, fixed steering column, exterior mirrors, pre-wired for beacon, cup holders, storage compartment. Cab also includes operable right side window, one piece rear window to open over head. In-cab noise levels 71 dB(A).

HYDRAULIC SYSTEM

Closed center vari-flow system with axial piston pump, engine driven behind transmission, 28.4 gpm flow @ 2350 rpm. 100% efficiency with flow on demand. Advanced Easy Controls standard. Abrasion protection of valve to boom hoses. Hoses have burst pressure of 4 times working pressure. Structural steel pipes to withstand minor impacts.

TELEMATICS

JCB Livelink telematics. Monitored and managed remotely via a PC or Smartphone. Two year subscription. Real time reporting of machine hours, routine maintenance alerts, location, critical health alerts, fuel level/consumption and work cycle information. Ability to set machine geo-fences and curfews for improved security. Tilt engine hood and lockable front grill. 21.1 gallon fuel tank. 27.47 gallon hydraulic system incl. transmission.





Features and Benefits

Standard Equipment and Features & Benefits related to this product are subject to change without notice

JCB by Kohler engine

No after treatment keeping servicing cost low and downtime minimal

Compact design

35 percent smaller than a standard backhoe providing unrestricted urban access

Ultimate in maneuverability

ZWS/4WS enables tight turning radius helping to increase productivity

Attachment versatility

Compatible with a wide-range of skid steer attachments; bi-directional pipework improves functionality

Comfort and ease of use

Fully adjustable seat, dash mounted display and ISO/SAE control pattern change accomodates all users

Optional hand tool circuit

Provides ability to prepare sites

Sideshift backhoe

Assist in site access ability allowing operator to put the boom where needed for any application as well as decreasing transport length

Front and rear quickhitch

Easy and effortless switching between attachments

10 ft extending dipper

Decreases repositioning increasing efficiency. Optional 12 ft dipper also available

Limited Slip Differential (LSD) axles

Increases tractive effort in all ground conditions

Added value through JCB Assetcare

Provides comprehensive peace at mind warranty and service agreements worldwide

Technical support service

Provides instant access to factory expertise, day or night

Parts distribution

Global network of part centers, delivering 95 percent of all parts any where in the world within 24 hrs





Prepared For:
Paul
Town of Trumbull
Trumbull CT

phone:Moura

Dealer Information
NORTHLAND JCB
A DIVISION OF NORTHLAND INDUSTRIAL
6 JONSPIN ROAD

Prepared By:
Brian Murray
brian.murray@northlandjcb.com
mobile:(860) 500-8648
Quote Date: 07/02/19
Valid Until: 08/01/19
Quotation Reference: 232325

Model: 3CX 12L4WS

Qty: 1

Equipment Description

3CX COMPACT, 12FT EXTENDING DIPPER, 55KW (74HP) TIER 4 FINAL

Engine: JCB diesel by-kohler 2. 5l 55kw (74hp) stage IIIB/4f
100a, turbo intercooled. Mainframe: 2000Mm (78") aws
sideshift Pump: 100 Lpm (26. 4 gpm) closed centre variable
flow Excavator: 12Ft ext dipper

3CX COMPACT, MODEL PACK
MICHELIN POWER CL TYRE SET,340/80-18
Cab With A/c, Cloth Suspension Seat, For Use With Constant Flow
Cab Electrics, Livelink, For Use With Constant Auxiliary Flow
5/8 Loader Pipework With Srs, Rtd, Constant Flow And Vari Speed
(For Mk2/ssl Qh)
NORTH AMERICA ENGLISH TERRITORY PACK
6 In 1 Shovel - 2000Mm (78 Inch) With Skid Steer Hydraulic
Hitch And Toeplate
18 IN (450 MM) EXCAVATOR BUCKET
LED WORKLIGHT PACK10 OFF
Rotating Amber Beacon
MECHANICAL EXCAVATORQUICKHITCH and 1T SHACKLE
24 Inch JAWBONE BUCKET

Equipment Total	93,800.00
Total Customer Sale Price	93,800.00

Notes: 2 Year/2,000 Hour Machine Warranty

The above quote supersedes all preceding price quotes. Prices quoted are valid for 30 days from quote date.

Customer Acceptance: _____ Date _____

Dealer _____ Date _____





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	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	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

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

CIP 2020 - 2024

Other - Engineering

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Engineering - Colony Road

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

Sediments have built up along the storm drainage discharge point at the intersection of Blackhouse and Colony road. This project would remove sediments along this area.

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

This project will improve the drainage system in the vicinity of Colony Road and Blackhouse Road

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

AS shown below

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	
Colony Road sedimentation removal		387,402				387,402
						-
						-
						-
						-
						-
						-
						-
						-

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

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Engineering - Daniels Farm Road

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

This project is intended to replace and/or add drainage systems along Daniels Farm Road. Various drainage pipes are corrugated metal pipe and are in need of replacement.

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

The project will improve roadway surface stormwater runoff during a rainstorm.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

Design 2019; Construction 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	
Daniels Farm Road - Drainage Improvements		1,510,000				1,510,000
Daniels Farm Road - Roadway Improvements			2,159,990			2,159,990
						-
						-
						-
						-
						-
						-

Eng# 1
need esti

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

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Engineering - Town Wide Bridges

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

This project improves various bridges in the Town of Trumbull. These bridges are observed by the State of Connecticut as part of the State Bridge Inspection program. The State provides us with an inspection report.

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

Bridges included are on Brock Street, Old town Road, Old Mine Road and Old Dyke Road, Whitney.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

As shown below

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

Potential State Grant for Old Town Road Bridge

PROJECT DESCRIPTION	CALENDAR YEAR FUNDING					TOTAL
	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024	
Brock Street Bridge- Construction (first phase)	120,000					120,000
Brock Street Bridge -Design (second phase)		90,000				90,000
Brock Street Bridge - Construction (second phase)			300,000			
Old Town Road Bridge - Construction Inspections		1,051,737	-			
Old Mine Road Bridge - Design/Construction/Inspections			16,000			16,000
Old Dike Road Bridge- Design/Construction/Inspections			15,000			15,000
Whitney Ave. Bridge- Design		17,000				17,000
Whitney Ave. Bridge- Construction				93,000		93,000
						-
						-
						-

need estim

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

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Engineering - Old Town Road improvements

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

This project is intended to provide complete streets implementation along various parts of Old Town Road.

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

The intent of this project is to provide geometry improvements and potential non-vehicular modes of transportation.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

See below

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

Potential state grants for roadway geometry type improvements.

PROJECT DESCRIPTION	CALENDAR YEAR FUNDING					TOTAL
	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024	
Roadway Improvement/Design/Construction	-	3,500,000				3,500,000
						-
						-

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

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Engineering - Old Dike Road paving phase 2

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

This is the 2nd phase of the Old Dike Road paving project. The first phase completed the drainage in 2019. This estimate is to pave the road.

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

Finish paving project on Old Dike Road.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

2020

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	
Old Dike Road paving Phase 2	356,234					356,234
						-
						-

Eng# 3

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

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

**Engineering - Hedgehog, Harvest Hill and Daniels Farm
Culverts**

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

Existing culverts need repairs. One overtopped during floods in 2018 that caused Daniels Farm Road to be closed to emergency vehicles. Upstream and downstream properties were also affected. The culvert collects runoff from Hillcrest Middle School and the surrounding neighborhoods.

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

Daniels Farm roads culverts (Box Culvert on Daniels Farm Road at Hedgehog) and 30in culvert on Daniels Farm road approximately 750ft north of the intersection with Hedgehog Road.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

2021-2023

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	
Daniels Farm Road culverts (box culvert & 30in culvert) - design	161,000					161,000
Hedgehog/Harvest Hill/Daniels Farm Road culverts - Construction		2,000,000				2,000,000
						-

Eng# 4

Eng# 4 (partial)

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

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Engineering - Strobel Road sidewalks

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

This project will consist of adding NEW sidewalks from the most eastern driveway of THS to Booth Hill Road. The sidewalk will be approximately 5,430LF in length. There is a strong community demand for this project.

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

Strobel Road sidewalks from THS to Booth Hill Road.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

2022-2023

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	
Strobel Road sidewalks - design	70,000					70,000
Strobel Road sidewalks - construction		1,500,000				1,500,000
						-

Eng# 5

no estimate

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

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Engineering - Park Street Culvert

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

Culvert design for modifications to culvert on Park Avenue below Route 25. The existing 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.

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

Park Street 42" corrugated culvert under Park St below the Rte. 25 expressway.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

2021-2023

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	
Park St. culvert - design	91,200					91,200
Park St. Culvert - construction		750,000				750,000
						-

Eng # 6

no estimate

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

**Engineering
Daniels Farm Road
Drainage**

Old Dike Road Paving Phase 2

Eng # 3

Item	Units	Unit Costs
50.3 (CLAS)	Per Ton	\$ 104.37
50.375 (CL)	Per Ton	\$ 168.29

Item	Units	Unit Costs
20.5 (CLAS)	Per Ton	\$ 92.86
20.375 (CL)	Per Ton	\$ 97.37

Item	Units	Unit Costs
50.3 (CLAS)	Per Ton	\$ 94.88
50.375 (CL)	Per Ton	\$ 94.88

Road Name	LF Per Side	5y Area	Landscaped Area, SY	Repair Type	# of DRIVEWAY	Times of Driveway (HW)	50.375 Tons	50.375 Tons	1" Shim Tons	LF of Curb	Tack Coat (Gal)	50.3 Cost	50.375 Cost	1" Shim Cost	Cost Handover	Cost Tack Coat	Cost Curb	Escalation	Total Cost O&M	Calcium Chloride	Cost Milling	Mobilization	Cost Reclaiming	Total Cost Black & Boucher	Total Cost Per Road (Per LS)
OLD DKE RD (Hemlock Beach Mtn)	4,112	11,560.13	5,483	M	65	130	0	1526	783	2248.0	1271.6	\$ -	\$ 148,580.33	\$ 81,014.91	\$ -	\$ 8,354.51	\$ 37,527.55	\$ 15,648.61	\$ 291,146.31	\$ -	\$ 28,500.13	\$ 1,000.00	\$ -	\$ 29,500.13	\$ 311,046.44
Total		11,560.13	5,483			130	0	1526	783	2248.0	1271.6	\$ -	\$ 148,580.33	\$ 81,014.91	\$ -	\$ 8,354.51	\$ 37,527.55	\$ 15,648.61	\$ 291,146.31	\$ -	\$ 28,500.13	\$ 1,000.00	\$ -	\$ 29,500.13	\$ 311,046.44

Road Name	LF Per Side	5y Area	Landscaped Area, SY	Repair Type	# of DRIVEWAY	Times of Driveway (HW)	50.375 Tons	50.375 Tons	1" Shim Tons	LF of Curb	Tack Coat (Gal)	50.3 Cost	50.375 Cost	1" Shim Cost	Cost Handover	Cost Tack Coat	Cost Curb	Escalation	Total Cost O&M	Calcium Chloride	Cost Milling	Mobilization	Cost Reclaiming	Total Cost Black & Boucher	Total Cost Per Road (Per LS)
HEMLOCK TRL (Old Dike-Primmerod)	395	1,302.18	527	M	10	20	0	172	86	640.0	141.2	\$ -	\$ 16,716.71	\$ 9,128.10	\$ -	\$ 941.09	\$ 3,312.96	\$ 1,811.14	\$ 31,932.29	\$ -	\$ 3,255.45	\$ -	\$ -	\$ 3,255.45	\$ 35,187.75
Total		1,302.18	527			20	0	172	86	640.0	141.2	\$ -	\$ 16,716.71	\$ 9,128.10	\$ -	\$ 941.09	\$ 3,312.96	\$ 1,811.14	\$ 31,932.29	\$ -	\$ 3,255.45	\$ -	\$ -	\$ 3,255.45	\$ 35,187.75

Hedgehog, Harvest Hill & Daniels Farm Roads Culverts

September 23, 2019

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

\$79,000 + \$82,000 = \$161,000 design for
Daniels Farms Culverts

**RE: Daniels Farm Road 30 Inch 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 or replacement for the existing 30 inch culvert on Daniels Farm Road between Hedgehog Road and Inca Drive, and prepare the Contract Package for bidding.

The existing 30 inch culvert overtopped during flooding in September 2018, and closed Daniels Farm Road to emergency vehicles. Luchs will conduct the work as part of its on-going commitment to provide On-Call engineering services to the Town on a Time and Expense basis. This project will be funded under the Town Capital program.

The 30 inch culvert is located on Daniels Farm Road approximately 750 feet north of the intersection with Hedgehog Hill Road. The culvert collects runoff from Hillcrest Middle School and the surrounding neighborhood, and discharges it west toward Inca Drive. Area lies within the Belden Brook Watershed.

It is anticipated that approximately 50 feet to 75 feet of the watercourse may be impacted upstream and downstream of the culvert.

Proposed Improvements

Daniels Farm Road is a busy Collector Street in this area. It is anticipated that the culvert will need to be replaced or supplemented in stages to avoid traffic disruptions during construction.

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 by
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) 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 Daniels Farm Road.
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 watercourse 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 that may be needed for Proposed Grading and Drainage Easements.
- Luchs will engage a Geotechnical Engineer to oversee soil borings and prepare a report of the underlying soils and bedrock at the culvert location.
- 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 when the culvert is being upgraded. Probably one side of the culvert would be disturbed at any one time.
- The proposed culvert modification will be designed with a match existing culvert inverts and wing walls, where possible. Survey of the stream would be limited to immediately upstream and downstream (50'-75').
- 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.

**Daniels Farm Road 30 Inch Culvert Replacement
Scope of Work and Budget**

September 23, 2019

Page 3 of 4

- A standard culvert analysis will be prepared in accordance with FHWA Hydraulic Design Series Number 5 (HDS5), Hydraulic Design of Highway Culverts.
- Up to Three (3) 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

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:

**Daniels Farm Road 30 Inch Culvert Replacement
Scope of Work and Budget**

September 23, 2019

Page 4 of 4

I. Survey	\$ 6,700
II. Preliminary Design	\$ 18,300
III. Final Design	\$ 33,600
IV. Bid Document Preparation	\$ 5,700
V. Environmental Permitting	\$ 8,400
VI. Geotechnical Investigation	\$ 8,500

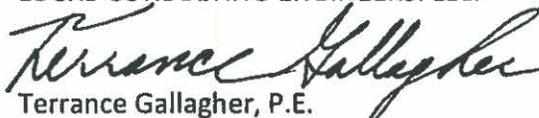
TOTAL

\$ 81,200

We are looking forward to starting work on this interesting project 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

TG:Q:\Marketing\Luchs Marketing\RFQs\Trumbull - Daniels Farm Rd Culvert #2\Proposal\PROP Daniels Farm Rd Culvert 30 In 9-23-19.docx

September 23, 2019

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

**RE: Daniels Farm Road Box Culvert Modification
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 8 foot x 3 foot box culvert on Daniels Farm Road at Hedgehog Road, and prepare the Contract Package for bidding.



Figure 1 Daniels Farm Road Box Culvert at Hedgehog Road – Upstream Headwall

The existing 8 foot x 3 foot concrete box culvert overtopped during flooding in September 2018, and closed Daniels Farm Road to emergency vehicles. Upstream and downstream properties were also impacted by the flooding, and the Trumbull Department of Public Works has done partial stabilization of the upstream channel. Luchs will conduct the work as part of its on-

**Daniels Farm Road Box Culvert Improvements
Scope of Work and Budget**

September 23, 2019

Page 2 of 5

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

The 8 foot x 3 foot box culvert is located near the intersection with Hedgehog Hill Road. The box culvert was reconstructed in 2005, but with limited downstream channel improvements. Belden Brook takes a sharp left hand turn immediately below the box culvert, which may be creating a significant flow restriction that is eroding the banks on the downstream property and limiting the hydraulic capacity of the culvert. Portions of the upstream channel are also continuing to erode which is washing material into the box culvert inlet. The height of the box culvert is also limited by a natural gas pipeline that is mounted to the inlet headwall.



Figure 2 Downstream culvert outlet with eroded stream bank

It is anticipated that approximately 200-300 linear feet of Belden Brook may be impacted upstream and downstream of the culvert. The Daniels Farm Road culvert is also part of the mapped FEMA Floodplain.

Proposed Improvements

Daniels Farm Road is a busy Collector Street in this area. In order to avoid traffic disruptions the key focus of this study will be to determine if the flood carrying capacity of the culvert can be significantly improved by making improvements to the existing culvert and channel rather

**Daniels Farm Road Box Culvert Improvements
Scope of Work and Budget****September 23, 2019
Page 3 of 5**

that replacing the entire culvert. The culvert was reconstructed in 2005, and has concrete wing walls that are pinned to ledge on the downstream side along the road R.O.W..

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 by
 - a. Improving outlet conditions by widening the channel and creating a more gradual transition downstream.
 - b. Removing rock outcrops inside the culvert that may be trapping debris and limiting hydraulic capacity.
 - c. Improving the culvert inlet, and possibly relocating the gas main.
 - d. Improving the upstream channel and armoring the bed with larger stone to limit debris clogging.
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 Daniels Farm Road and the intersection with Hedgehog Hill Road.
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.

**Daniels Farm Road Box Culvert Improvements
Scope of Work and Budget**

September 23, 2019

Page 4 of 5

- Luchs will prepare Property Maps (assumed 3) that may be needed for Proposed Grading and Drainage Easements.
- At this time a Geotechnical Investigation is not proposed due to the visible ledge along the stream bed downstream of 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. Probably one side of the culvert would be disturbed at any one time.
- The proposed culvert modification will be designed with a match existing culvert inverts and wing walls, where possible. Survey of the stream would be limited to immediately upstream and downstream (100-150').
- 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 Three (3) 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
- 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

**Daniels Farm Road Box Culvert Improvements
Scope of Work and Budget**

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

- 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

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	\$ 6,700
II. Preliminary Design	\$ 19,800
III. Final Design	\$ 35,200
IV. Bid Document Preparation	\$ 7,900
V. Environmental Permitting	\$ 9,400
VI. Geotechnical Investigation	\$ 0

TOTAL **\$ 79,000**

We are looking forward to starting work on this interesting project 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

Eng #4 Construction for ONE culvert at Harvest Hill.
 This is part of the \$2M request for construction of all 3 culverts

Luchs Consulting Engineers, LLC					
Harvest Hill Culvert Replacement TRUMBULL, CONNECTICUT 19008 Preliminary Design Cost Estimate - Alternative SP-1C: 8'x4' Box Culvert 9-23-19					
ITEM No.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	AMOUNT
0100072	A Removal and Disposal of Underground Tanks	EA.	0	\$7,500.00	\$0
0201001	Clearing and Grubbing	LS	1	\$15,000.00	\$15,000
0201199	A Remove and Reset Fence	L.F.	0	\$70.00	\$0
0202000	Earth Excavation	C.Y.	420	\$13.50	\$5,670
0202100	Rock Excavation	C.Y.	100	\$50.00	\$5,000
0202310	A Excavation and Disposal of Contaminated Material	C.Y.	20	\$150.00	\$3,000
0202529	Cut Bituminous Concrete Pavement	L.F.	65	\$3.00	\$195
0202596	A Reset Stone Pillar	EA.	0	\$3,000.00	\$0
0203000	Structure Excavation - Earth (Complete)	C.Y.	27	\$20.00	\$540
0204001	A Cofferdam and Dewatering	L.F.	50	\$300.00	\$15,000
0204401	A Handling Water (Site No.1)	LS	1	\$30,000.00	\$30,000
0205001	Trench Excavation 0-4' Deep	C.Y.	0	\$12.00	\$0
0205003	Trench Excavation 0-10' Deep	C.Y.	60	\$18.00	\$1,080
0205004	Rock in Trench Excavation 0-10' Deep	C.Y.	10	\$95.00	\$950
0205005	Trench Excavation 0-15' Deep	C.Y.	25	\$20.00	\$500
0205006	Rock in Trench Excavation 0-15' Deep	C.Y.	10	\$200.00	\$2,000
0209001	Formation of Subgrade	S.Y.	245	\$2.00	\$490
0213001	Granular Fill	C.Y.	25	\$54.00	\$1,350
0213051	A Gravel Streambed Material	C.Y.	15	\$85.00	\$1,275
0216000	Pervious Structure Backfill	C.Y.	95	\$50.00	\$4,750
0219001	Sedimentation Control System	L.F.	220	\$4.00	\$880
0219002	Sedimentation Control Hay Bale System	L.F.	50	\$7.00	\$350
0219004	A Storm Water Pollution Controls	LS	1	\$5,000.00	\$5,000
0219011	Sedimentation Control System at Catch Basin	EA.	3	\$300.00	\$900
0304002	Processed Aggregate Base	C.Y.	60	\$60.00	\$3,600
0406002	A Temporary Pavement	S.Y.	2,200	\$32.00	\$70,400
0406010-1	Bituminous Concrete Class 1	TON	30	\$106.00	\$3,180
0406010-2	Bituminous Concrete Class 2	TON	30	\$106.00	\$3,180
0406010-4	Bituminous Concrete Class 4	TON	60	\$106.00	\$6,360
0406173	HMA S0.25	TON	0	\$150.00	\$0
0406236	Material For Tack Coat	Gal	50	\$3.00	\$150
0406303	Sawing and Sealing Joints	L.F.	70	\$20.00	\$1,400
0406999	A Asphalt Adjustment Cost	EST.	0	\$20,000.00	\$0
0507001	Type "C" Catch Basin	EA.	0	\$2,800.00	\$0
0507022	Type "C" Catch Basin Double Gate Type II (4' Sump)	EA.	0	\$5,600.00	\$0
0507026	Type "C" Catch Basin (4' Sump)	EA.	3	\$3,400.00	\$10,200
0507051	Type "C" Catch Basin Over 10' Deep	EA.	0	\$3,400.00	\$0
0507171	A Hydrodynamic Separator (Site No. 1)	EA.	0	\$25,000.00	\$0
0507601	Manhole	EA.	0	\$3,500.00	\$0
0507707	Type "C" Catch Basin Double Gate Type II Over 10' Deep (4' Sump)	EA.	0	\$6,000.00	\$0
0601000	Class "A" Concrete	C.Y.	80	\$900.00	\$72,000
0601217	A 8' x 4.0' Precast Concrete Box Culvert	L.F.	75	\$1,200.00	\$90,000
0602000	Deformed Steel Bars	LB.	4,500	\$44.00	\$198,000
0651001	Bedding Material	C.Y.	15	\$44.00	\$660
0651011	12" R.C. Pipes	L.F.	0	\$55.00	\$0
0651012	15" R.C. Pipes	L.F.	80	\$60.00	\$4,800
0651013	18" R.C. Pipes	L.F.	0	\$75.00	\$0
0651015	24" R.C. Pipes	L.F.	0	\$125.00	\$0
0651107	15" A.C.C.M. Pipe	L.F.	0	\$65.00	\$0
0651717	12" Ductile Iron Pipe	L.F.	0	\$45.00	\$0
0651743	6" Polyvinyl Chloride Pipe	L.F.	10	\$52.00	\$520
0651744	4" Polyvinyl Chloride Pipe	L.F.	0	\$44.00	\$0
0652010	15" R.C. Culvert End	EA.	0	\$900.00	\$0
0653100	Clean Existing Culvert - 12" to 42" Diameter	L.F.	0	\$12.00	\$0
0703014	A Rounded Riprap	C.Y.	5	\$150.00	\$750
0707009	A Membrane Waterproofing	S.Y.	70	\$65.00	\$4,550
0708001	Dampproofing	S.Y.	20	\$20.00	\$400
0751900	A 4" Edgedrain	L.F.	0	\$16.00	\$0
0815001	Bituminous Concrete Lip Curbing	L.F.	120	\$5.00	\$600
0822001	Temporary Precast Concrete Barrier Curb	L.F.	100	\$50.00	\$5,000
0905006	A Remove and Rebuild Existing Stone Wall	L.F.	0	\$75.00	\$0
0905217	A Stone Wall	L.F.	0	\$150.00	\$0
0910300	Metal Beam Rail (R-B MASH)	L.F.	150	\$25.00	\$3,750

Eng# 4

Eng #4 Construction for ONE culvert at Harvest Hill.

This is part of the \$2M request for construction of all 3 culverts

ITEM No.	ITEM DESCRIPTION	UNITS	QTY	UNIT PRICE	TOTAL PRICE
0911923	R-B End Anchorage - Type I	EA.			
0913003	4' Polyvinyl Chloride Chain Link Fence	L.F.			
0922501	Bituminous Concrete Driveway	S.Y.	0	\$47.00	\$0
0922503	Gravel Driveway	S.Y.	0	\$50.00	\$0
0939001	Sweeping For Dust Control	HR	20	\$10.00	\$200
0942001	Calcium Chloride For Dust Control	TON	2	\$1,000.00	\$2,000
0943001	Water For Dust Control	M.GAL	200	\$1.50	\$300
0944000	Furnishing and Placing Topsoil	S.Y.	150	\$6.00	\$900
0946001	Liming	TON	1	\$600.00	\$600
0949007	Wetland Creation	S.Y.	0	\$22.00	\$0
0949011	Shore Juniper #3 CAN	EA.	0	\$40.00	\$0
0949079	Russian Cypress #3 CAN	EA.	0	\$40.00	\$0
0949133	Vaccinium Corymbosum, High Bush Blueberry 18"-24" HT. Contain	EA.	24	\$40.00	\$960
0949139	Flowering Silver Andromeda #6 CAN	EA.	0	\$40.00	\$0
0949226	Ilex Verticillata, Common Winterberry 18"-24" HT. B.B.	EA.	24	\$40.00	\$960
0949341	Clethra Alnifolia, Sweet Pepperbush 2'-3'	EA.	0	\$70.00	\$0
0949358	Prunus Serrulata Kwanzan-Kwanzan Cherry 2"-2.5" Cal B.B.	EA.	0	\$65.00	\$0
0949394	Blaauw's Pink Azalea Deer Resistant	EA.	0	\$40.00	\$0
0949395	Catawba Rhododendron Lilac-Rose Flower	EA.	0	\$40.00	\$0
0949466	Rose & Pink Double Knock Out #3 CAN	EA.	0	\$40.00	\$0
0949602	Juniperus Virginiana Eastern Red Cedar 6'-8" HT. B.B.	EA.	0	\$450.00	\$0
0949630	Pinus Strobus, White Pine 2"- 2.5"	EA.	0	\$450.00	\$0
	Cryptomeria	EA.	0	\$250.00	\$0
0949724	Stellar Dogwood 2"- 2.5" CAL B.B.	EA.	0	\$525.00	\$0
0949827	Acer Saccharinum, White Maple 2"- 2.5" CAL	EA.	0	\$500.00	\$0
0949832	Acer Rubrum Red Maple 2"-2.5" Cal B.B.	EA.	6	\$500.00	\$3,000
0950010	Temporary Seeding	S.Y.	150	\$0.70	\$105
0950013	Temporary Erosion Control Blankets	S.Y.	50	\$5.00	\$250
0950015	Erosion Control Matting	S.Y.	50	\$5.00	\$250
0950019 A	Turf Establishment - Lawn	S.Y.	150	\$2.00	\$300
0950025 A	Reset Landsape Edging	L.F.	0	\$15.00	\$0
0950043 A	Wetland Grass Establishment	S.Y.	0	\$2.20	\$0
0952051 A	Control and Removal of Invasive Vegetation	S.Y.	0	\$7.00	\$0
0969062 A	Construction Field Office, Medium	MO	6	\$2,500.00	\$15,000
0970006	Trafficperson (Municipal Police Officer)	EST.	1	\$12,000.00	\$12,000
0970007	Trafficperson (Uniformed Flagger)	HR	40	\$55.00	\$2,200
0971001 A	Maintenance and Protection of Traffic	LS	1	\$20,000.00	\$20,000
0975004	Mobilization and Project Close Out	LS	1	\$20,000.00	\$20,000
0976002	Barricade Warning Lights - High Intensity	DAY	90	\$1.00	\$90
0977001	Traffic Cone	EA.	40	\$50.00	\$2,000
0978002	Traffic Drum	EA.	20	\$75.00	\$1,500
0979003	Construction Barricade - Type III	EA.	6	\$140.00	\$840
0980001	Construction Staking (1%+/-)	LS	1	\$15,000.00	\$15,000
0981101 A	Opposing Traffic Lane Divider	EA.	0	\$120.00	\$0
1206023 A	Removal and Relocation of Existing Signs	LS	1	\$500.00	\$500
1208931 A	Sign Face Sheet Aluminum (Type IX Retroreflective Sheeting)	S.F.	15	\$50.00	\$750
1208932 A	Sign Face Sheet Aluminum (Type IV Retroreflective Sheeting)	S.F.	5	\$40.00	\$200
1209114	Hot Applied Painted Pavement Marking -4" Yellow	L.F.	100	\$0.20	\$20
1209131	Hot Applied Painted Legend, Arrows and Markings	S.F.	0	\$4.00	\$0
1210101	4" White Type I Epoxy Resin Pavement. Markings	L.F.	100	\$0.50	\$50
1210102	4" Yellow Type I Epoxy Resin Pavement. Markings	L.F.	100	\$0.50	\$50
1210105	Epoxy Resin Pavement, Markings, Symbols And Legends	S.F.	25	\$4.00	\$100
1220027	Construction Signs	S.F.	200	\$12.00	\$2,400
1302051 A	Reset Valve Box (Water Main)	EA.	0	\$200.00	\$0
1700001 A	Service Connections	EST.	0	\$50,000.00	\$0
	SUBTOTAL PARTICIPATING CONTRACT ITEMS				\$681,955
	Contingencies (20%+/-)	LS	1		\$136,391
	Incidental (10%+/-)	LS	1		\$68,196
	TOTAL PARTICIPATING CONSTRUCTION COST				\$886,542
	BID ALTERNATE NO.1 (NON_PARTICIPATING)				
1301964 A	18" Ductile Iron Casing with 12" Water Main	LS	0	\$15,000.00	\$0
	SUBTOTAL NON-PARTICIPATING CONTRACT ITEMS				\$0
	TOTAL PROJECT CONSTRUCTION COST				\$886,542

NOTE: The Above Estimate Does Not Include Rights-of-Way Cost.

Item 0201001 - Clearing and Grubbing was for limited trees - 2 days

Strobel Road Sidewalks

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
 - Lighttower 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 (mileage, 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. Mascla, 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 # 6

**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

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

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:

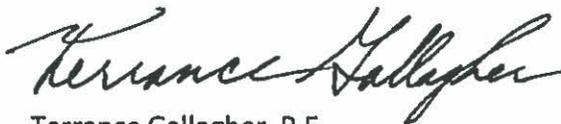
I. Survey	\$ 5,300
II. Preliminary Design	\$ 23,600
III. Final Design	\$ 36,300
IV. Bid Document Preparation	\$ 7,900
V. Environmental Permitting	\$ 10,500
VI. Geotechnical Investigation	\$ 8,500

TOTAL	\$ 92,100
--------------	------------------

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

TG:Q:\Marketing\Luchs Marketing\RFQs\Trumbull - Park St. Culvert\Proposal\PROP Park St. Culvert 9-23-19.docx

CIP 2020 - 2024

OTHER

**(Economic Development -
Engineering Projects**

Other - Econ. Development

Church Hill Road

E.D. #1 (Church Hill Rd.)



Prep'd Date 3/15/2017 By TAS
 Ch'kd Date 3/15/2017 By AJM
 Town of Trumbull, CT
 Funds _____
 Town No. _____
 Project No. 29-0196-99
 Sheet No. 1 of 1

**Preliminary Opinion of Probable Cost
for the Construction of**

Project Description Proposed Community Center
Old Church Hill Rd, Trumbull, CT

**CONCEPT OFF-SITE ROADWAY IMPROVEMENTS
(SEE SHEET C1.01)**

No.	Item	Unit	Quantity	Price	Amount
0202001	Earth Excavation	CY	170	\$40.00	\$6,800
0202101	Rock Excavation	CY	50	\$200.00	\$10,000
0202529	Cut Bituminous Concrete Pavement	LF	200	\$4.00	\$800
0202531	Removal of Bituminous Concrete	CY	190	\$10.00	\$1,900
0212001	Subbase Material	CY	130	\$75.00	\$9,750
0403869A	Reclaim Asphalt Pavement	SY	3,930	\$8.00	\$31,440
0406170	HMA S1.0	Ton	925	\$100.00	\$92,500
0406171	HMA S0.5	Ton	930	\$100.00	\$93,000
0406267	Milling of HMA	SY	935	\$2.50	\$2,338
0406236	Material for Tack Coat	Gal	220	\$100.00	\$22,000
0507001	Type "C" Catch Basin	Each	7	\$3,000.00	\$21,000
0507021	Type "C" Catch Basin Double Grate	Each	4	\$6,000.00	\$24,000
0507656	Storm Manhole	Each	1	\$3,500.00	\$3,500
0507781	Reset Manhole	Each	3	\$500.00	\$1,500
0651012	15" RCP - Storm Drainage	LF	300	\$55.00	\$16,500
0651746	12" PVC - Storm Drainage	LF	700	\$60.00	\$42,000
0811002A	Bituminous Concrete Curb	LF	2,360	\$5.00	\$11,800
0921001	Concrete Sidewalk	SF	2,150	\$20.00	\$43,000
0922501	Bituminous Concrete Driveway	Ton	60	\$155.00	\$9,300
0939001	Sweeping for Dust Control	Hour	100	\$125.00	\$12,500
0942001	Calcium Chloride for Dust Control	Gal	2,500	\$1.30	\$3,250
0943001	Water For Dust Control	M. Gal	1,000	\$2.00	\$2,000
0944002	Furnishing and Placing of Topsoil	SY	1,350	\$5.00	\$6,750
0950015	Turf Establishment	SY	1,350	\$2.00	\$2,700
0970006A	Traffic Person (Municipal Police Officer)	Hour	1,280	\$75.00	\$96,000
1210101	4" White Epoxy Resin Pavement Marking	LF	1480	\$0.60	\$888
1210102	4" Yellow Epoxy Resin Pavement Marking	LF	2210	\$0.60	\$1,326
1210105	Epoxy Resin Legend, Arrows & Markings	SF	770	\$5.00	\$3,850
	Traffic Signal	LS	1	\$225,000.00	\$225,000
	Landscaping	LS	1	\$30,000.00	\$30,000
	Subtotal				\$827,392
0201001	Clearing and Grubbing (3%)	LS	1	\$24,821.75	\$24,822
0980000	Construction Staking (2%)	LS	1	\$16,547.83	\$16,548
0971001	Maintenance and Protection of Traffic (4.0%)	LS	1	\$33,095.66	\$33,096
0975002	Mobilization (7.5%)	LS	1	\$62,054.36	\$62,054
	Subtotal				963,911
25%	Contingencies				240,978
	CONSTRUCTION SUBTOTAL				1,204,889
6%	Construction Administration and Observation				72,293
	CONSTRUCTION AND CA SUBTOTAL				1,278,000
12%	Engineering and Permitting				144,587
	PROJECT TOTAL				1,423,000

Other - Econ. Development

Long Hill Green

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Economic Development - Pequonnock River Trail Extension to Church Hill Road

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

Design costs for the installation of Pequonnock River Trail Extension to Church Hill Road in the vicinity of Potential Community Center.

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

The project will connect the Pequonnock River Trail to Trumbull Hall Campus.

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

Design 2020; Construction 2021

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

Town is looking to obtain Grant Funds (LOTICIP) for the project. Town would pay for design. Grant would pay for construction.

PROJECT DESCRIPTION	CALENDAR YEAR FUNDING					TOTAL
	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024	
Design - PRT Trail Head			180,000			180,000
Construction- PRT Trail Head				1,801,000		1,801,000
						-
						-
						-
						-
						-
						-

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

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

**Economic Development - Church Hill Road/Quality Road
Intersection Improvements**

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

Traffic light installation with Intersection improvements at Church Hill Road and Quality Street.

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

The project will improve the intersection at Church Hill Road and Quality Street. The light will facilitate the potential Community Center & Trail connection to Pequonnock River Trail.

Will this project necessitate staffing increases?

no

What is the general plan and timeline for completion?

2020-2022

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

PROJECT DESCRIPTION	CALENDAR YEAR FUNDING					TOTAL
	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024	
						-
Construction - Church Hill Road/Quality Road Intersection Improvements		144,587	1,277,182			1,421,769
						-
						-
						-
						-
						-
						-

E.D. #1

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

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Economic Development - Long Hill Green
Connection/Patio/Parking

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

Long Hill Green Connectivity

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

The construction of sidewalks along Main Street from Whitney to Gisella on the westside and from Whitney to the northside of the existing Marisa Property will allow safe walkability to pedestrians.

Will this project necessitate staffing increases?

What is the general plan and timeline for completion?

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

PROJECT DESCRIPTION	CALENDAR YEAR FUNDING					TOTAL
	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024	
Long Hill Connectivity - Design/Construction - Connection from Whitney To Governors Ridge & Former Marissa's Restaurant 5		415,000				415,000
						-
						-
						-
						-
						-
						-
						-

ED # 2

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

**TOWN OF TRUMBULL
REQUEST FOR PROJECTS**

as of 11/27/19

DEPARTMENT

Economic Development - White Plains Trail Connection

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

Project elements include:

1. Modifications and signage to the commuter lot to create a dedicated trail head
2. Instalation of sidewalks to the Twin Brooks area to connect the trail in both directions
3. Footbridge installation

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

Connection fro

Will this project necessitate staffing increases?

No

What is the general plan and timeline for completion?

2021-2024

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

Possible grant

PROJECT DESCRIPTION	CALENDAR YEAR FUNDING					TOTAL
	CY 2020	CY 2021	CY 2022	CY 2023	CY 2024	
Design - sidewalk connection from State Parking Lot to Twin brooks Park on WhitePlains road		160,800				160,800
Construction - sidewalk connection from State Parking Lot to Twin brooks Park on WhitePlains road			804,000			804,000
						-
						-
						-
						-
						-
						-

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



STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION
2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546
Phone: (860) 594-2047



January 11, 2018

E.D. # 2

Ms. Vicki Tesoro, First Selectwoman
Town Hall
5866 Main Street
Trumbull, CT 06611

Grant \$400,000

Dear First Selectwoman Tesoro:

Subject: Commitment to Fund Letter
Community Connectivity Grant Long Hill Green Village District
Pedestrian Safety and Access Project
State Project No. 0170-3513
Town of Trumbull

On August 9, 2018, the Town of Trumbull was awarded a grant under the Community Connectivity Grant Program (CCGP) by the State of Connecticut, Department of Transportation (Department).

The Department hereby commits to fund eligible project costs up to the accepted grant amount of \$400,000, based on the estimated costs provided by the Municipality.

This Commitment to Fund is subject to general conditions including, but not limited to the following:

1. The project is to be administered by the Municipality in accordance with the CCGP Guidelines. The guidelines are available at the following: www.ctconnectivity.com under the CCGP tab at the top.
2. The project costs identified in this Commitment to Fund letter are based on the requested amount from the CCGP application. It is understood that the Department has capped CCGP participation in this project at the application estimate and that any additional project costs will be the responsibility of the Municipality. This capped amount may be different than the actual grant payment, which will be based on the approved low bid. The Municipality will be allowed a maximum of 10% for contingencies and 10% for incidentals up to the capped amount.
3. Should the Municipality elect to use municipal forces to perform the construction, a request should be made to the Department with the final design submission.
4. Any project scope revisions must be reviewed and approved by the Department.

E.D. # 2

5. Upon completion of project design activities, and prior to issuing a notice to advertise/proceed, the Municipality must forward a Final Design Submission to the Department which includes the following:
 - a. Complete set of final project plans
 - b. Specifications
 - c. Contract documents
 - d. Final Construction Cost Estimate
 - e. Final Design Submission Documentation Form (template attached)
 - f. Completed General Municipal Certification for Design Activities Form (template attached)

A digital submission via e-mail is preferred.

6. The Municipality must execute and deliver a Project Authorization Letter (PAL) Issued pursuant to the Master Municipal Agreement for Construction Projects and comply with its terms. The PAL will be forwarded to the Municipality for execution subsequent to the receipt of the Final Design Submission package by the Department.

This commitment is further subject to the following project specific conditions:

1. This project may require environmental permits. In accordance with the CCGP Guidelines, the Municipality will be responsible for the acquisition of all environmental permits that may be required. Please be advised that any project that involves work within waters or wetlands may require State and/or Federal environmental permits. It is critical that the Municipality and/or their consultant contact the Connecticut Department of Energy and Environmental Protection (DEEP) Land and Water Resources Division at 860-424-3019, early in the design process to discuss permitting requirements, and to identify specific concerns and design considerations. Failure to establish early communication with DEEP may result in significant time delays in the permitting process, due to the need for design changes and/or denial of permit applications. More information can be found on DEEP's Environmental Permitting Process website at:
https://www.ct.gov/deep/cwp/view.asp?a+2709&q+324232&deepNav_GID=1643.
2. This project may require utility relocations. Coordination with utility companies who have facilities within the project area should begin early in the design process.
3. This project may require work to be performed within the State-owned right-of-way. Any work within or affecting state right-of-way will require an encroachment permit. It is imperative that the design of the improvements proposed under this project be coordinated with the appropriate Department District Office during the design and construction phase. Therefore, it is requested that the municipality contact the Department District Special Services Office listed below early in the design process to review and coordinate the proposed improvements. More information on the encroachment permit process and be found at:
<https://www.ct.gov/dot/cwp/view.asp?A=1394&Q=259544>.

DISTRICT 3 MAINTENANCE

**Mr. Paul Holmes, Special Services Section Manager
Bureau of Highway Operations and Maintenance
140 Pond Lily Avenue
New Haven 06515
Tel: 203-389-3010
Permit Office - Tel: 203-389-3000 or email to Tracy.May@ct.gov**

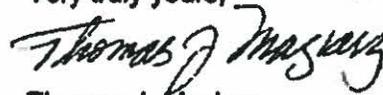
E.D. # 2

Please be informed that, in accordance with the CCGP Guidelines, the Department has initiated an Environmental Screening Review for this project to assist the Municipality in identifying items relative to natural resources, and historical/archeological resources, etc. that may need to be investigated or addressed during the design phase. The Environmental Screening Review is expected to be completed within thirty days (30) days from the date of this letter. The results will be forwarded to the Municipality, upon completion.

If the Municipality accepts this Commitment to Fund, the Municipal Chief Administrative Officer must sign below and return a copy within thirty (30) days from the date of this letter. Transmission via e-mail is acceptable.

If you have any questions, please contact the Project Manager, Mr. Patrick Zapalka, at 860-594-2047 or CTDOT.CCGP@ct.gov.

Very truly yours,



Thomas J. Maziarz
Bureau Chief
Policy and Planning

Concurred by Vicki A. Tesoro Date 1/25/19

Print Name: Ms. Vicki Tesoro, First Selectwoman

Enclosure

cc: Rina Bakalar (Trumbull)
Executive Director METROCOG

E. D.
White Plains Rd.
Trail Connection

**White Plains
Road
Sidewalks**

Trumbull, CT

VERTICAL SCALE
AS SHOWN
AS NOTED
AS NOTED
AS NOTED
AS NOTED

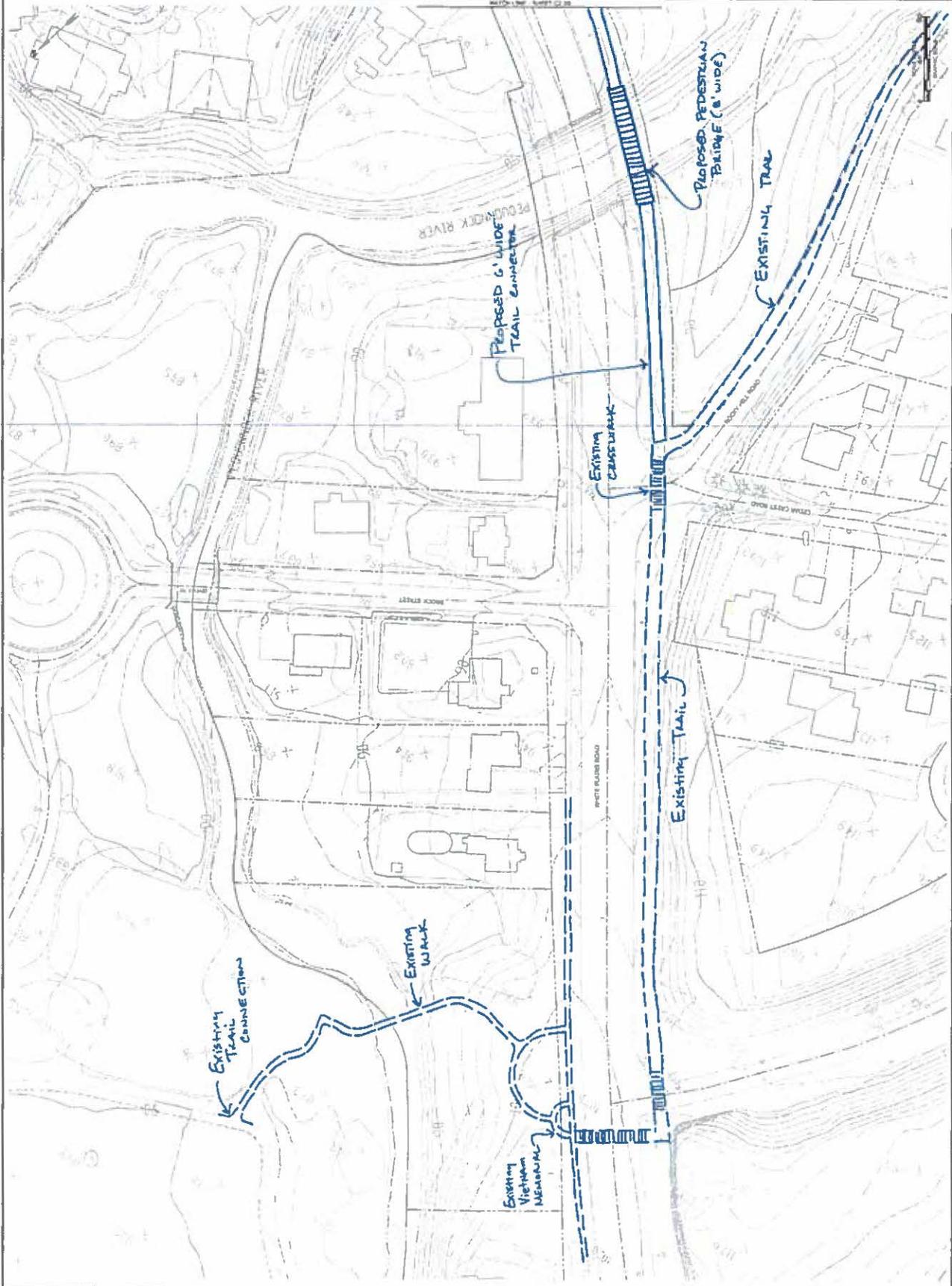
6-17-19

NO.	DATE	DESCRIPTION
1	6-17-19	ISSUED FOR PERMIT
2	6-17-19	ISSUED FOR PERMIT
3	6-17-19	ISSUED FOR PERMIT
4	6-17-19	ISSUED FOR PERMIT
5	6-17-19	ISSUED FOR PERMIT
6	6-17-19	ISSUED FOR PERMIT
7	6-17-19	ISSUED FOR PERMIT
8	6-17-19	ISSUED FOR PERMIT
9	6-17-19	ISSUED FOR PERMIT
10	6-17-19	ISSUED FOR PERMIT

EXISTING CONDITIONS

SCALE 1" = 40'

C1.00



**White Plains
Road
Sidewalks**

Trumbull, CT

VERIFY SCALE
DATE: 11/13/19
BY: [Signature]
CHECKED: [Signature]
SCALE: AS SHOWN

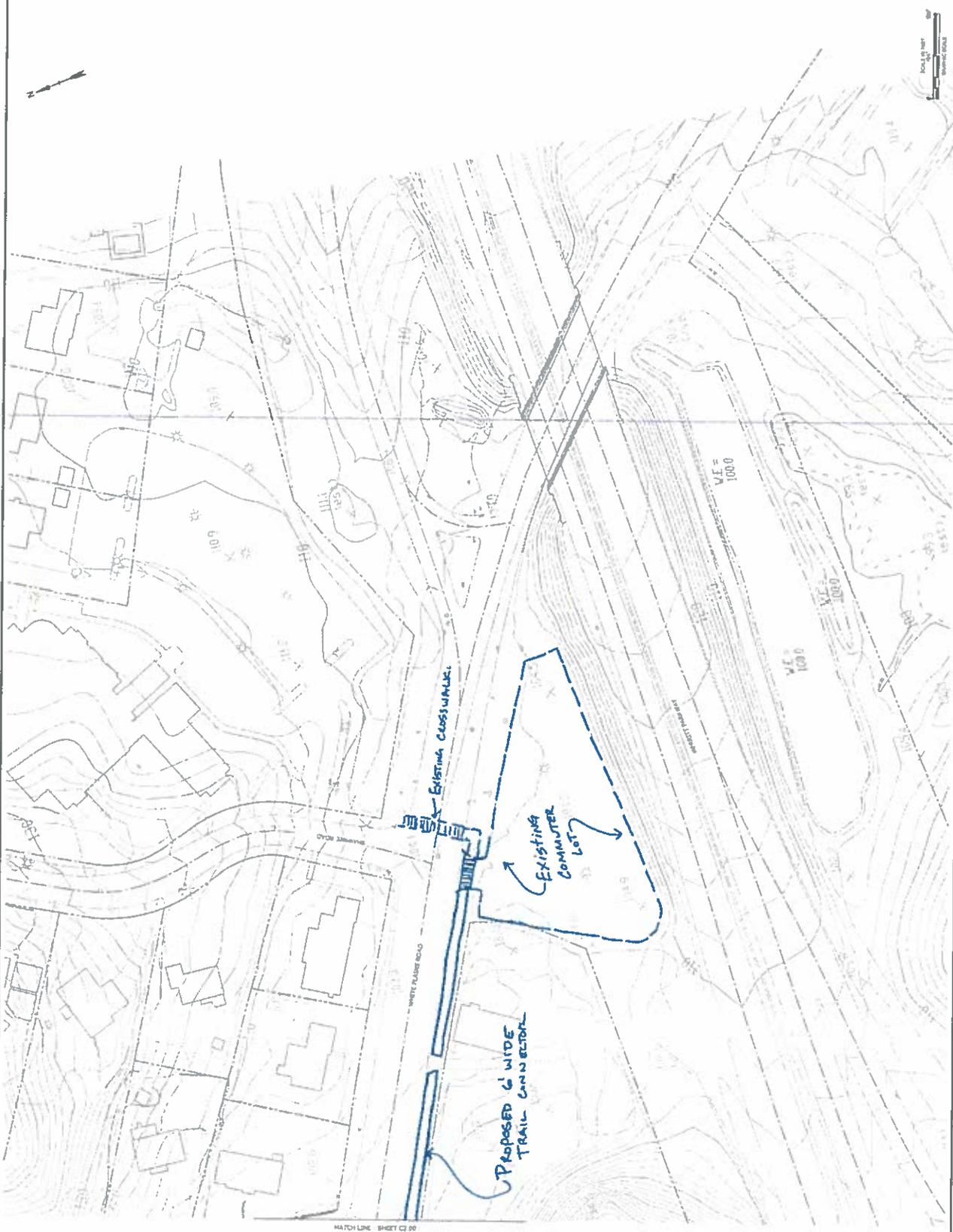
6-17-19

NO.	DATE	DESCRIPTION
1	11/13/19	ISSUED FOR PERMIT
2	06/17/19	ISSUED FOR PERMIT
3	06/17/19	ISSUED FOR PERMIT
4	06/17/19	ISSUED FOR PERMIT
5	06/17/19	ISSUED FOR PERMIT
6	06/17/19	ISSUED FOR PERMIT
7	06/17/19	ISSUED FOR PERMIT
8	06/17/19	ISSUED FOR PERMIT
9	06/17/19	ISSUED FOR PERMIT
10	06/17/19	ISSUED FOR PERMIT

EXISTING CONDITIONS

SCALE: 1" = 30'

C3.00



MATCH LINE SHEET C3.00

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WPCA

**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST
 CONTRACT V - SOUTH NICHOLS AREA
 TOWN OF TRUMBULL, CONNECTICUT
 SANITARY SEWER SYSTEM
 Contract 5**

Item	Qty	Unit	Unit Price	Amount
SANITARY SEWER				
Clearing and Grubbing	1	LS	\$ 5,000	\$ 5,000
6" PVC SAN. LATERALS	3,805	LF	\$ 60	\$ 228,300
STRUCTURAL SUPPORT FOR TRENCH/MANHOLES	0	LS	\$ 400,000	\$ -
2" FORCE MAIN	1,175	LF	\$ 40	\$ 47,000
Individual Lot Pump System	13	Each	\$ 7,500	\$ 97,500
4" FORCE MAIN (40% phase 1 and 60% phase5)	920	LF	\$ 50	\$ 46,000
8" PVC SS 0-10'	6,810	LF	\$ 90	\$ 612,900
8" PVC SS 10-15'	2,861	LF	\$ 95	\$ 271,795
8" PVC SS 15-20'	0	LF	\$ 125	\$ -
8" DIP SS 0-10'	0	LF	\$ 85	\$ -
12" PVC SS 0-10'	675	LF	\$ 110	\$ 74,250
12" PVC SS 10-15'	1,549	LF	\$ 141	\$ 218,409
12" PVC SS 15-20'	715	LF	\$ 200	\$ 143,000
6" PVC TRENCH DRAIN	86	LF	\$ 25	\$ 2,150
48" SMH 0-10'	55	EA	\$ 2,400	\$ 132,000
48" SMH 10-15'	20	EA	\$ 2,400	\$ 48,000
48" SMH 15-20'	6	EA	\$ 4,500	\$ 27,000
48" SMH 20-25'	0	EA	\$ 5,500	\$ -
48" SAN. DROP MH 10-15'	6	EA	\$ 3,600	\$ 21,600
48" SAN. DROP MH 15-20'	1	EA	\$ 5,000	\$ 5,000
48" SAN. DOGHOUSE MH 0-10'	0	EA	\$ 2,500	\$ -
48" SAN. DOGHOUSE MH 20-25'	0	EA	\$ 3,000	\$ -
60" SAN. DROP MH 0-10'	0	EA	\$ 4,000	\$ -
60" SAN. DROP MH 10-15'	0	EA	\$ 4,000	\$ -
Sanitary Sewer Pump Station (complete) (40% phase 1 and 60% phase5)	1	LS	\$ 200,000	\$ 200,000
6" CONC. CHIMNEYS	193	VF	\$ 250	\$ 48,250
CONC. ENCASEMENT	0	CY	\$ 300	\$ -
STREAM, RIVER & CULVERT CROSSING	30	LF	\$ 200	\$ 6,000
TEMPORARY PAVEMENT REPAIR	2,613	SY	\$ 24	\$ 62,706
SAWCUT BITUMINOUS PAVEMENT	24,898	LF	\$ 3	\$ 74,694
PAVEMENT REPAIR (4")	10,451	SY	\$ 35	\$ 365,787
PAVEMENT REPAIR (9")	1,803	SY	\$ 90	\$ 162,280
TRENCH EXCAVATION - ROCK	3,744	CY	\$ 100	\$ 374,400
EASEMENTS	1	LS	\$ 15,000	\$ 15,000
TRAFFIC PERSON (MUNICIPAL POLICE)	1,035	HR	\$ 75	\$ 77,594
Subtotal:				\$ 3,366,616
Lump Sum Items (5%):				\$ 168,331
20% Contingency:				\$ 673,323
Sanitary Sewer Construction Subtotal:				\$ 4,376,601 *
Surveying, Engineering and Permitting			5%	\$ 214,621
Construction Administration and Observation			8%	\$ 350,128
				\$ 564,750 *

Note: These costs are based on a conceptual plan, NOT 100% construction documents.

"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."

Total = \$4,941,347