CAPITAL IMPROVEMENT PLAN NARRATIVE
CY 2016 FUNDING REQUEST

Summaries are listed below. See attached Exhibits for additional information regarding requests.

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, prepared the plan. See **Exhibit A** for the proposal detail.

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. **See Exhibit C.**

Helen Plumb Building:

Mechanical – Two AHU replacements (10 tons Each). Replacement is to be completed in partnership with UI.

Trumbull Library:

Thermal and Moisture Protection – The cost of complete roof replacement is estimated to be a cost of $480,000. Currently the department is requesting approval to replace the older section of the roof at an estimated cost of $190,000.

Mechanical – Coil and condensing unit replacement required. This project is to be completed in partnership with UI.

Town Hall:

Construction – Renovation of Town Hall space to promote functional flow of services provided to the public. The current amount listed represents a placeholder amount for this project. Design work is anticipated to take place in CY16.

Miscellaneous – Complete upgrade of existing fire/security system.

Miscellaneous – Video System – Council Chambers – Amount represents cost to replace the existing video camera system in the Council Chambers. Cost is based on results of Bid #6136, attached.

Miscellaneous – Telephone System – The current phone system is out of date and subject to numerous issues. A few years back an upgrade of the system was looked into. At that time the estimated cost was in the neighborhood of $220k town-wide. The current amount listed in the plan represents the initial findings with an allowance for an increase in cost due to the passage of time.

Police Headquarters:

Finishes – Replacement of old/worn flooring – VCT.

Thermal and Moisture Protection - See attached quote/photos regarding repointing and sealing of exterior of building. Quote provided is for one section of the building. Per Allen White, estimated cost for complete building will be approximately $90,700.

Miscellaneous – Installation of Keyless Entry system per attached quote.

Miscellaneous – Completion of Cell Block door modifications

Miscellaneous – Estimated Design Fee for renovations/expansion of existing locker room.

Senior Center:

Electrical – Replace existing lighting on second floor with LED lighting. This project is to be completed in partnership with UI.

Mechanical – Replacement of two 20ton ATU's. This project is to be completed in partnership with UI.

Mechanical – Installation of boiler controls. This project is to be completed in partnership with UI.

Construction – Placeholder for estimated costs related to the design of a new Senior/Community Center.

EMS Building:

Site Construction – The EMS department is requesting a building study to be done at this time and have estimated the facility study to cost approximately $50,000. See attached for further information regarding the need for the study.

PARK IMPROVMENTS

See **Exhibit D** for Narrative and supporting documentation for improvements being requested by the Director of Parks and Recreation.

FLEET & EQUIPMENT

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. **See Exhibit E** for estimated pricing for this year's equipment purchase request.

Cost estimates are as follows:

Snowplow/Sander: Based on current pricing per attached documentation for chassis and sander. Pricing reflects state bid rates with a 10% adjustment to reflect historical price increasing year to year on state contracts.

John Deer Backhoe – Requesting purchase of a new piece of equipment to fulfill the needs/versatility of the department.

Screenall – Replacement of existing REED Screenall, which is reaching the end of its useful life.

EMS – Ambulance pricing based on most recent purchase, documents attached.

ECONOMIC DEVELOPMENT

See attached **Exhibit F** regarding the modernization of the Long Hill Green in light of recent business development in this area.

ENGINEERING

Colony Road-Sedimentation Removal Design – This project is proposed to initiate a design to remove sedimentation build up from the wetland area in the vicinity of Colony Road and Blackhouse Road. Right of Entry agreements would have to be executed between Property owner and Town of Trumbull.

Design is required to obtain appropriate permits from local governing agencies as well as a potential permit from appropriate State agencies. Construction is proposed for 2017.

Bassik Road– Culvert Expansion - This project is proposed to install headwalls on both sides of the culvert located at the intersection of Bassick Road and Blackhouse Road.

Lake Ave – Sedimentation Removal Design- This project is proposed to initiate a design to remove sedimentation build up from the wetland area on the south side of Lake Ave approximately 100 feet east of Main Street. This work is proposed to occur on Town property. A Right of Entry Agreement would have to be executed between property owner and Town of Trumbull for one location in this area. Design is required to obtain appropriate permits from local governing agencies as well as a potential permit from appropriate State agencies. Construction is proposed for 2017.

Route 111 – Pequonnock Multi Use Trail Crossing - This project is proposed to modify the trail crossing at Route 111 and Old Mine Road. Modifications to the roadway pavement markings and installation of textured pavement crossing are proposed. In addition, Rapid Beacon Flashing Lights are proposed.

Route 111/Old Mine Road – Intersection Design – This project is proposed to initiate a design for a new roadway intersection. The amount proposed reflects 50% of the design cost. It is anticipated that private funds would account for the remaining 50%. It is also anticipated that a project application will be submitted to the State of Connecticut to fund the construction phase.

Whitney Ave – Pequonnock Multi Use Trail Crossing – This project is proposed to modify the trail crossing at Whitney Ave. Installation of additional roadway pavement markings and additional signs are proposed. In addition, Rapid Beacon Flashing Lights are proposed.

Town Wide Bridges – Design/Construction for Town wide Inspection- This project is proposed to begin design and implement improvements on Town Bridges relating to scour remediation. Prioritization will be based on On-Call Structural Engineer's recommendation. Schedule G for details

~~See Exhibit G for further details.~~

ENTERPRISE

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

Various Roads – Town Wide Repairs –This project is proposed to initiate improvements to various areas of the sanitary sewer system. The WPCA funds pipe video inspections and the funds associated with this item is proposed to repair these areas on an as-needed basis.

Beardsley Pump Station – Flow Analysis - This project is proposed to begin the design analysis to re-direct sewage flow from Trumbull's main discharge point to potentially a different jurisdiction. The amount proposed reflects design costs for 2016. Additional funds for this task will be requested in out years.

Town Wide – Emergency Bypass Forcemain Connection - This project is proposed to create a bypass connection into the existing forcemain alongside various Pump Stations. In the event of complete pump

failure at the pump stations, this new bypass connection would allow the WPCA to install a portable bypass pump and tie into this new forcemain connection.

Town Wide – Emergency Bypass Portable Pump w/ Trailer – This project is proposed to purchase a portable bypass pump. The pump is proposed to be used in the event of an existing pump failure at various pump stations.

Park Ave Pump Station-Pump Station Design - This project is proposed to initiate a design of the Park Ave Pump Station reconstruction. The WPCA initiated a Town Wide pump station analysis and Park Ave pump station was recommended for replacement based on age, current codes and amount of pump station repairs.

See **Exhibit H** for further details.

EXHIBIT C

Lisa Lobuono UI Partnership Items

From: Allen White
Sent: Tuesday, October 13, 2015 9:52 AM
To: Lisa Lobuono
Subject: FW: 2016 Budgeting

From: Luca Petracca [mailto:LPetracca@ECESDDC.COM]
Sent: Friday, October 09, 2015 3:13 PM
To: Allen White
Subject: FW: 2016 Budgeting

1. Main Library. Condensing Unit 50 ton. Replace coil and condensing unit. $ 60,000.00 in partnership with UI. Incentives 15% $9,000.00 FY2016
2. EMS. RTU replacement 2-15 ton RTU units $54,000.00 in partnership with UI. Incentives 15% $ 8,100.00 FY 17
3. PD. RTU replacement 1-4. 75 ton total $180,000. Controls & 18 VAV boxes $109,000.00 total $289,000.00 In partnership with UI. Incentives 30% $67,200.00 FY2018
4. Senior Center 2nd floor lighting/LED $ 67,000. HVAC replacement 2-20 ton AHU's $88,000.00 Boiler controls and radiation controls $42,000.00 In partnership with UI. Incentives 30% Incentives FY2016
5. Trumbull Town Hall Basement unit. Electric heat to gas. $46,000.00 Add fresh air ducts and exhaust fan. In partnership with UI. Incentives 20% $9,200.00 FY2017
6. Hellen Plum 2 AHU replacement 10 ton each. $42,000.00 In partnership with UI. Incentives at 15%. $6,300.00 FY 2016

Thank You

EARTH CORE ENERGY SERVICES

Luca Petracca EE| President

Earth Core Energy Services
73 Waterbury Road Unit 2
Prospect, CT | 06712
Office: 475.235.2837
Cell: 203.819.2473

Allen White

From: Paul Lisi <PLisi@Antinozzi.com>
Sent: Friday, September 11, 2015 3:19 PM
To: Allen White
Subject: trumbull roof projects

Allen,
The following are estimates on the roof projects including A/E fees:

EMS	$150,000
Health Dept.	$130,000
Library	$480,000 — old portion, put in $190,000 Estimate

Thank you

Paul A. Lisi, AIA
Principal, Architecture Studio
ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS
271 Fairfield Avenue
Bridgeport, Connecticut 06604
TEL (203) 377-1300
FAX (203) 378-3002
www.antinozzi.com

TOWN OF TOWN TRUMBULL
BID RESULTS

Results for Bid 6136 Town of Trumbull REQUEST FOR PROPOSAL

RFP# 6136 Trumbull Community Television/ IT - Town Hall Council Chambers

DUE: JULY 20, 2015 at 3:00 PM

COMPANY	Base Bid Proposal includes #1 &2	2 DIFFERENT DISPLAY PRICES TO BE ADDED TO BASE BID	ALTERNATE 1 OPTION IS THAT THE NEW SYSTEM IS ABLE TO BE SETUP AND TIMED RECORDING WITHOUT THE USE OF AN OPERATOR	TOTAL BASE BID PLUS DIPLAYS
DNR LABORATORIES	$30,794.00	70 INCH DSPLAYS $12,574.00	INCLUDED IN BASE BID	$43,368.00
DNR LABORATORIES	$30,794.00	42 INCH DSPLAYS TOTAL $6,954.00	INCLUDED IN BASE BID	$37,748.00

TOWN OF TRUMBULL, CONNECTICUT
REQUEST FOR PROPOSAL (RFP)

Trumbull Community Television/ IT - Town Hall Council Chambers

BID NUMBER 6136 **DUE: JULY 20, 2015 3:00PM**

GENERAL INSTRUCTIONS TO BIDDERS

The Town of Trumbull, Connecticut (hereinafter referred to as Town), through the Office of the Purchasing Agent, will accept sealed bids from qualified suppliers (herein after referred to as vendor, firm or bidder) as detailed herein for **THE PROJECT IS TO REPLACE THE CURRENT VIDEO RECORDING SYSTEM IN THE TOWN HALL COUNCIL CHAMBERS FOR A SYSTEM UPGRADE** and in accordance with the enclosed Terms and conditions, specifications, and requirements.

The Town Hall Council Chambers is located in the Town Hall 2nd Floor 5866 Main Street Trumbull CT, 06611.
An Optional on Site PRE BID meeting will be held for any and all prospective bidders to this request on Thursday, July 9, 2015 at 9:30 located in the Town Hall 2nd Floor 5866 Main Street Trumbull CT, 06611

1. **PREPARATION OF PROPOSALS**
Bids shall be submitted by using the BID PROPOSAL FORM that accompanies this request. Submit one (1) ORIGINAL and one (1) EXACT COPY. Bidders should submit bids in a clear, concise and legible manner to permit proper evaluation of responsive bids.

2. **BID SUBMISSION**
Bids are to be submitted in a sealed envelope clearly marked and addressed as follows:

Bid 6136 Due JULY 20, 2015 @ 3PM
Kevin Bova
Purchasing Agent
Town of Trumbull
5866 Main Street
Trumbull, CT 06611

Please be advised that the person signing the formal proposal must be authorized by your organization to contractually bind your firm with regard to prices and related contractual obligations for the delivery period requested.

3. **BID TIME**
   a) Bids shall be received at the office of the Purchasing Agent, Town Hall, prior to the advertised hour of opening, at which time all proposals will be publicly opened and read aloud.
   b) A bidder may withdraw a proposal at any time prior to the above scheduled date and time. **Any bid received after the above scheduled date and time shall not be considered or opened.**
   c) All bid documents contained herein must be completed in their entirety; failure to do so may disqualify a bid submittal.

4. **TOWN OPTIONS**
   a) The Town of Trumbull reserves the right to reject any and all bids and does not bind itself to accept the lowest bid or any proposal. The Town reserves the right to ask for new bids in whole or in part, or to reject any or all bids, or any part thereof, and to waive any requirements, irregularities, technical defects or service therein when it is deemed to be in the best interest of the Town.
   b) If a bid proposal does not meet or better the required specifications, requirements, and scope of work requested on all points that must be outlined in a letter attached to the bid proposal otherwise it will be presumed that the bid as proposed is in accordance with the required specifications.

c) If your product does not meet or better the required specifications on all points that must be outlined in a letter otherwise it will be presumed that a proposal is in accordance with the required specifications.
d) In addition to consideration of a favorable bid, the Purchasing Department may give consideration to the most favorable delivery date and past experience.

5. **TAXES**

All purchases made by the Town, and associated with the award of this requirement shall be tax exempt. Any taxes must not be included in bid prices. A Town Tax Exemption Certificate shall be furnished upon request.

6. **OPTIONAL PRE BID MEETING AND INQUIRIES**

A Optional on Site PRE BID meeting will be held for any and all prospective bidders to this request on Thursday, July 9, 2015 at 9:30 located in the Town Hall 2nd Floor 5866 Main Street Trumbull CT, 06611

All inquiries regarding this request shall be answered up to the close of business on **July 14, 2015,** after which time no additional questions will be accepted. To ensure consistent interpretation of certain items, answers to questions the Town deems to be in the interest of all bidders will be made available in writing or by Fax as appropriate to all bidders. Inquiries of a technical nature may be directed to our Trumbull Community Television Byron Campbell at **byron.campbell@firelightmedia.net** or Phone 203-209-8217 all other questions shall be directed to Kevin Bova **203.452.5042 kbova@trumbull-ct.gov**

It is the sole responsibility of a bidder to verify any addendums that may have been issued relating to this request prior to submission of a proposal. Any notice of addendum shall be published on the Town website. Failure to submit a response that does not address any changes or addendums may result in a disqualification of a proposal submission.

Additionally, after proposals are received, the Town reserves the right to communicate with any or all of the bidders to clarify the provisions of Proposals. The Town further reserves the right to request additional information from any bidder at any time after proposals are opened.

7. **AWARD AND AUTHORITY**

Award will be on Base bid.

The Town Purchasing Agent will issue notification of award in writing or with a formal Purchase Order.

8. **PRICING**

All prices quoted are to be firm for a period of one (1) year following bid opening. Special Consideration will be given to responses with extended firm price dates. The Town is always interested in any and all cost reduction opportunities.

9. **ASSIGNMENT OF RIGHTS, TITLES, AND INTERESTS**

Any assignment or subcontracting by a bidder, vendor, or contractor for work to be performed, or goods and/or services to be provided, in whole or in part, and any other interest in conjunction with a Town procurement shall not be permitted without the express written consent of the Town of Trumbull.

10. **HOLD HARMLESS CLAUSE**

The Bidder further agrees to indemnify, hold harmless and defend the Town from and against any and all liability for loss, damage or expense which the Town may suffer or for which the Town may be held liable by reason of injury, including death, to any person or damage to any property arising out of or in any manner connected with the operations to be performed under this Contract, whether or not due in whole or in part of any act, omission or negligence of the Owner or any of his representatives or employees.

11. **WORK REGULATIONS AND STANDARDS**

All work activities performed in association with this request must be performed and completed for the Town in accordance with current Federal State and Local regulations. All services performed shall also conform to the latest OSHA standards and/or regulations.

12. CONFLICT OF INTEREST

No purchase shall be made from nor shall services (other than services as an officer, agent, or employee of the Town) be secured from any officer or employee of the Town, or from any partnership or corporation in which such officer or employee is a partner or officer, or holds a substantial interest, unless such relationship and the fact that such purchase is contemplated shall be made known in writing to the agency making such purchase, and notice thereof posted, for at least five (5) days before such purchase be made , in the office of the agency making such purchase and in a public place in the Trumbull Town Hall.

13. ADENDUMS

It is the responsibility of the bidder to verify prior to final submittal of a bid or bid if any addenda to this request have been issued. Any addenda to this request shall be posted on the Town of Trumbull website www.trumbull-ct.gov under the Purchasing Department's section. Bidders may also call the Purchasing Department directly 203.452.5031 for inquiries regarding addenda.

14. REFERENCES

All responders to this request shall submit with their proposal (See Attached Form) at least five (5) references for products supplied similar to those required herein. (List primary contact names, addresses and phone numbers, etc.). It is the intention of the Town to contact all references listed.

TOWN OF TRUMBULL, CONNECTICUT
REQUEST FOR PROPOSAL (RFP)

Trumbull Community Television/ IT - Town Hall Council Chambers

BID NUMBER 6136 DUE: JULY 20, 2015 3:00PM

REQUIREMENTS AND SPECIFICATIONS - TERMS & CONDITIONS,

Council Chambers Town Hall - Video Recording and Distribution with Sound System Upgrade

Trumbull Community Television/ IT - Town Hall Council Chambers

The project is to replace the current Video Recording system in the chambers. The system will be forward thinking. The system requirement is there be at least 3 PTZ HD cameras. - 1 video switcher - monitors - Computer - Audio bridge or DA - Installation and Training. System will automatically record, and encode the file to be sent directly to the Trumbull TCT VOD system.

1. Install 3 new Sony PTZ HD Cameras
2. Install 1 tricaster in rack with monitors – wire to network for live streaming and archiving direct to Channel 17 server

3. Install wide shot camera in back of room for static meeting
4. Install 1 VGA/HDMI to SDI Laptop/Computer scaler to capture power point
5. Install 1 Service Computer
6. Install 1 Audio Distribution Amp to manage all audio
7. Install 1 touch screen for simple control of system
8. Provide half day training for user

The other need is for an image magnification for plans, computer screens or other drawings and illustrations for the public to be able to see the images without needing to have the screen down and then not be able to use the seating for comity members. Solution is for there to be mounted monitors on the walls and to be used within the system that is to be recorded via the TCT program.

1. Mount both displays
2. Install power for both displays
3. Pull cat6 to each display
4. Install HDMI RX at each display
5. Install input plate on chamber floor for HDMI/VGA 6. Wire plate to displays
7. Test and setup

Another option is that the new system is able to be setup and timed recording without the use of an operator. Not the optimal solution but one that should be looked into.

TOWN OF TRUMBULL, CONNECTICUT
REQUEST FOR PROPOSAL (RFP)

Trumbull Community Television/ IT - Town Hall Council Chambers

BID NUMBER 6136 **DUE: JULY 20, 2015 3:00PM**

PROPOSAL

Please include installation of New equipment and removal of old

Base BID

1) The project is to replace the current Video Recording system in the chambers. The system will be forward thinking. The system requirement is there be at least 3 PTZ HD cameras. - 1 video switcher - monitors - Computer - Audio bridge or DA - Installation and Training. System will automatically record, and encode the file to be sent directly to the Trumbull TCT VOD system.

Item #	Qty	Item Description	Proposed Bid Price
PTZ HD Cameras	3	Install 3 new Sony PTZ HD Cameras	$
1 tricaster in rack with monitors	1	wire to network for live streaming and archiving direct to Channel 17 server	$
Wide shot Camera	1	Install wide shot camera in back of room for static meeting	$
VGA/HDMI	1	Install 1 VGA/HDMI to SDI Laptop/Computer scaler to capture power point	$
Service Computer	1	Install 1 Service Computer	$
	1	Install 1 touch screen for simple control of system	$
		Provide half day training for user	$
		Total price =	$

2) The other need is for an image magnification for plans, computer screens or other drawings and illustrations for the public to be able to see the images without needing to have the screen down and then not be able to use the seating for comity members. Solution is for there to be mounted monitors on the walls and to be used within the system that is to be recorded via the TCT program.

Mount both displays
2. Install power for both displays
3. Pull cat6 to each display
4. Install HDMI RX at each display
5. Install input plate on chamber floor for HDMI/VGA 6. Wire plate to displays
7. Test and setup

$_____

Phone System

Telserv L.L.C
98 South Turnpike Rd.
Wallingford, CT 06492

Schedule 1

Town of Trumbull
Avaya IP Office
May 9, 2012

QTY	Part #	Description	Unit	Total
		IP Office		
		Town Hall / Main		
1	700476005	IP OFFICE 500 VERSION 2 CONTROL UNIT	$ 495.43	$ 495.43
1	267786	IP OFFICE R8+ ESSENTIAL EDITION+ LIC:DS	$ 377.29	$ 377.29
1	700500699	IP OFFICE IP500 EXPANSION MODULE DS16A DIGITAL STATION RJ21	$1,746.20	$ 1,746.20
2	700500698	IP OFFICE IP500 EXPANSION MODULE DS30A DIGITAL STATION RJ21	$2,873.50	$ 5,746.99
1	700502693	IP OFFICE R8+ TTS PRO DVD SET	$ 14.48	$ 14.48
1	700502043	IP OFFICE R8.0 APPLICATION SERVER DVD	$ 14.48	$ 14.48
1	700502042	IP OFFICE R8.0 USER/ADMIN SET DVD	$ 14.48	$ 14.48
9	205650	IP OFFICE LICENSE IP500 VOICE NETWORKING ADD 4 LIC:CU	$ 529.73	$ 4,767.61
1	269480	IP OFFICE LICENSE PREFERRED R8+ (VOICE MAIL PRO) RFA LIC:DS	$1,444.37	$ 1,444.37
1	700479710	IP OFFICE IP500 V2 SYSTEM SD CARD MU-LAW	$ 38.12	$ 38.12
1	215182	IP OFFICE LICENSE IP500 UNI PRI ADD 32 T1 CHANNELS LIC:CU	$2,096.04	$ 2,096.04
1	174462	IP OFFICE LICENSE VOICEMAIL PRO RFA 16 LIC:CU	$7,618.18	$ 7,618.18
1	174460	IP OFFICE LICENSE VOICEMAIL PRO RFA 4 LIC:CU	$2,191.33	$ 2,191.33
6	700213440	IP OFFICE CABLEISDN RJ45/RJ45 3M RED	$ 3.65	$ 21.92
5	700289770	IP OFFICE - POWER LEAD (EARTHED) US	$ 11.43	$ 57.17
1	700500758	IP OFFICE IP500 EXTENSION CARD TCM-8 DIGITAL STATION 8	$ 419.20	$ 419.20
2	700476013	IP OFFICE 500 VERSION 2 COMBINATION CARD ATM	$ 457.32	$ 914.64
1	700417462	IP OFFICE 500 TRUNK CARD PRIMARY RATE UNIVERSAL DUAL	$1,211.90	$ 1,211.90
4	700429202	IP OFFICE IP500 RACK MOUNTING KIT	$ 45.73	$ 182.93
1	269810	DL120G7 SERVER UC IP OFFICE R8+	$2,667.70	$ 2,667.70
1		Misc. Materials	$ 74.64	$ 74.64
2	ATDB15F-8	T-1 connector; 8 cond. RJ45 jack to female 15-pin DB (Allen Tel Product)	$ 4.67	$ 9.33

1		19" racking	$ 373.19	$ 373.19
2	SE-2-7032-48	48P RJ45 UNIV CAT5E RACK MT Cat5e	$ 250.78	$ 501.57
1	SE-2-7030-24	24P RJ45 UNIV CAT5E RACK MT Cat5e	$ 111.96	$ 111.96
110	:5E114BU5FB	5 foot patch cord blue	$ 3.43	$ 377.83
3	MA-HCM-1D	1U Patch cord manager	$ 35.45	$ 106.35
4	25CX25	PBX 25 Pair Cables - 25'	$ 29.33	$ 117.33
		Town Hall Annex		
1	700476005	IPO IP500 V2 CNTRL UNIT	$ 495.43	$ 495.43
1	267786	IPO R8+ ESSNTL EDITION+ LIC	$ 377.29	$ 377.29
1	700502043	IPO R8.0 APPL SRVR DVD	$ 14.48	$ 14.48
1	700502042	IPO R8.0 USER/ADMIN SET DVD	$ 14.48	$ 14.48
1	205650	IPO LIC IP500 VCE NTWKG ADD 4 LIC:CU	$ 529.73	$ 529.73
1	700479710	IPO IP500 V2 SYS SD CARD MUL	$ 38.12	$ 38.12
4	700213440	IPO/B5800 ISDN RJ45/RJ45 3M RED	$ 3.65	$ 14.61
1	700289770	IPO/B5800 PWR LEAD (EARTHED) US	$ 11.43	$ 11.43
1	700500758	IPO IP500 EXTN CARD TCM-8 DGTL STA 8	$ 419.20	$ 419.20
2	700476013	IPO/B5800 IP500 V2 COMB CARD ATM	$ 457.32	$ 914.64
1	700429202	IPO/B5800 IP500 RACK MNTG KIT	$ 45.73	$ 45.73
1		Misc. Materials	$ 37.32	$ 37.32
1		19" racking	$ 373.19	$ 373.19
1	SE-2-7030-24	24P RJ45 UNIV CAT5E RACK MT Cat5e	$ 111.96	$ 111.96
15	:5E114BU5FB	5 foot patch cord blue	$ 3.43	$ 51.52
1	MA-HCM-1D	1U Patch cord manager	$ 35.45	$ 35.45
1	25CX25	PBX 25 Pair Cables - 25'	$ 29.33	$ 29.33
		Library 33 Quality St.		
1	700476005	IPO IP500 V2 CNTRL UNIT	$ 495.43	$ 495.43
1	267786	IPO R8+ ESSNTL EDITION+ LIC	$ 377.29	$ 377.29
1	700500699	IPO IP500 EXP MOD DS16A DGTL ST RJ21	$1,746.20	$ 1,746.20
1	700502043	IPO R8.0 APPL SRVR DVD	$ 14.48	$ 14.48
1	700502042	IPO R8.0 USER/ADMIN SET DVD	$ 14.48	$ 14.48
1	205650	IPO LIC IP500 VCE NTWKG ADD 4 LIC:CU	$ 529.73	$ 529.73
1	700479710	IPO IP500 V2 SYS SD CARD MUL	$ 38.12	$ 38.12
2	215181	IPO LIC IP500 T1 ADD 8CH	$ 556.40	$ 1,112.81
3	700213440	IPO/B5800 ISDN RJ45/RJ45 3M RED	$ 3.65	$ 10.96
2	700289770	IPO/B5800 PWR LEAD (EARTHED) US	$ 11.43	$ 22.87
2	700500758	IPO IP500 EXTN CARD TCM-8 DGTL STA 8	$ 419.20	$ 838.41
2	700476013	IPO/B5800 IP500 V2 COMB CARD ATM	$ 457.32	$ 914.64
1	700417439	IPO/B5800 IP500 TRNK PRI UNVRSL SNGL	$ 724.09	$ 724.09
2	700429202	IPO/B5800 IP500 RACK MNTG KIT	$ 45.73	$ 91.47
1		Misc. Materials	$ 37.32	$ 37.32
1		19" racking	$ 373.19	$ 373.19
1	SE-2-7032-48	48P RJ45 UNIV CAT5E RACK MT Cat5e	$ 250.78	$ 250.78
40	:5E114BU5FB	5 foot patch cord blue	$ 3.43	$ 137.39
1	MA-HCM-1D	1U Patch cord manager	$ 35.45	$ 35.45
2	25CX25	PBX 25 Pair Cables - 25'	$ 29.33	$ 58.67
1	ATDB15F-8	T-1 connector; 8 cond. RJ45 jack to female 15-pin DB (Allen Tel Product)	$ 4.67	$ 4.67
		Fairchild Library		
1	700476005	IPO IP500 V2 CNTRL UNIT	$ 495.43	$ 495.43
1	267786	IPO R8+ ESSNTL EDITION+ LIC	$ 377.29	$ 377.29
1	700502043	IPO R8.0 APPL SRVR DVD	$ 14.48	$ 14.48
1	700502042	IPO R8.0 USER/ADMIN SET DVD	$ 14.48	$ 14.48

1	205650	IPO LIC IP500 VCE NTWKG ADD 4 LIC:CU	$ 529.73	$ 529.73
1	700479710	IPO IP500 V2 SYS SD CARD MUL	$ 38.12	$ 38.12
2	700213440	IPO/B5800 ISDN RJ45/RJ45 3M RED	$ 3.65	$ 7.31
1	700289770	IPO/B5800 PWR LEAD (EARTHED) US	$ 11.43	$ 11.43
1	700500758	IPO IP500 EXTN CARD TCM-8 DGTL STA 8	$ 419.20	$ 419.20
1	700476013	IPO/B5800 IP500 V2 COMB CARD ATM	$ 457.32	$ 457.32
1	700429202	IPO/B5800 IP500 RACK MNTG KIT	$ 45.73	$ 45.73
1		Misc. Materials	$ 37.32	$ 37.32
1		19" racking	$ 373.19	$ 373.19
1	SE-2-7030-24	24P RJ45 UNIV CAT5E RACK MT Cat5e	$ 111.96	$ 111.96
15	:5E114BU5FB	5 foot patch cord blue	$ 3.43	$ 51.52
1	MA-HCM-1D	1U Patch cord manager	$ 35.45	$ 35.45
1	25CX25	PBX 25 Pair Cables - 25'	$ 29.33	$ 29.33
		Senior Center / Social Services		
1	700476005	IPO IP500 V2 CNTRL UNIT	$ 495.43	$ 495.43
1	267786	IPO R8+ ESSNTL EDITION+ LIC	$ 377.29	$ 377.29
1	700502043	IPO R8.0 APPL SRVR DVD	$ 14.48	$ 14.48
1	700502042	IPO R8.0 USER/ADMIN SET DVD	$ 14.48	$ 14.48
1	205650	IPO LIC IP500 VCE NTWKG ADD 4 LIC:CU	$ 529.73	$ 529.73
1	700479710	IPO IP500 V2 SYS SD CARD MUL	$ 38.12	$ 38.12
2	215181	IPO LIC IP500 T1 ADD 8CH	$ 556.40	$ 1,112.81
3	700213440	IPO/B5800 ISDN RJ45/RJ45 3M RED	$ 3.65	$ 10.96
1	700289770	IPO/B5800 PWR LEAD (EARTHED) US	$ 11.43	$ 11.43
2	700500758	IPO IP500 EXTN CARD TCM-8 DGTL STA 8	$ 419.20	$ 838.41
1	700476013	IPO/B5800 IP500 V2 COMB CARD ATM	$ 457.32	$ 457.32
1	700417439	IPO/B5800 IP500 TRNK PRI UNVRSL SNGL	$ 724.09	$ 724.09
1	700429202	IPO/B5800 IP500 RACK MNTG KIT	$ 45.73	$ 45.73
1		Misc. Materials	$ 37.32	$ 37.32
1		19" racking	$ 373.19	$ 373.19
1	SE-2-7030-24	24P RJ45 UNIV CAT5E RACK MT Cat5e	$ 111.96	$ 111.96
20	:5E114BU5FB	5 foot patch cord blue	$ 3.43	$ 68.70
1	MA-HCM-1D	1U Patch cord manager	$ 35.45	$ 35.45
1	25CX25	PBX 25 Pair Cables - 25'	$ 29.33	$ 29.33
1	ATDB15F-8	T-1 connector; 8 cond. RJ45 jack to female 15-pin DB (Allen Tel Product)	$ 4.67	$ 4.67
		VO-AG		
1	700476005	IPO IP500 V2 CNTRL UNIT	$ 495.43	$ 495.43
1	267786	IPO R8+ ESSNTL EDITION+ LIC	$ 377.29	$ 377.29
1	700500699	IPO IP500 EXP MOD DS16A DGTL ST RJ21	$1,746.20	$ 1,746.20
1	700502043	IPO R8.0 APPL SRVR DVD	$ 14.48	$ 14.48
1	700502042	IPO R8.0 USER/ADMIN SET DVD	$ 14.48	$ 14.48
1	205650	IPO LIC IP500 VCE NTWKG ADD 4 LIC:CU	$ 529.73	$ 529.73
1	700479710	IPO IP500 V2 SYS SD CARD MUL	$ 38.12	$ 38.12
2	215181	IPO LIC IP500 T1 ADD 8CH	$ 556.40	$ 1,112.81
3	700213440	IPO/B5800 ISDN RJ45/RJ45 3M RED	$ 3.65	$ 10.96
2	700289770	IPO/B5800 PWR LEAD (EARTHED) US	$ 11.43	$ 22.87
1	700500758	IPO IP500 EXTN CARD TCM-8 DGTL STA 8	$ 419.20	$ 419.20
2	700476013	IPO/B5800 IP500 V2 COMB CARD ATM	$ 457.32	$ 914.64
1	700417439	IPO/B5800 IP500 TRNK PRI UNVRSL SNGL	$ 724.09	$ 724.09
2	700429202	IPO/B5800 IP500 RACK MNTG KIT	$ 45.73	$ 91.47
1		Misc. Materials	$ 37.32	$ 37.32
1		19" racking	$ 373.19	$ 373.19

1	SE-2-7032-48	48P RJ45 UNIV CAT5E RACK MT Cat5e	$ 250.78	$ 250.78
32	C5E114BU5FB	5 foot patch cord blue	$ 3.43	$ 109.91
1	MA-HCM-1D	1U Patch cord manager	$ 35.45	$ 35.45
2	25CX25	PBX 25 Pair Cables - 25'	$ 29.33	$ 58.67
1	ATDB15F-8	T-1 connector; 8 cond. RJ45 jack to female 15-pin DB (Allen Tel Product)	$ 4.67	$ 4.67
		Highway Building Department		
1	700476005	IPO IP500 V2 CNTRL UNIT	$ 495.43	$ 495.43
1	267786	IPO R8+ ESSNTL EDITION+ LIC	$ 377.29	$ 377.29
1	700502043	IPO R8.0 APPL SRVR DVD	$ 14.48	$ 14.48
1	700502042	IPO R8.0 USER/ADMIN SET DVD	$ 14.48	$ 14.48
1	205650	IPO LIC IP500 VCE NTWKG ADD 4 LIC:CU	$ 529.73	$ 529.73
1	700479710	IPO IP500 V2 SYS SD CARD MUL	$ 38.12	$ 38.12
2	215181	IPO LIC IP500 T1 ADD 8CH	$ 556.40	$ 1,112.81
1	700213440	IPO/B5800 ISDN RJ45/RJ45 3M RED	$ 3.65	$ 3.65
1	700289770	IPO/B5800 PWR LEAD (EARTHED) US	$ 11.43	$ 11.43
3	700500758	IPO IP500 EXTN CARD TCM-8 DGTL STA 8	$ 419.20	$ 1,257.61
1	700476013	IPO/B5800 IP500 V2 COMB CARD ATM	$ 457.32	$ 457.32
1	700417439	IPO/B5800 IP500 TRNK PRI UNVRSL SNGL	$ 724.09	$ 724.09
1	700429202	IPO/B5800 IP500 RACK MNTG KIT	$ 45.73	$ 45.73
1		Misc. Materials	$ 37.32	$ 37.32
1		19" racking	$ 373.19	$ 373.19
1	SE-2-7032-48	48P RJ45 UNIV CAT5E RACK MT Cat5e	$ 250.78	$ 250.78
32	C5E114BU5FB	5 foot patch cord blue	$ 3.43	$ 109.91
1	MA-HCM-1D	1U Patch cord manager	$ 35.45	$ 35.45
2	25CX25	PBX 25 Pair Cables - 25'	$ 29.33	$ 58.67
1	ATDB15F-8	T-1 connector; 8 cond. RJ45 jack to female 15-pin DB (Allen Tel Product)	$ 4.67	$ 4.67
		Golf Course		
1	700476005	IPO IP500 V2 CNTRL UNIT	$ 495.43	$ 495.43
1	267786	IPO R8+ ESSNTL EDITION+ LIC	$ 377.29	$ 377.29
1	700502043	IPO R8.0 APPL SRVR DVD	$ 14.48	$ 14.48
1	700502042	IPO R8.0 USER/ADMIN SET DVD	$ 14.48	$ 14.48
1	205650	IPO LIC IP500 VCE NTWKG ADD 4 LIC:CU	$ 529.73	$ 529.73
1	700479710	IPO IP500 V2 SYS SD CARD MUL	$ 38.12	$ 38.12
3	700213440	IPO/B5800 ISDN RJ45/RJ45 3M RED	$ 3.65	$ 10.96
1	700289770	IPO/B5800 PWR LEAD (EARTHED) US	$ 11.43	$ 11.43
1	700500758	IPO IP500 EXTN CARD TCM-8 DGTL STA 8	$ 419.20	$ 419.20
1	700476013	IPO/B5800 IP500 V2 COMB CARD ATM	$ 457.32	$ 457.32
1	700429202	IPO/B5800 IP500 RACK MNTG KIT	$ 45.73	$ 45.73
		Miscellaneous Materials		
1		Misc. Materials	$ 37.32	$ 37.32
1		19" racking	$ 373.19	$ 373.19
1	SE-2-7030-24	24P RJ45 UNIV CAT5E RACK MT Cat5e	$ 111.96	$ 111.96
10	:5E114BU5FB	5 foot patch cord blue	$ 3.43	$ 34.35
1	MA-HCM-1D	1U Patch cord manager	$ 35.45	$ 35.45
1	25CX25	PBX 25 Pair Cables - 25'	$ 29.33	$ 29.33
		Trumbull EMS		
1	700476005	IPO IP500 V2 CNTRL UNIT	$ 495.43	$ 495.43
1	267786	IPO R8+ ESSNTL EDITION+ LIC	$ 377.29	$ 377.29
1	700500699	IPO IP500 EXP MOD DS16A DGTL ST RJ21	$1,746.20	$ 1,746.20
1	700502043	IPO R8.0 APPL SRVR DVD	$ 14.48	$ 14.48

1	700502042	IPO R8.0 USER/ADMIN SET DVD	$ 14.48	$ 14.48
1	205650	IPO LIC IP500 VCE NTWKG ADD 4 LIC:CU	$ 529.73	$ 529.73
1	700479710	IPO IP500 V2 SYS SD CARD MUL	$ 38.12	$ 38.12
3	700213440	IPO/B5800 ISDN RJ45/RJ45 3M RED	$ 3.65	$ 10.96
2	700289770	IPO/B5800 PWR LEAD (EARTHED) US	$ 11.43	$ 22.87
1	700476013	IPO/B5800 IP500 V2 COMB CARD ATM	$ 457.32	$ 457.32
1	700429202	IPO/B5800 IP500 RACK MNTG KIT	$ 45.74	$ 45.74
		Miscellaneous Materials		
1		Misc. Materials	$ 37.32	$ 37.32
1		19" racking	$ 373.19	$ 373.19
1	SE-2-7030-24	24P RJ45 UNIV CAT5E RACK MT Cat5e	$ 111.96	$ 111.96
15	:5E114BU5FB	5 foot patch cord blue	$ 3.43	$ 51.52
1	MA-HCM-1D	1U Patch cord manager	$ 35.45	$ 35.45
1	25CX25	PBX 25 Pair Cables - 25'	$ 29.33	$ 29.33
		BOE		
1	700476005	IPO IP500 V2 CNTRL UNIT	$ 495.43	$ 495.43
1	267786	IPO R8+ ESSNTL EDITION+ LIC	$ 377.29	$ 377.29
1	700500699	IPO IP500 EXP MOD DS16A DGTL ST RJ21	$ 1,746.20	$ 1,746.20
2	700500698	IPO IP500 EXP MOD DS30A DGTL ST RJ21	$ 2,873.50	$ 5,746.99
1	700502693	IPO R8+ TTS PRO DVD SET	$ 14.48	$ 14.48
1	700502043	IPO R8.0 APPL SRVR DVD	$ 14.48	$ 14.48
1	700502042	IPO R8.0 USER/ADMIN SET DVD	$ 14.48	$ 14.48
5	205650	IPO LIC IP500 VCE NTWKG ADD 4 LIC:CU	$ 529.73	$ 2,648.67
1	269480	IPO LIC PREFRD R8+ VM PRO RFA LIC:DS	$ 1,444.37	$ 1,444.37
1	700479710	IPO IP500 V2 SYS SD CARD MUL	$ 38.12	$ 38.12
1	215182	IPO LIC IP500 T1 ADD 32CH	$ 2,096.04	$ 2,096.04
1	174462	IPO LIC VM PRO RFA 16 LIC:CU	$ 7,618.18	$ 7,618.18
1	174460	IPO LIC VM PRO RFA 4 LIC:CU	$ 2,191.33	$ 2,191.33
2	700213440	IPO/B5800 ISDN RJ45/RJ45 3M RED	$ 3.65	$ 7.31
5	700289770	IPO/B5800 PWR LEAD (EARTHED) US	$ 11.43	$ 57.17
1	700500758	IPO IP500 EXTN CARD TCM-8 DGTL STA 8	$ 419.20	$ 419.20
2	700476013	IPO/B5800 IP500 V2 COMB CARD ATM	$ 457.32	$ 914.64
1	700417462	IPO/B5800 IP500 TRNK PRI UNVRSL DUAL	$ 1,211.90	$ 1,211.90
4	700429202	IPO/B5800 IP500 RACK MNTG KIT	$ 45.73	$ 182.93
1	269810	R210II SRVR IPO R8+	$ 2,667.70	$ 2,667.70
1		Misc. Materials	$ 74.64	$ 74.64
2	ATDB15F-8	T-1 connector; 8 cond. RJ45 jack to female 15-pin DB (Allen Tel Product)	$ 4.67	$ 9.33
1		19" racking	$ 373.19	$ 373.19
2	SE-2-7032-48	48P RJ45 UNIV CAT5E RACK MT Cat5e	$ 250.78	$ 501.57
70	:5E114BU5FB	5 foot patch cord blue	$ 3.43	$ 240.43
2	MA-HCM-1D	1U Patch cord manager	$ 35.45	$ 70.90
4	25CX25	PBX 25 Pair Cables - 25'	$ 29.33	$ 117.33
		Police Department		
1	700476005	IP OFFICE 500 VERSION 2 CONTROL UNIT	$ 970.29	$ 970.29
1	267786	IP OFFICE R8+ ESSENTIAL EDITION+ LIC:DS	$ 738.91	$ 738.91
2	700500699	IP OFFICE IP500 EXPANSION MODULE DS16A DIGITAL STATION RJ21	$ 3,419.90	$ 6,839.80
2	700500698	IP OFFICE IP500 EXPANSION MODULE DS30A DIGITAL STATION RJ21	$ 5,627.68	$ 11,255.36
1	700502043	IP OFFICE R8.0 APPLICATION SERVER DVD	$ 28.36	$ 28.36
1	700502042	IP OFFICE R8.0 USER/ADMIN SET DVD	$ 28.36	$ 28.36

2	205650	IP OFFICE LICENSE IP500 VOICE NETWORKING ADD 4 LIC:CU	$ 1,037.46	$ 2,074.93
1	700479710	IP OFFICE IP500 V2 SYSTEM SD CARD MU-LAW	$ 74.64	$ 74.64
1	215182	IP OFFICE LICENSE IP500 UNI PRI ADD 32 T1 CHANNELS LIC:CU	$ 4,105.07	$ 4,105.07
2	700213440	IP OFFICE CABLEISDN RJ45/RJ45 3M RED	$ 7.16	$ 14.32
5	700289770	IP OFFICE - POWER LEAD (EARTHED) US	$ 22.39	$ 111.96
2	700431778	IP OFFICE IP500 EXTENSION CARD PHONE 2	$ 373.19	$ 746.38
1	700500758	IP OFFICE IP500 EXTENSION CARD TCM-8 DIGITAL STATION 8	$ 821.01	$ 821.01
1	700476013	IP OFFICE 500 VERSION 2 COMBINATION CARD ATM	$ 895.65	$ 895.65
1	700417462	IP OFFICE 500 TRUNK CARD PRIMARY RATE UNIVERSAL DUAL	$ 2,373.48	$ 2,373.48
5	700429202	IP OFFICE IP500 RACK MOUNTING KIT	$ 89.57	$ 447.83
		Miscellaneous Materials		
1		Misc. Materials	$ 70.55	$ 70.55
2	ATDB15F-8	T-1 connector; 8 cond. RJ45 jack to female 15-pin DB (Allen Tel Product)	$ 4.41	$ 8.82
1		19" racking	$ 352.74	$ 352.74
2	SE-2-7032-48	48P RJ45 UNIV CAT5E RACK MT Cat5e	$ 237.04	$ 474.08
100	:5E114BU5FB	5 foot patch cord blue	$ 3.25	$ 227.26
2	MA-HCM-1D	1U Patch cord manager	$ 33.51	$ 67.01
4	25CX25	PBX 25 Pair Cables - 25'	$ 27.73	$ 110.90
		Labor		$ 80,000.00
		Total:		**$218,328.24**

Accepted By: **Date:**

Engineering Notes:
Replace the existing Centrex, Octel voicemail and end of support Norstar systems with Avaya IP Office
The IP Office systems will be networked together across the WAN via IP trunks.
Voicemail will be supported by 2 Voicemail Pro servers. 1 located at Town Hall and 1 at BOE.
The voicemail systems can be networked together.
Assumes reuse of existing Norstar telephones.
The IP Office can support IP telephones in the future by adding software licenses.

Town Hall / Main
Telserv to install an Avaya IP Office solution equipped with Preferred Edition level software package release 8.
The system is equipped with the following:

Telephones licenses and ports.

IP Telephone licenses = 0

Telephone Ports
Digital = 96
Analog = 4

Trunks
Analog = 8
PRI's = 2

Small Community Networking
IP Trunks = 36

Voicemail
Voicemail Pro
Ports = 20

Patch-panels
24 Port Cat5e = 1
48 Port Cat5e = 2
1 19" rack

Training
Includes 8 1 hour station end user training classes in groups of 10-15
Includes 1 hour basic system administration training
Telserv will provide 8 hours for next day post cutover support coverage.

Project Management Services
Telserv will provide project management during the system implementation process.

Assumptions
Assumes customer provided UPS
Reuse existing telephone sets.

Town Hall Annex
Telserv to install an Avaya IP Office solution equipped with Essential level software package release 8.
The system is equipped with the following:

Telephones licenses and ports.
IP Telephone licenses = 0

Telephone Ports
Digital = 8
Analog = 2

Trunks
Analog = 4
PRI's = 0

Small Community Networking
IP Trunks = 4

Voicemail
Voicemail Pro Services from Town Hall centralized voicemail

Patch-panels
24 Port Cat5e = 1
1 19" rack

Training
Includes one, 1 hour station end user training classes in groups of 10-15
Includes 1 hour basic system administration training
Telserv will provide 4 hours for next day post cutover support coverage.

Project Management Services
Telserv will provide project management during the system implementation process.

Assumptions
Assumes customer provided UPS
Reuse existing telephone sets.

Library 33 Quality St.
Telserv to install an Avaya IP Office solution equipped with Essential level software package release 8.
The system is equipped with the following:

Telephones licenses and ports.
IP Telephone licenses = 0

Telephone Ports
Digital = 28
Analog = 4

Trunks
Analog = 4
PRI's = 1

Small Community Networking
IP Trunks = 4

Voicemail
Voicemail Pro Services from Town Hall centralized voicemail

Patch-panels
48 Port Cat5e = 1
1 19" rack

Training
Includes 2 1 hour station end user training classes in groups of 10-15
Includes 1 hour basic system administration training
Telserv will provide 4 hours for next day post cutover support coverage.

Project Management Services
Telserv will provide project management during the system implementation process.

Assumptions
Assumes customer provided UPS
Reuse existing telephone sets

Fairchild Library
Telserv to install an Avaya IP Office solution equipped with Essential level software package release 8.
The system is equipped with the following:

Telephones licenses and ports.
IP Telephone licenses = 0

Telephone Ports
Digital = 8
Analog = 4

Trunks
Analog = 4
PRI's = 0

Small Community Networking
IP Trunks = 4

Voicemail
Voicemail Pro Services from Town Hall centralized voicemail

Patch-panels
24 Port Cat5e = 1
1 19" rack

Training
Includes one, 1 hour station end user training classes in groups of 10-15
Includes 1 hour basic system administration training
Telserv will provide 4 hours for next day post cutover support coverage.

Project Management Services
Telserv will provide project management during the system implementation process.

Assumptions
Assumes customer provided UPS
Reuse existing telephone sets

Senior Center / Social Services
Telserv to install an Avaya IP Office solution equipped with Essential level software package release 8.
The system is equipped with the following:

Telephones licenses and ports.
IP Telephone licenses = 0

Telephone Ports
Digital = 16
Analog = 2

Trunks
Analog = 4
PRI's = 1

Small Community Networking
IP Trunks = 4

Voicemail
Voicemail Pro Services from Town Hall centralized voicemail
1 19" rack

Patch-panels
24 Port Cat5e = 1

Training
Includes one, 1 hour station end user training classes in groups of 10-15
Includes 1 hour basic system administration training
Telserv will provide 4 hours for next day post cutover support coverage.

Project Management Services
Telserv will provide project management during the system implementation process.

Assumptions
Assumes customer provided UPS
Reuse existing telephone sets

VO-AG
Telserv to install an Avaya IP Office solution equipped with Essential level software package release 8.
The system is equipped with the following:

Telephones licenses and ports.
IP Telephone licenses = 0

Telephone Ports
Digital = 30
Analog = 4

Trunks
Analog =
PRI's = 1

Small Community Networking
IP Trunks = 4

Voicemail
Voicemail Pro Services from Town Hall centralized voicemail

Patch-panels
48 Port Cat5e = 1
1 19" rack

Training

Includes 2 1 hour station end user training classes in groups of 10-15
Includes 1 hour basic system administration training
Telserv will provide 4 hours for next day post cutover support coverage.

Project Management Services
Telserv will provide project management during the system implementation process.

Assumptions
Assumes customer provided UPS
Reuse existing telephone sets

Highway Building Department
Telserv to install an Avaya IP Office solution equipped with Essential level software package release 8.
The system is equipped with the following:

Telephones licenses and ports.
IP Telephone licenses = 0

Telephone Ports
Digital = 24
Analog = 2

Trunks
Analog = 4
PRI's = 1

Small Community Networking
IP Trunks = 4

Voicemail
Voicemail Pro Services from Town Hall centralized voicemail

Patch-panels
48 Port Cat5e = 1
1 19" rack

Training
Includes 2 1 hour station end user training classes in groups of 10-15
Includes 1 hour basic system administration training
Telserv will provide 4 hours for next day post cutover support coverage.

Project Management Services
Telserv will provide project management during the system implementation process.

Assumptions
Assumes customer provided UPS
Reuse existing telephone sets

Golf Course
Telserv to install an Avaya IP Office solution equipped with Essential level software package release 8.
The system is equipped with the following:

Telephones licenses and ports.
IP Telephone licenses = 0

Telephone Ports
Digital = 8
Analog = 2

Trunks
Analog = 4
PRI's = 0

Small Community Networking
IP Trunks = 4

Voicemail
Voicemail Pro Services from Town Hall centralized voicemail

Patch-panels
24 Port Cat5e = 1
1 19" rack

Training
Includes one, 1 hour station end user training classes in groups of 10-15
Includes 1 hour basic system administration training
Telserv will provide 4 hours for next day post cutover support coverage.

Project Management Services
Telserv will provide project management during the system implementation process.

Assumptions
Assumes customer provided UPS
Reuse existing telephone sets

Trumbull EMS
Telserv to install an Avaya IP Office solution equipped with Essential level software package release 8.
The system is equipped with the following:

Telephones licenses and ports.
IP Telephone licenses = 0

Telephone Ports
Digital = 16
Analog = 2

Trunks
Analog = 4
PRI's = 0

Small Community Networking
IP Trunks = 4

Voicemail

Voicemail Pro Services from Town Hall centralized voicemail

Patch-panels
24 Port Cat5e = 1
1 19" rack

Training
Includes 2 1 hour station end user training classes in groups of 10-15
Includes 1 hour basic system administration training
Telserv will provide 4 hours for next day post cutover support coverage.

Project Management Services
Telserv will provide project management during the system implementation process.

Assumptions
Assumes customer provided UPS
Reuse existing telephone sets

BOE
Telserv to install an Avaya IP Office solution equipped with Preferred Edition level software package release 8.
The system is equipped with the following:

Telephones licenses and ports.
IP Telephone licenses = 0

Telephone Ports
Digital = 76
Analog = 4

Trunks
Analog = 8
PRI's = 2

Small Community Networking
IP Trunks = 20

Voicemail
Voicemail Pro
Ports = 20

Patch-panels
48 Port Cat5e = 2
1 19" rack

Training
Includes 8 1 hour station end user training classes in groups of 10-15
Includes 1 hour basic system administration training
Telserv will provide 8 hours for next day post cutover support coverage.

Project Management Services
Telserv will provide project management during the system implementation process.

Assumptions
Assumes customer provided UPS
Reuse existing telephone sets

Police Department
Telserv to install an Avaya IP Office solution equipped with Essential Edition level software package release 8.
The system is equipped with the following:

Telephones licenses and ports.
IP Telephone licenses = 0

Telephone Ports
Digital = 98
Analog = 10

Trunks
Analog = 4
PRI's = 2

Small Community Networking
IP Trunks = 6

Voicemail
Voicemail Pro from BOE
Ports = 20

Patch-panels
48 Port Cat5e = 2
1 19" rack

Training
Includes 8 1 hour station end user training classes in groups of 10-15
Includes 1 hour basic system administration training
Telserv will provide 8 hours for next day post cutover support coverage.

Project Management Services
Telserv will provide project management during the system implementation process.

Assumptions
Assumes customer provided UPS
Reuse existing telephone sets

	CSI / Spec #	CSI Format Names	Report Item Names	Previous Report # / New Item	Com-plete	Quantity	Totals By Division	Suggested 5 Year Capital Implementation Plan					Comments / Notes
								2010 - 11	2011-12	2012-13	2013-14	2014-15	
0	08322	Detention Doors & Frames	Reconstruction.	12.02	No	10						$11,000	Clean & service cell doors
	08361	Sectional Overhead Doors	Garage Doors	3.02	No	3			$18,000				Replace aged and deteriorated doors and frames + electric operators.
0	08411	Aluminum Framed Entrances	0	New Item									
		Division 8 - TOTALS					$114,800						
DIVISION 9 - Finishes			0	0									
0	09651	Resilient Floor Tile	Floor Finishes	5.01	No	1000 SF		$7,500					VCT upgrade needed in Basement Corridor
0	09400	Terrazzo Flooring	0	0									
0	09680	Carpet	0	5.01	No	600 SY				$40,000			Worn / aged carpet to be replaced through out
0	09220	Portland Cement Plaster	Wall Finishes (on Masonry)	5.02									
0	09910	Painting	0	0									
		(Included Above)	Exterior Walls	3.01									
0	09511	Acoustical Panel Ceiling	Ceilings	5.03	No	25000 SF					$390,000		Replace all tiles and grid
0	09250	Gypsum Board Assemblies	Wall Finishes (Gyp Board)	5.02									
0	09720	Wall Coverings	Wall Finishes (Wall Covering)	5.02	No	10000 SF		$60,000					Existing covering is sound but visually aged. Select areas of repairs required
		Division 9 - TOTALS					$497,500						
DIVISION 10 - Specialties			0	0									
0	10505	Metal Lockers	Lockers	5.04	No	100						$50,000	Confirm lasting stability of existing lockers.
0	10265	Impact Resistant Wall Protection	Wall Finishes (corner Guard)	5.02									
0	10200	Louvers and Vents	Heating System	8.01									
		Division 10 - TOTALS					$50,000						
DIVISION 11 - Equipment			0	0									
0	11460	Unit Kitchens	Plumbing Fixtures	7.03	No	2			$13,000				Outdated Kitchenettes to be replaced
0	11400	Food Service Equipment	0	New Item									
0	0	0	0	0									
		Division 11 - TOTALS					$13,000						
DIVISION 12 - Furnishings			0	0									
0	12355	Institutional Casework	Wall Finish (Cabinet Work)	5.02									
0	0	0	0	0									
0		***Division 12 - TOTALS***		0			$0						
DIVISION 13 - Special Construction				0									
0	0	0	Swimming Pool Systems	9.03									
0	0	0	0	0									
0		***Division 13 - TOTALS***		0			$0						

Allen White PD - Exterior Sealing / Repointing

From: Gregory M Raucci <gmraucci@bismarkconstruction.com>
Sent: Monday, October 05, 2015 1:54 PM
To: Allen White
Subject: Trumbull Police Station
Attachments: Trumbull police station photos.pdf

Allen,

We are pleased to provide you with a quote to complete the following work at the Trumbull Police station.

- Power wash the west elevation (we discussed upper only but we have included the complete west side)
- Spray the upper west with a masonry sealer after re pointing (see attached photos)
- Provide 60 square feet of re pointing (I marked the areas on the attached that we thought required re pointing, we will walk with you to agree as to where to re point)
  We will have a clearer understanding of the re pointing once power washed.

Our cost to complete this work is $22,675.00 dollars. And we can start October 12th, this work and the application of sealer needs to done with a minimum temperature of 40'F.
All work will need to be completed of a boom lift and upper roof with protection boards.

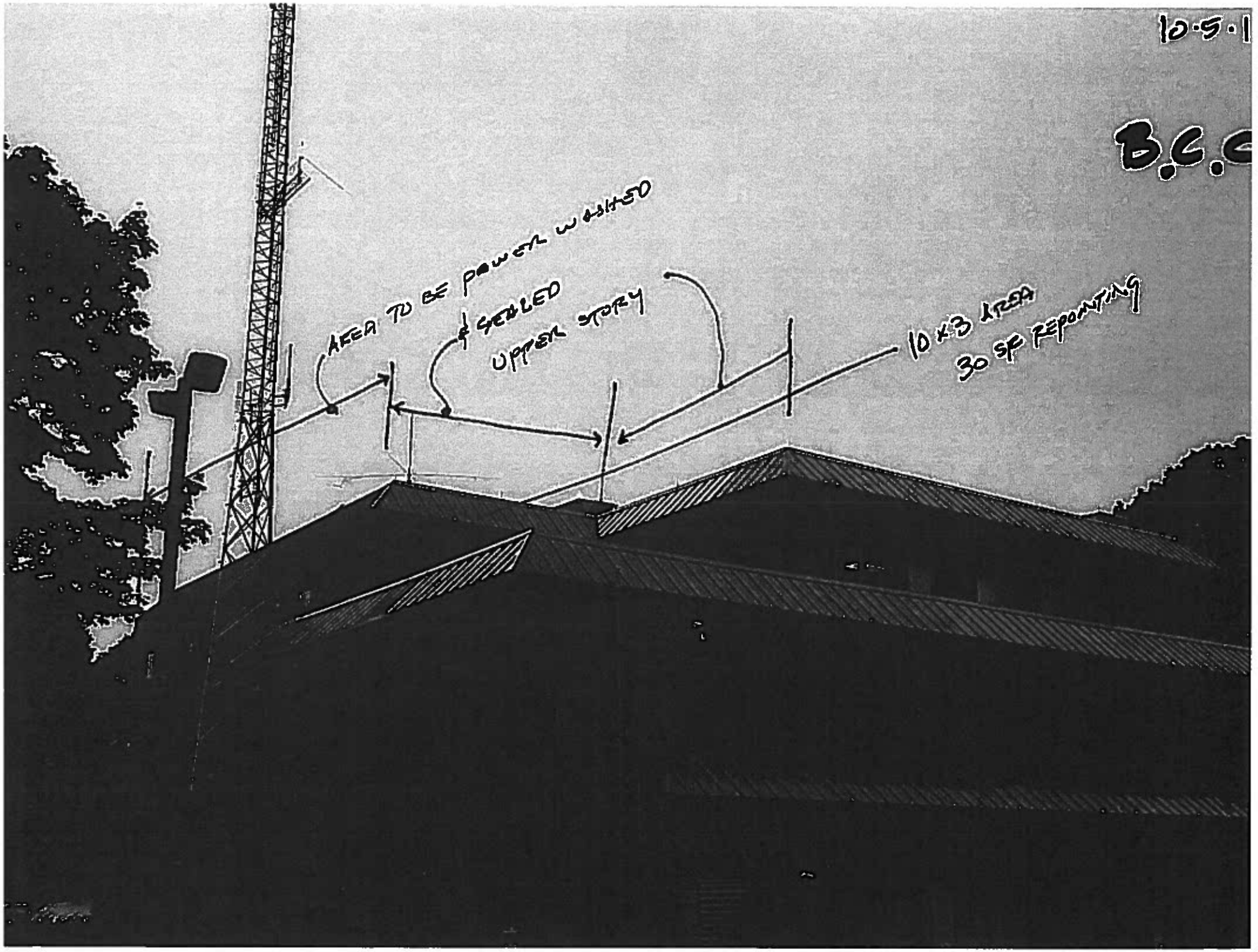
--

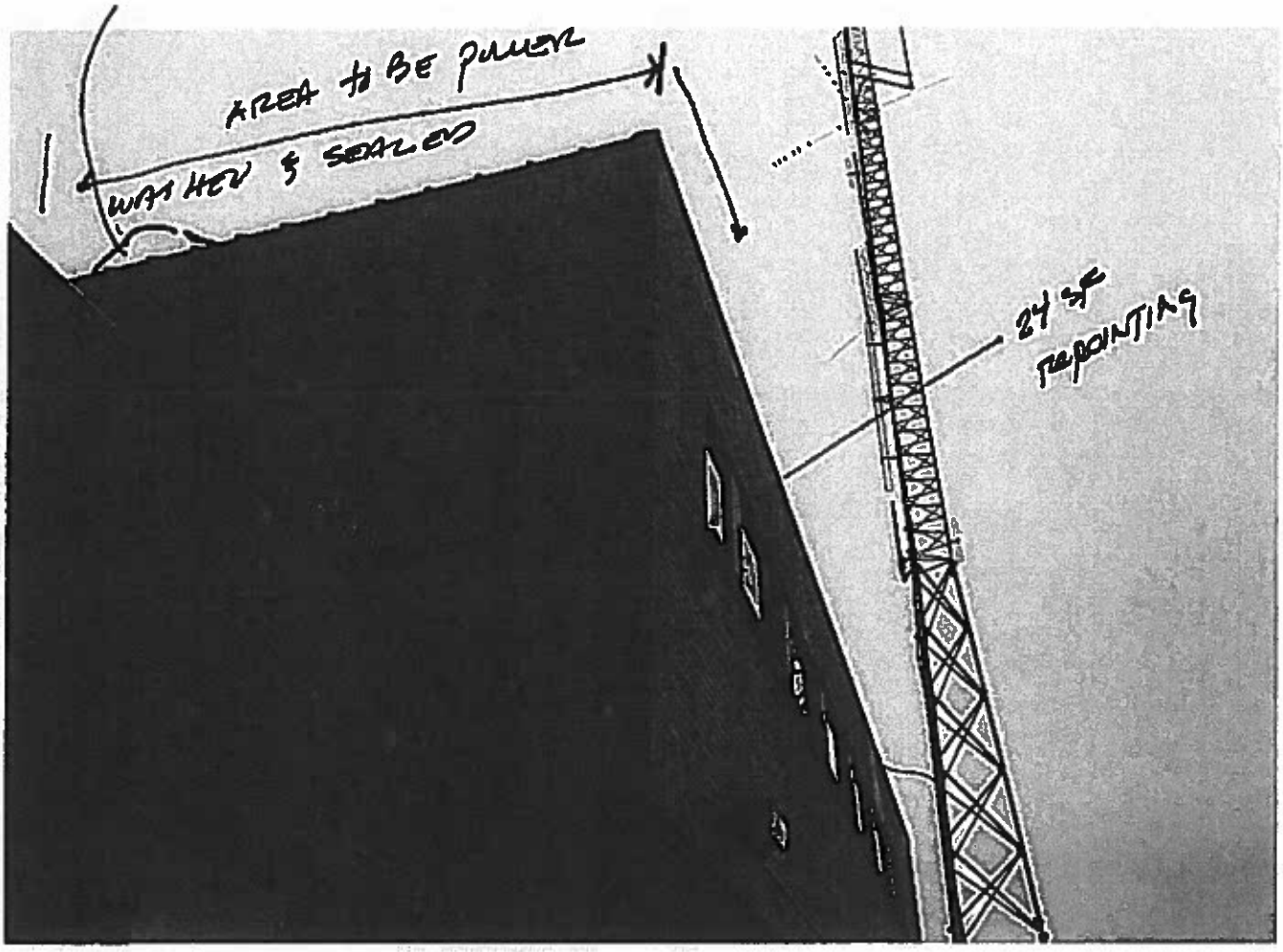
Per Allen - quote is 1/4 of building.
Plan = x4. ($90,700)

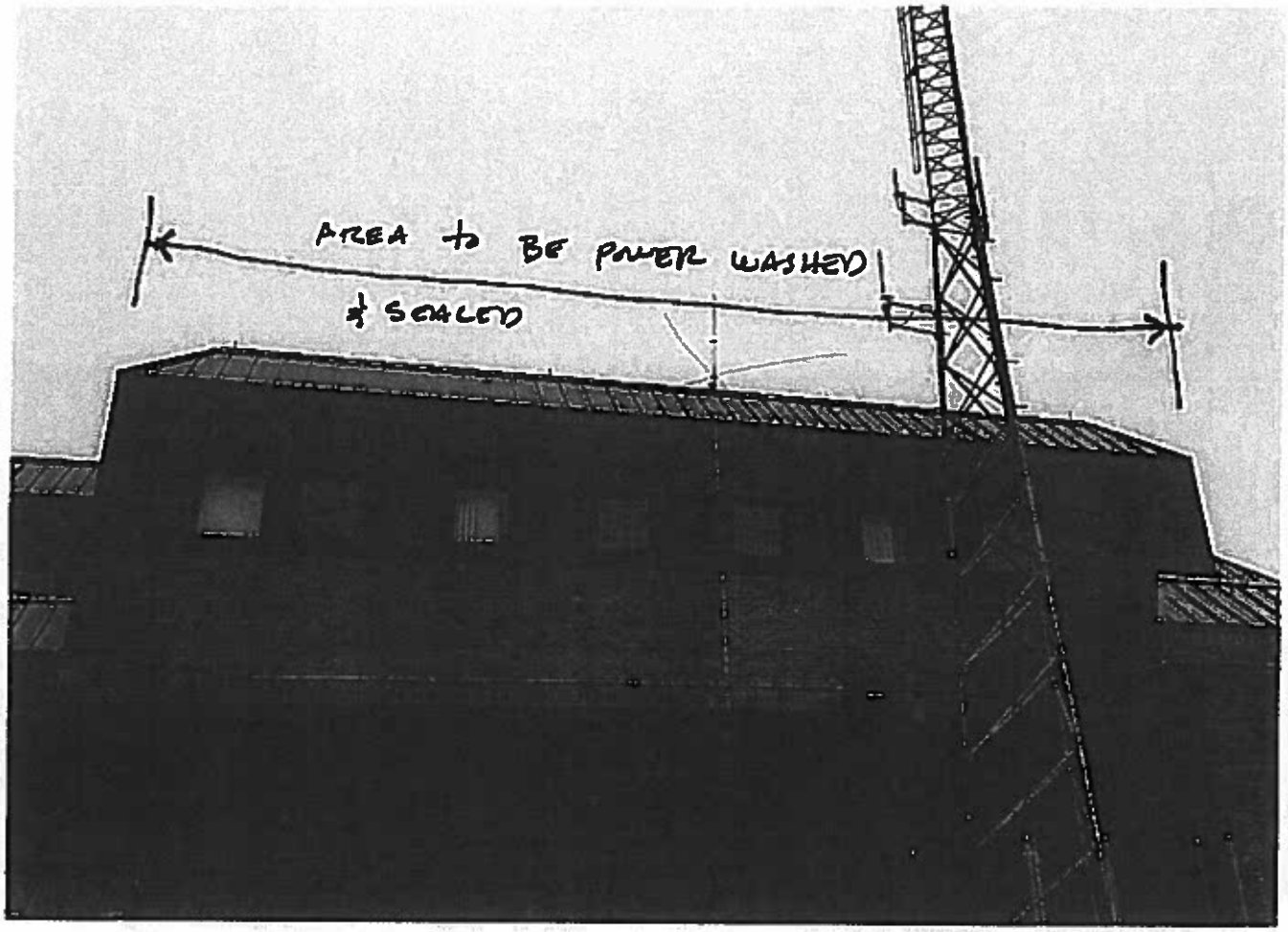
Bismark

Gregory M. Raucci | President

Bismark Construction
Office: 203.876.8331
gmraucci@bismarkconstruction.com
www.bismarkconstruction.com


10.5.1
B.C.C
AREA TO BE POWER WASHED
& SCRUBBED
UPPER STORY
10 x 3 AREA
30 SF REPOINTING


AREA TO BE PULLED
WASHED & SEALED
24 SF
REPOINTING



TRUMBULL POLICE STATION:

1. EXTERIOR POWER WASH & APPLY BRICK SEALER.
   SECOND FLOOR AREA.

2. REPOINT APPROXIMATELY 60 SF OF EXISTING BRICKWORK
   W/ AS CLOSE AS POSIBLE MORTAR. WILL NOT BE
   EXACT.

OMNI DATA
MANAGERS OF TECHNOLOGY

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

QUOTE

Quote #	Q2YQ6505
Date	12/22/15
Sales Rep.	Adamw

Quote To:	Ship To:
Trumbull Police Department	Trumbull Police Department
Glenn Byrnes	Glenn Byrnes
158 Edison Road	158 Edison Road
Trumbull CT 06611	Trumbull CT 06611

Assume all existing Folger Adam Door Strikes are in good working order. Locks that are not working will be replaced on a one by one basis.

Qty	Description	Unit Price	Ext. Price
1	S2 Portal Expansion 16 existing doors to 64 doors	$5,081.25	$5,081.25
2	S2 Network Node with 12 readers Includes (6) 2 reader Access Control blades (Wall Mount)	$4,105.00	$8,210.00
23	HID Readers Single Gang (black)	$134.01	$3,082.23
20	Request to Exit Sensors	$58.13	$1,162.60
20	Sets door contacts	$16.88	$337.60
2	Altronix Power Supplies	$229.99	$459.98
1	HES Electric Strike (Garage Side MAN door)	$265.91	$265.91
1	SDC lock conversion KIT (Lower level ramp door)	$562.50	$562.50
5	HES Electric Strike (Range Door, Front Chiefs cooridor, DB Work Room, 1st FL EOC, 1st FL Rear Hall	$289.38	$1,446.90
2	7ah Batteries (Altronix)	$14.94	$29.88
2	4ah Batteries (S2)	$11.85	$23.70
1	Misc Parts / Connectors / Wiremold / Plates for old readers	$425.00	$425.00
20	Access Control Cable Runs	$275.00	$5,500.00
2	S2 Panel Installation	$720.00	$1,440.00
1	Access Control Door Installation	$8,460.00	$8,460.00
1	System Setup and Configuration	$1,000.00	$1,000.00
	SubTotal		$37,487.55
	Folger Adam Electric Strike (if needed)		
1	Folger Adam Strike (Same unit that is currently installed) Price is per Lock	$496.00	$496.00
		SubTotal	$37,983.55
		Sales Tax	$2,411.96
		Shipping	$0.00
		Total	**$40,395.51**

Signature: _____ Date: _____

Printed Name: _____ Title: _____

ADD NEW STRIKES 10,000
ADD REKEY
SAY $50,000

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/termsandconditions

EMS
Support for Building Study Request

Bay Space:

The department seeks to find a way to increase building size to allow for 8 vehicles to be parked inside the building. The building has 3 standard 10 foot bays and an oversized bay that 1.5 vehicles can park in at one time. During the cold months, the 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. Currently, there are 5 emergency response vehicles and in July, the department is expected to add an additional paramedic fly car to the fleet. In the next 3- 5 years, with the expected increase in call volume, there is an anticipated need for a 5th ambulance (currently we have 4). This additional ambulance will need to be garaged as well. This would require 7 bays. In addition to the vehicles, the all-terrain John Deere Gator needs to be secured inside. The 8th bay could 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. 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.

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

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 centrally located in town. When the current structure was built, the service responded to a small fraction of the calls dispatched today. There has been close to an 8% increase in volume this past year alone and it is expected that volume will continue to grow. The director has been told when the current building was built EMS was responding to about 500 emergencies annually. Currently the department is responding to over 4300 calls each year with a staff of about 100 people that consists of volunteers as well as paid sub contracted staff.

The biggest challenges to date is having enough space to park emergency vehicles inside a building, space for crews to write reports and complete their documentation after each call, a private place to hold small meetings (supervisor meeting, staff reviews, call reviews), storage space is at maximum capacity and staff have a difficult time finding a place to park during school hours as the parking lot is shared with Middlebrooks School.

EXHIBIT D

Parks CIP Funding Plan Narrative

Artificial Athletic Turf – Trumbull High School Soccer Field ($950,000)

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 practices 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 ensuring the quality of a grass surface leads to significant restrictions in scheduling. This makes the Soccer field at THS the top priority for conversion due to the existing lights. And 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.

Playground replacement at Indian Ledge Park ($250,000)

The playscape at Indian Ledge was scheduled for replacement in 2016-17 and has been moved forward to the current year as a result of the deteriorating condition of the existing structure. During annual inspection of the facility in the spring of 2015 extensive rot of the wood structure was discovered. A large section of the playscape was taken out of service and at this point the entire structure must be replaced. Replacement is based on a replacement of the entire large structure, all meeting current codes and guidelines for safety, accessibility and separation of children of different ages within the play area. If the playscape replacement is not completed prior to the summer season we would anticipate demolition and removal of a substantial portion of the existing playscape.

Beach Pool restoration of Concrete Pool Shell ($250,000)

The current year budget includes funding for replacement of the pool liner at Beach Pool. During maintenance in early spring 2015 the pool shell was determined to be in poor condition. Prior to issuing bids for the pool liner a structural engineer was employed to develop a specification for remediation of deteriorated sections of the pool shell. Because the full extent of the required work cannot be determined, we provided bidders with an estimated scope of work and we received bids substantially in excess of the budgeted pool liner replacement budget. The Funds requested for the pools shell concrete restoration will allow us to move ahead with early spring removal of the liner, repair and restoration of the concrete and installation of the new pool liner. The requested appropriation includes a significant amount of contingency above current bids in recognition that the extent of the required concrete repairs cannot be determined until the pool liner is removed and demolition of the deteriorated concrete is undertaken by the contractor. The appropriation includes funds to provide an on-site structural engineer to certify the extent of the concrete repair required.

Unity Park Design/Drainage Repairs ($190,500)
Unity Park Paving ($83,300)

The asphalt paved parking lots and roadways within Unity 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 stormwater drainage systems which are no longer functioning effectively. Both 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 insure proper storm water management and public safety impacting park users and neighboring residents.

Twin Brooks Design/Drainage ($200,000)

Twin Brooks is situated at the confluence of two water ways, the Pequannock and the Old Saw Mill. As such, Twin Brooks functions as a major flood plain in Town. Periodic flooding over the past generation has eroded the river banks resulting in destabilization of areas of the internal roadway. Underground culverts have decayed and in some cases have filled in and no longer function properly further causing damage within the Park even in moderate storm events.

A design review of the storm water drainage systems will be conducted with necessary repairs performed in preparation for repaving the roadways and parking area within the park. This is a necessary infrastructure maintenance project to improve the asset and insure proper storm water management and public safety impacting park users and neighboring residents.

EXHIBIT E

Backhoe To be Replaced

DETAILED SPECIFICATIONS SHEET

ALL WHEEL DRIVE, DIESEL POWERED, 1.3 CUBIC YARD Equipment

GENERAL:

1	The equipment (the "Equipment") to be the latest standard new production model at time of delivery as evidenced by manufacturer's published literature	Meets Spec: Yes
2	The Equipment to be the same as normally supplied to the construction industry REF: John Deere 310 SL TC,Volvo BL70, Case 580 or Approved equal	Meets Spec: Yes
3	All ratings of the loader to be based on the manufacturer's standard settings and must conform, where applicable, to SAE standards	Meets Spec: Yes

OPERATING WEIGHT:

4	A minimum weight of 19,500 lbs. for a equipped all wheel drive loader/backhoe with ROPS enclosed cab with Extendable dipper stick and counterweight	Meets Spec: Yes, Standard weight of the standard equipped all wheel drive loader/backhoe: 20,092 lb.

OPERATING DATA: Equipment

5	Standard bucket capacity to be a minimum 1.3 cubic yards	Meets Spec: Yes, Bucket capacity: 1.4 cu. yds.
6	Breakout force to be a minimum 10,000 lbs.	Breakout force: 11,197 lbs.
7	Lift capacity to full height to be a minimum 6,800 lbs.	Lift capacity to full height: 7,237 lbs.
8	Dump clearance at full height with bucket positioned at 45 degree angle to be a 11" minimum	Dump clearance at full height with bucket at a 45 degree angle: 9 ft. 0 in.
9	Bucket width not to be less than the overall width of the wheels.	Meets Spec: Yes
10	Front bucket must be self-leveling with automatic return-to-dig function and one lever control for bucket hydraulic functions. Reversible/replaceable bolt on cutting edge to be installed. Front bucket lift "I" must be installed. Front bucket lifting eye w/safety latch must be installed to meet the lifting capacity of the bucket.	Meets Spec: No, Lifting eye with latch will not be installed. Bucket is self leveling with return to dig.

OPERATING DATA:

11	Equipment to be equipped with extendible Dipperstick, minimum digging depth @ 2' flat bottom 17 feet. Single position center-mounted bucket. Two lever control for primary backhoe functions and two individual stabilizer controls equipped with lockout valves.	Meets Spec: Yes
12	Reach from center of swing pivot to be no less than 19'	Reach from center of swing pivot: 21 ft.10 in.
13	Swing arc to be a minimum of 180 degrees	Swing arc in degrees: 180 degrees
14	Lift capacity to be at a minimum of 12 feet in height through the full 180 degree swing arc to be no less than 2,150 pounds	Meets Spec: Yes
15	Digging forces for the bucket cylinder to be a minimum of 11,000 pounds. Lifting eye w/safety latch to be installed on the backhoe and meet the minimum lifting capacity of the backhoe	Meets Spec: No, Meets digging force but lifting eye will not be installed

DETAILED SPECIFICATIONS SHEET

ALL WHEEL DRIVE, DIESEL POWERED, 1.3 CUBIC YARD Equipment

16	Digging forces for the crowd cylinder to be a minimum of 8,000 pounds	Meets Spec: Yes, Digging forces for the crowd cylinder: 9,757 lbs.
17	A quick attach type coupler system for backhoe buckets and attachments to be provided . The system should easily allow opperator to change buckets/attachemtns in the fieild. Any tools required shall be provided with each machine .	Meets Spec: Yes
	ENGINE:	
18	Diesel, turbo-charged, four cylinder, liquid-cooled, with a net minimum 90 hp. The largest available 110 volt in-block coolant heater for engine supplied to be installed with remote receptacle.	Meets Spec: Yes, Engine horsepower: 93 hp Cubic inch/Liters: 4.4 liter
19	The manufacturer's standard fuel filters and fuel system water separator to be installed. Note the brand and model number of the fuel water separator to be installed. Engine may be equipped with electrically operated shutdown device operated by a key switch.	Meets Spec: Yes, Brand and model number of the fuel water separator, Caterpillar
	TRANSMISSION:	
20	Torque converter with full power shift or hydrostatic drive transmission fully reversible under load.	Meets Spec: Yes, Transmission type: Auto Shift Differential type: Planetary
	COOLING SYSTEM:	
21	Pressurized cooling system with high temperature thermostat and system to be protected with 50/50 mix of "Extended Life" Coolant/Anti-Freeze, such as Texaco #7998 or approved equal with freeze protection down to -30 degrees Fahrenheit.	Meets Spec: Yes, Freeze protection limit: -55 degrees F.
	DIFFERENTIALS:	
22	Front differential to be hydraulic lock or limited slip type. Rear differential to be equipped with a foot operated automatic release positive locking differential.	Meets Spec: Yes
	FINAL DRIVE AXLE:	
23	Inboard or outboard mounted planetary gears.	Meets Spec: Yes
	FRONT AXLE:	
24	Front drive axle to be cast in one piece with a minimum of 11-degree oscillation for each direction from centerline. A switch on or near the instrument panel to engage the four-wheel drive assembly on the move, in any gear, forward or reverse.	Meets Spec: Yes
	SERVICE BRAKES:	
25	Hydraulic actuated, self-adjusting, wet disc brakes, individually or simultaneously foot operated pedals. Must meet the SAE J1473 and ISO 3450 requirements	Meets Spec: Yes
	PARKING BRAKES:	
26	Parking brake system to be provided with an audible and visual warning system that indicates brake is applied. Parking brake to be independent of the service brake.	Meets Spec: Yes
	TIRES AND WHEELS:	

DETAILED SPECIFICATIONS SHEET

ALL WHEEL DRIVE, DIESEL POWERED, 1.3 CUBIC YARD Equipment

27	Front tires to be Michilin XMCL 340/80R18 or approved equal	Meets Spec: Yes
28	Rear tires to be Michilin XMCL 500/70R24 or approved equal	Meets Spec: Yes
29	Valve stem protection shall be provided.	Meets Spec: Yes
30	Single piece rims only to be accepted.	Meets Spec: Yes

CAB:

31	To be fully enclosed steel cab, insulated quiet-type with sound protection providing rollover protection in accordance with OSHA requirements.	Meets Spec: Yes
32	Cab to include air conditioning, heater, front & rear defroster, dome light, tilt steering wheel and front & rear wipers	Meets Spec: Yes
33	Tinted safety glass with latched windows to be provided throughout.	Meets Spec: Yes
34	Outside mounted rearview mirrors to be installed to provide the operator an unobstructed view to the rear.	Meets Spec: Yes
35	Right and left steps and grab handles shall be furnished to provide three (3) points of contact.	Meets Spec: Yes
36	Noise exposure level in cab based on a duration of 8 hours per day must not exceed the acceptable OSHA requirements in force at the time of delivery.	Meets Spec: Yes

ELECTRICAL SYSTEM:

37	A 12 volt electrical system throughout with a minimum 120 amp alternator.	Meets Spec: Yes, Alternator Amp rating: 150 amps, Voltage of electrical system throughout: 12 volts
38	The system to include an electronic voltage regulator, horn and 2 heavy-duty maintenance-free batteries with a cold cranking capacity (CCA) of not less than 1,200 total at 0 degrees Fahrenheit.	Meets Spec: Yes, Batteries CCA rating: 1600 at 0 degrees F.
39	Equipment to be equipped with a minimum of two halogen front driving lights	Number of front halogen driving lights: 2
40	Equipment to be equipped with a minimum two front halogen working lights	Number of front halogen working lights: 2
41	Equipment to be equipped with a minimum two rear halogen working lights	Number of rear halogen working lights: 2
42	Equipment to be equipped with a minimum two directional lights in front	Number of front directional lights: 2
43	Equipment to be equipped with a minimum two halogen rear driving lights	Number of rear halogen driving lights: 2
44	Equipment to be equipped with a minimum two combination stop/tail lights, turn lights and 4-way emergency flashers.	Meets Spec: Yes
45	All other lighting equipment to conform to Federal Safety Standards and Connecticut motor vehicle laws to be supplied.	Meets Spec: Yes

DETAILED SPECIFICATIONS SHEET

ALL WHEEL DRIVE, DIESEL POWERED, 1.3 CUBIC YARD Equipment

HYDRAULIC SYSTEM:

46	Full double acting cylinders	Meets Spec: Yes
47	All cylinder piston rods to be ground, heat-treated, chrome plated and polished.	Meets Spec: Yes
48	Hydraulic pressure to be set at manufacturer's standard setting for the unit bid.	Meets Spec: Yes
49	Hydraulic system to be equipped with the manufacturer's recommended spin-on filter for return oil.	Meets Spec: Yes
50	Hydraulic system to be an open center type design. Hydraulic tank to be equipped with an oil level visual sight gauge. Hydraulic system to include a backhoe hammer circuit and extra function valve with control pedals.	Meets Spec: Yes

PAINT:

51	To be the manufacturer's standard lead free paint.	Meets Spec: Yes

EQUIPMENT TO BE FURNISHED:

52	Adjustable deluxe air suspension vinyl seat, arm rests, lumbar support with operator 3" wide seat belts with retractor	Meets Spec: Yes
53	Engine side shields	Meets Spec: Yes
54	Fuel gauge	Meets Spec: Yes
55	Monitor system with audible & visual warnings for engine air restriction indicator, engine oil pressure indicator with audible warning, hydraulic filter restriction indicator, parking brake on/off indicator with audible warning, seat belt indicator and low brake pressure indicator.	Meets Spec: Yes
56	Illuminated electronic gauge with audible warning for engine coolant temperature	Meets Spec: Yes
57	Illuminated electronic gauge with audible warning for low oil pressure.	Meets Spec: Yes
58	Electronic fuel gauge	Meets Spec: Yes
59	Display of engine hours, engine RPM and system voltage	Meets Spec: Yes
60	Key switch or Keyless with neutral safety start	Meets Spec: Yes
61	Foot-operated throttle	Meets Spec: Yes
62	Front drive shaft guard	Meets Spec: Yes
63	SMV sign emblem and bracket	Meets Spec: Yes

DETAILED SPECIFICATIONS SHEET

ALL WHEEL DRIVE, DIESEL POWERED, 1.3 CUBIC YARD Equipment

64	Pivoting stabilizers (flip over) with reversible pads (steel/ rubber)	Meets Spec: Yes
65	Front grill screen	Meets Spec: Yes
66	Rubber floor mat	Meets Spec: Yes
67	Front & Rear windshield wipers	Meets Spec: Yes
68	Tilt steering wheel	Meets Spec: Yes
69	Ride control	Meets Spec: Yes
70	One Whelen, Model L31HAF, type amber LED light with brush guard, L360BGB, or an approved equal, mounted to provide 360 degree visibility, complete with ignition key powered supply and cab switch installed per Client Agencies approval	Meets Spec: Yes
71	24" heavy-duty bucket to be installed on the backhoe	Meets Spec: Yes
72	18" heavy duty bucket to be provided	Meets Spec: Yes
73	36" High Capacity bucket shall be provided.	Meets Spec: Yes
74	A quick attach pin style coupler for easy of changing backhoe attachments to be provided .	Meets Spec: Yes
75	Oil Sampleing program to be provided for first 5000 hour of machine use at no charge.	Meets Spec: Yes
76	Backhoe lifting eye w/safety latch	Meets Spec: No, Lift eye provided for clevis

DETAILED SPECIFICATIONS SHEET

ALL WHEEL DRIVE, DIESEL POWERED, 1.3 CUBIC YARD Equipment

77	Front bucket lifting eye w/safety latch	Meets Spec: No, Lifting points provided without latch
78	1200 lb. front counter weight, or that recommended by the manufacturer for backhoe operating on a 30 degree incline. Calcium chloride or other tire fill material is not acceptable in lieu of steel counter weights.	Meets Spec: Yes
79	An automatic adjustable electric or hydraulic backup safety alarm meeting OSHA requirements to be furnished and installed. DBA settings to be approximately 112 +/- (2) DBA, 107 +/- (2) DBA and 97 +/- (2) DBA.	Meets Spec: Yes
80	A fuel tank guard front and rear to be furnished	Meets Spec: Yes
81	Vandal protection to be provided by the use of master padlocks to include but not be limited to the fuel cap, radiator, hydraulic oil reservoir, engine compartment (fully enclosed side shields), batteries and cab, etc. All locks to be keyed alike if possible.	Meets Spec: Yes

EXHIBIT B, SP-16
PRICE SCHEDULE

CONTRACT NO: 14PSX0331

CONTRACTOR NAME: HO PENN	
DELIVERY TIME ARO: 150 DAYS	PROMPT PAYMENT TERMS: NET 45 DAYS

ITEM #	DESCRIPTION OF COMMODITY AND/OR SERVICES	UNIT OF MEASURE	TOTAL PRICE
1.	**Backhoe Loader 1.3 Cu/yd.**	Each	1) **$86,800.00**
	Manufacturer: Caterpillar		
	Model 420 F2ST		
	Attachments		
2.	a) Hydraulic front bucket Attachment System	Each	2a) **$6,425.00**
	b) Heavy Duty 1.3 cu/yd bucket for Attachment System	Each	2b) **$2,990.00**
	c) 3rd Function Hydraulics	Each	2c) **$2,225.00**
	d) 12' snow pusher w/quick attachment system	Each	2d) **$8,975.00**
	e) 60" x 60" Pallet forks	Each	2e) **$3,135.00**
	f) Hydraulic Plate compactor	Each	2f) **$9,635.00**
	g) Hydraulic Hammer	Each	2g) **$18,345.00**
	h) 24" Wain Roy hydraulic jaw bucket	Each	2h) **$6,235.00**
	i) 48" Wain Roy hydraulic tilting grading bucket	Each	2i) **$5,755.00**
3.	Percent discount off MSRP for complete product line	% off	3) **30% off**
3a.	Percent discount off MSRP for repair parts	% off	3a) **1% off**
3b.	Percent discount off MSRP for attachments and accessories.	% off	3b) **24% off**
4.	Percent discount off MSRP for all allied equipment not specifically listed.	% off	4) **5% off**
5.	Annual Cost of Manufacturer's Extended Warranty beyond the 4 years or 5,000 hour already in Exhibit A.	Each	5) **N/A**
6.	Hourly Shop Labor Rate.	Hourly	6) **$150.00 per hour**

Plow Truck needing replacement

Plow Truck w/ Sander

Prepared for:
Joe Mitri, Jr.
Town of Trumbull
366 Churchhill Rd
Trumbull, CT 06611
Phone: 203-452-5071
Fax: 203-452-5140
Cell: 203-673-6049
E-Mail: jmitri@trumbull-ct.gov

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

QUOTATION
PER STATE CONTRACT # 14PSX0239

114SD CONVENTIONAL CHASSIS

- SET BACK AXLE - TRUCK
- CUM ISL 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# FLAT LEAF FRONT SUSPENSION
- 114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
- 4125MM (162 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 # 1B	TOTAL # OF UNITS (4)	$	82,750.00	$	331,000.00
ITEM # 1I		$	5,154.70	$	20,618.80
DEALER INSTALLED OPTIONS		$	0	$	0
CUSTOMER PRICE BEFORE TAX		$	***87,904.70***	$	***351,618.80***
TAXES AND FEES					
TAXES AND FEES		$	0	$	0
OTHER CHARGES		$	0	$	0
TRADE-IN					
TRADE-IN ALLOWANCE		$	(0)	$	(0)
BALANCE DUE	(LOCAL CURRENCY)	$	87,904.70	$	351,618.80

COMMENTS:
Projected delivery on ___/___/___ provided the order is received before ___/___/___.

APPROVAL:
Please indicate your acceptance of this quotation by signing below:

Customer: X_____ Date: ___/___/___

87,904.70
84,379.00
$172,283.70
+10%

New England Truck Equipment LLC

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

Quote Number: 20150001	Date: 3/23/2015	Subject: DTS Body

To: Town of Trumbull
366 Churchill Rd
Trumbull CT 06611

Attn: Carl Troesser
Phone: 203-452-5071
Fax: 203-452-5140
Cell:

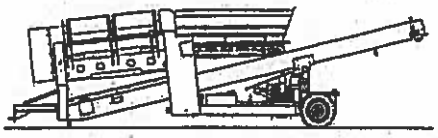
Email: jmitri@trumbull-ct.gov

Ship Via:	F.O.B. Point	Terms
Best Way	Wallingford CT	Purchase Orer/Net 30

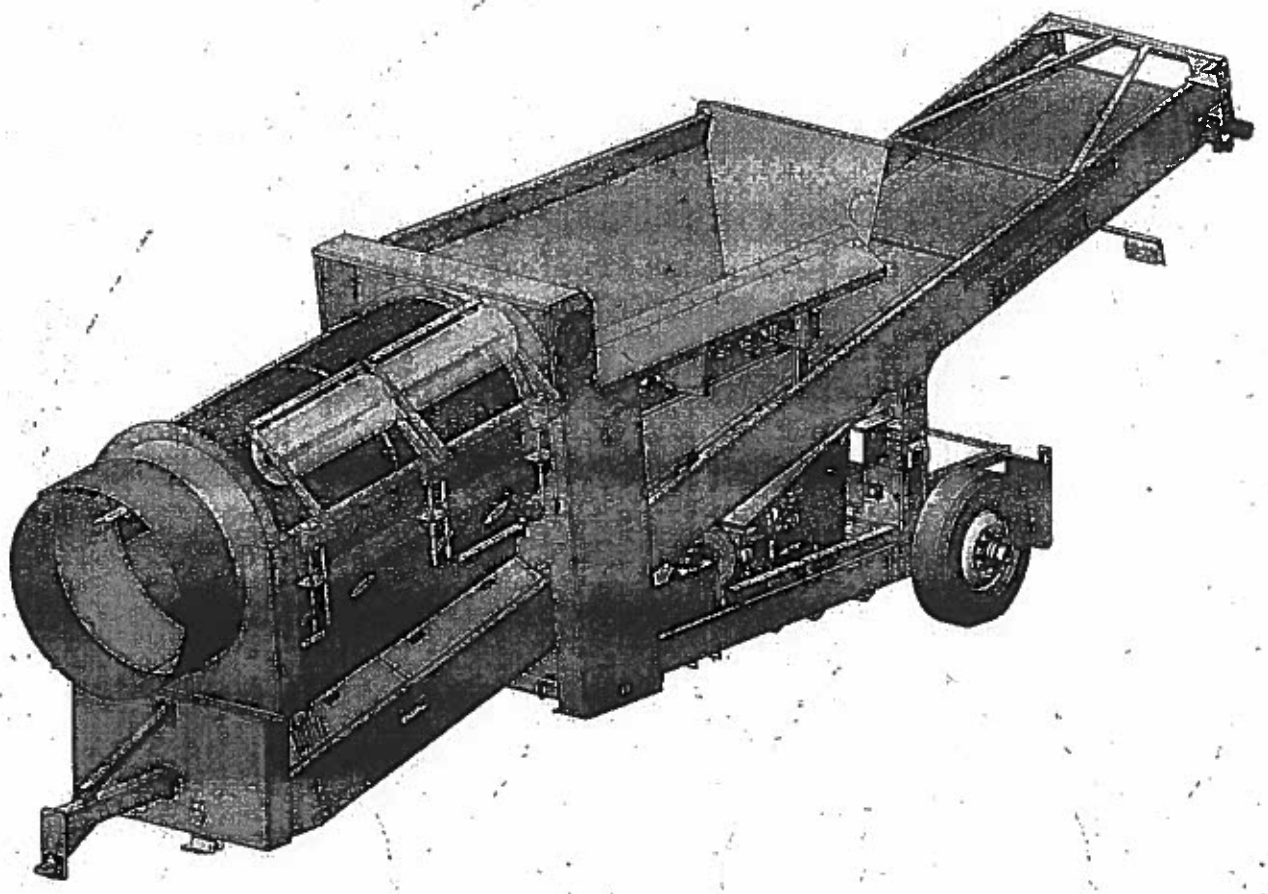
QTY	Description	List Price	Unit
	We hereby submit the following quote for you review and approval:		
1	State of Connecticut DOT Contract 11PSX0163 body, plow hoist, hitch, air controls, electronic spreader controls, consatnt running PTO, load sense hydraulics, 3/4" rear pintle plate w/30 ton pintle hook, Power Cover load cover.		$ 67,697.00
	Hot shift PTO	$ 600.00	$ 450.00
	Grip strut body side step	$ 466.67	$ 350.00
	3/16" Cab shield w/45 degree angle Whelen strobe boxes	$ 740.00	$ 555.00
	Whelen DOTNE1 Strobe system included in above pricing	$ -	$ -
	Stainless steel tailgate linkage	$ 646.67	$ 485.00
	Stainless steel underbody cross members	$ 1,666.67	$ 1,250.00
	Stainless steel spinner and chute assembly	$ 1,264.00	$ 948.00
	AR450 205,000 PSI floor in lieu of AR400 180,000 PSI	$ 400.00	$ 300.00
	Body side board pockets	$ 346.67	$ 260.00
	Full 304 stainless steel construction in lieu of 201 stainless steel	$ 2,576.00	$ 1,932.00
	Full 3/16" tailgate in leiu of 10 gauge	$ 1,136.00	$ 852.00
	Stainless steel shovel holder	$ -	$ -
	Dual auger system in lieu of conveyor chain	$ -	$ -
	Stainless steel bracket upgrade includes mud flap & mtg. brackets	$ 1,266.67	$ 950.00
	On-Spot tire chains		$ 2,061.00
	MPR39-39-57-11-ISCT		$ 8,002.00
	Deduct for no load cover		$ (1,450.00)
	Deduct 80 Gallon headboard mounted liquid tank in lieu of 240 gallon		$ (263.00)
	Amount		$ 84,379.00
	Option: 2.2 AVL GPS System		$ 3,968.35
	Respectfully submitted,		
	Ron Burr		
	New England Truck Equipment		

Current Seawall Photo 1

Current Screenall Photo 2

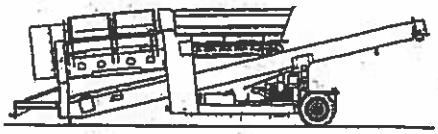


SPECIFICATIONS
512A, 512AP



Note: Optional equipment may be displayed

Specifications are subject to change without notice



DESCRIPTION

Heavy duty mobile trommel with following features:

- 5'x12' heavy duty trommel drum
- 100Hp CAT engine
- Wheeled mobility
- Fast on site setup time (10 minutes)
- 5th wheel connection (512A), pintle connection (512AP)

SAFETY FEATURES

External belt alignment points
External grease points
Engine safety shutdown systems
Full safety guarding for nip points

DIMENSIONS AND WEIGHTS

Pintle Connection

• Transport Length	12.85m (42' – 2")
• Transport Height	3.69m (12' – 1")
• Transport Width	2.59m (8' – 6")
• Weight	9,750 Kgs (21,500 lbs.)
• Working Length	12750m (41' – 9½")
• Working Width	2590m (8' – 6")
• Working Height	3520m (11' – 6½")
• Loading Height	3.00m (9' – 10")

5th Wheel Connection

• Transport Length	12.03m (39' – 6")
• Transport Height	4.12m (13' – 6")
• Transport Width	2.59m (8' – 6")
• Weight	10,210 Kgs (22,500 lbs.)
• Working Length	12030m (39' – 6")
• Working Width	2590m (8' – 6")
• Working Height	3520m (11' – 6½")
• Loading Height	3.00m (9' – 10")

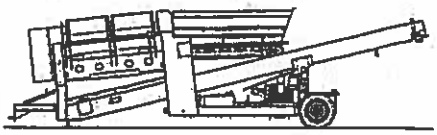
CAPACITIES

Diesel tank capacity	295 L (78 US gal)
Hydraulic tank capacity	680 L (180 US gal)
Hopper Capacity	3.4 m^3 (4.5 yd^3)

FEED CONVEYOR

Belt width	750mm (30")
Belt spec	Plain 500/3 5+1.5
Drive drum dia.	305mm (12")
Tail drum dia.	254mm (10")
Gearbox	Brevini CTD2051
Gearbox ratio	34,7:1
Motor	Sam Hydraulik BRZ250
• Flow rate	65 l/m (18 US g/m)
• Adjustable speed	Yes
• Maximum speed	8 rpm

Specifications are subject to change without notice



FINES CONVEYOR

Belt width	1200mm (48")
Belt spec	Plain 400/2 4+2
Drive drum dia.	254mm (10")
Tail drum dia.	254mm (10")
Motor	White RT32
• Flow rate	85 l/m (22 US g/m)
• Maximum speed	143 rpm

TROMMEL (DRUM)

Dimensions	1.52m x 3.66m (5' x 12')
Screening Area	11.8 m^2 (127 ft^2)
Trommel angle	5°
Trommel motor	White DT19 (18.3cc/rev)
Drive system	Direct drive with 18x7 rubber wheels
Hydraulic flow rate	125 l/m (33 US g/m)
Trommel speed	10 – 30 rpm
Adjustable speed	Yes
Longitudinal Trommel Supports	4 angle type lifters
Cleaning Brushes	Ground adjustable Ø16x50" polyester brushes

POWERUNIT AND HYDRAULICS

Engine	CAT C4.4
• Power	100 HP
• Speed	2200 rpm
Flywheel Pump 1	P257 64, 42, 35
Total system flow	276 l/m (73 US g/m)
Hydraulic tank capacity	680 L (180 US gal.)
Hydraulic tank ratio	2.5 : 1
Hydraulic oil cooler	Yes

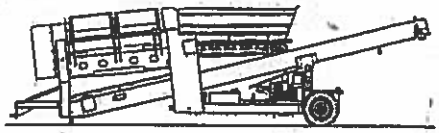
ELECTRICS

Emergency stops	2 off, 2 power unit RH&LH
Chassis cabling	Armored cable
Start Siren	Yes - 10 second delay
Engine shutdowns:	Low oil pressure
	High water temp
	Air filter blockage (selectable)
	Fuel contamination
	Low hydraulic tank level
Remote tipping grid	Yes - 2 function timed

WHEELS

Axle	Single Axle
Wheels	Single - wheel 315/80R22.5 (2 tires)
Spring suspension	No
Brakes	Yes
Mudguards	Yes
ABS	Option

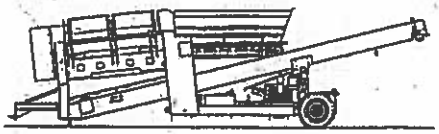
Specifications are subject to change without notice

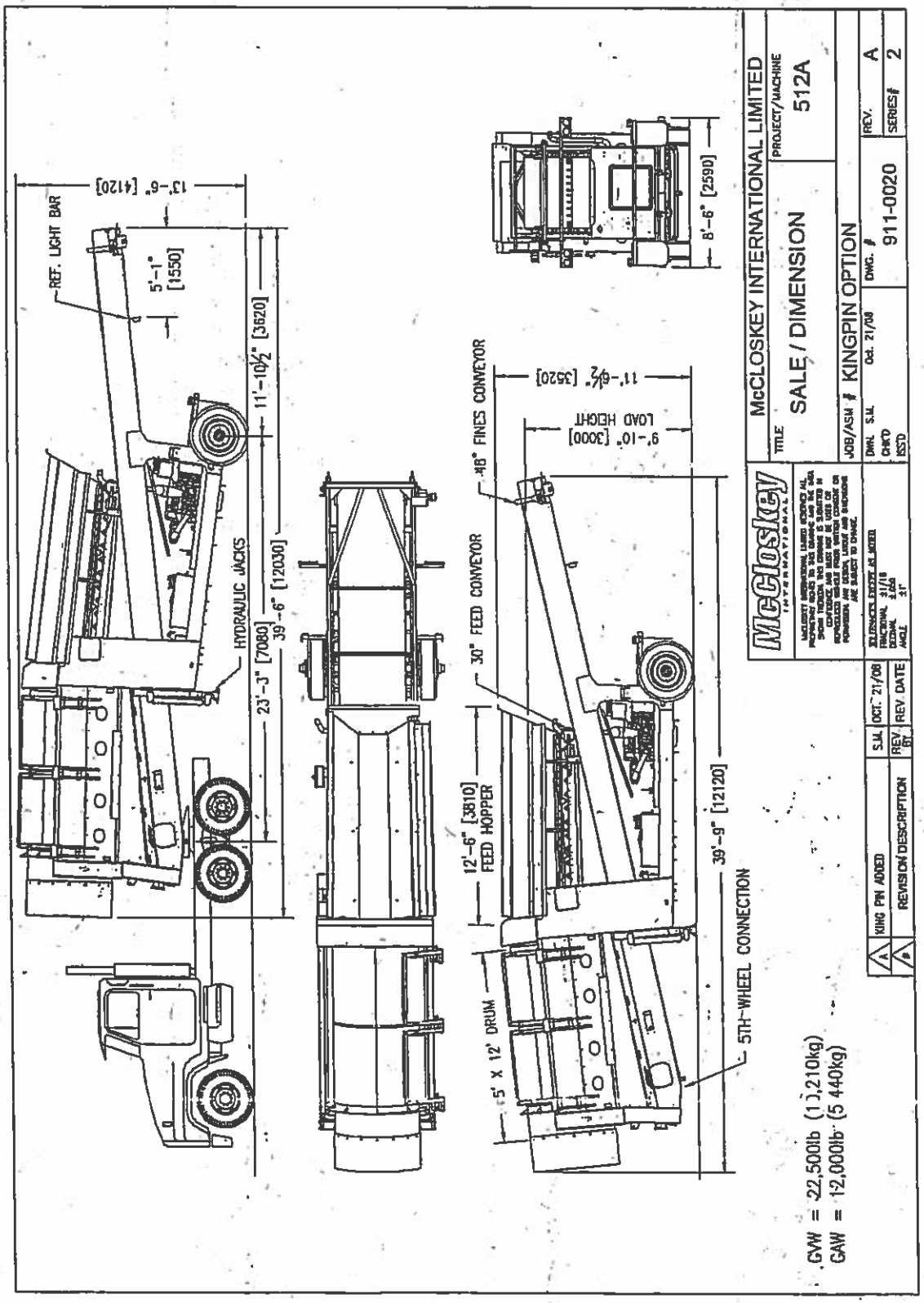


OPTIONS

Hydraulic Tipping Grid
Double Brushes
Auto Reversing Fan
Auxiliary Hydraulic Circuit
Punch Plate Screens
Remote Feeder On/Off
Spare drum

Specifications are subject to change without notice





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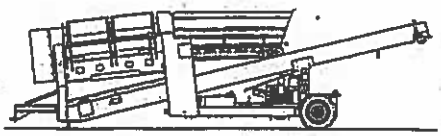

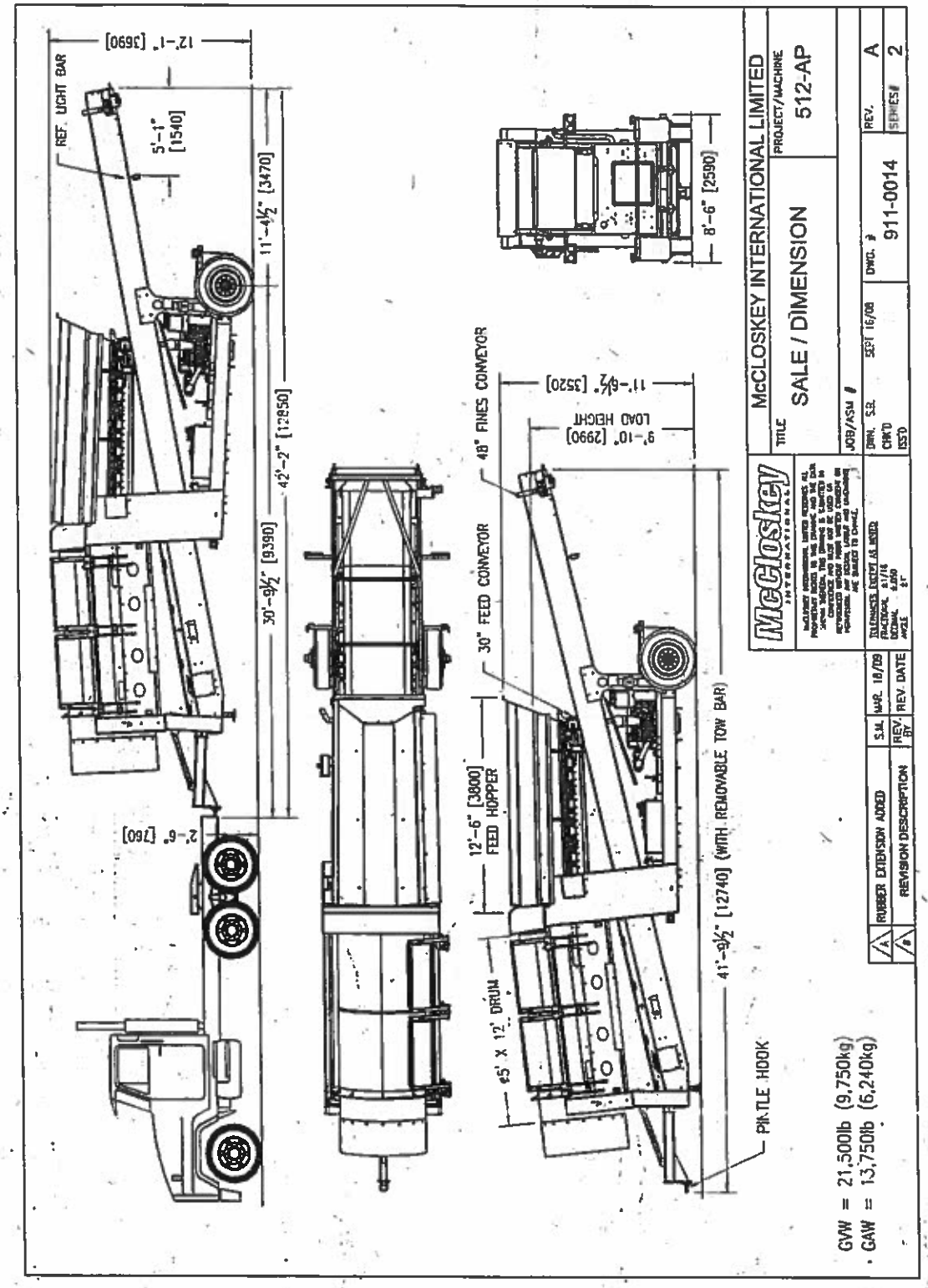

Specifications are subject to change without notice

TOWN OF TOWN TRUMBULL
BID RESULTS

BID RESULTS TOWN OF TRUMBULL

TYPE III CLASS A AMBULANCE - 2015 GM, G3500 Diesel Cutaway, Hi-Trim, 139" WB (No alternate)

Bid Received

RFP # 6117 EMS AMBULANCE DUE 4-28-2015 2PM			
COMPANY	TOTAL PRICE	Delivery	Warranty
AMERICAN EMERGENCY VEHICLES	$148,987.00	75 to 80 working days	Conversion 7 years or 70,000 miles...Chassis GM 3 years /36,000 miles

4-28-15 2pm

Kevin Bova Purchasing Agent

NORTHEASTERN
Communications Inc.
27 Wesley Drive
Trumbull, Connecticut 06611

QUOTATION

Phone (203) 268-9754 • Fax (203) 268-0691
E-Mail: dvieira@norcomct.net
Main Office 1-800-223-9008

Prepared For:
Trumbull EMS
Joe Laucella / Mike Delvecchio
250 Middlebrook Ave.
Trumbull, CT 06611

PHONE: 203-452-5079

Prepared By: Dennis Vieira Email: dvieira@norcomct.net

Date: 6/12/15

QTY	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
1	Removal from existing rig 902, includes removal of; • UHF dual control CMED mobile and single control VHF EMS mobile • Qty 2 vehicular chargers • Rear speaker and Mic	$150.00	**$150.00**
1	Installation into new 902 mini modular rig, includes installation of; • UHF CMED dual control mobile and new single control VHF EMS remote mount mobile. • Qty 2 vehicular chargers • Qty 2 antennas • Qty 2 Stream lights and chargers • Qty 1 rear speaker and mic for VHF EMS mobile. • Qty 1 rear mic for UHF CMED mobile.	$1,650.00	**$1,650.00**
1	Equipment and Accessories provided for installation, includes; • Qty 2 K794_25 thick roof mount w/ 25' cable • Qty 1 70176 Phantom UHF antenna • Qty 1 474192 Phantom antenna • Qty 2 SL20-XP_LED Stream Lights • Qty 1 17 foot control cable	$2,927.71	**$2,927.71**

Pricing, Descriptions, Quantities, Conditions and Terms have been read and agreed to.

Quotation Accepted By: _____ Title: _____ Date: _____
(Signature of Authorizing Person)

"Serving your communication needs for over 40 years"

MOTOROLA
Authorized Radio System Specialist

1993

2 Gals Graphics

146 Radio Rd
West Jefferson, NC 28694

Ph: (336)877-6758 cell
(336)977-4552

Our2GalsGraphics@outlook.com

Bill To: Hayes Shimp

Address:

Phone: 336-246-8506

Fax:

Email:

Invoice #:

Invoice Date: 7/16/2015

Invoice for: Trumbull EMS

Job #	Description	Qty	Unit Price	Discount	Price
15WC1919	6" Blue reflective belt w/ "Z" pattern				$502.00
	2" Orange reflective belt w/ custom QRS				$326.00
	KKK DOT package				$180.00
	Entire rear chevron				$490
	Lettering: Blue and Orange reflective				$642.00

Invoice Subtotal	$	2,140.00
Tax Rate		
Sales Tax		-
Other		
Deposit Received		
TOTAL	$	2,140.00

Make all checks payable to 2 Gals Graphics

Common Cents EMS Supply LLC

304 Boston Post Road
Old Saybrook, CT 06475
Toll Free Phone 866-388-4599

Quote

Date	Estimate #
6/24/2015	15-0700

Name / Address	Ship To
Trumbull Town Hall Accounts Payable 5866 Main Street Trumbull CT 06611	Trumbull Ambulance 250 Middlebrooks Avenue Trumbull, CT 06611

P.O. No.	Terms	Rep
	Net 30	JTD

Item	Description	Qty	Each	Total
POWERPRO	Stryker PowerPro XT Stretcher	1	13,450.40	13,450.40
STRYKHOOK	Stryker Power Pro Equipment Hook	1	45.08	45.08
STRYKXPSWTH	Stryker XPS Includes XPS Mattress	1	1,687.50	1,687.50
STRYKPPFLAT	Stryker Flat Storage Pouch	1	124.20	124.20
	Dual Wheel Lock 6086-502-010 Patient Right Cot Retaining Posts 6085033000 Power Pro Standard Components 6506026000 Siderail Option 6506031000 Sidetail Option 6506031000 Non Power Load Cot Capatibility 6506-029-000 English Manual 6506600000 120V AC SMRT Charging Kit 6500028000 Short Hook 6060036017 No Steer Lock 6506-037-000 3 Year X Frame Powertrain Warranty 7777881669 2 Year Bumper to Bumper Warranty 7777881670 Free Shipping No IV Pole 6500318000 G Rated Restraint Package 6500002030 Standard Fowler 6506012003 This is priced based on State of CT Contract 11PSX0117 which expired 12/31/2015. Pricing after 12/31/2015 will be on State of CT Contract 14PSX0287-IFB 22872 and will be at a higher cost.			

Subtotal	$15,307.18
Sales Tax (6.35%)	$0.00
Total	$15,307.18

Phone #	Fax #
860-388-4599	860-388-4699

Web Site
http://www.savelives.com

EXHIBIT F

CAPITAL BUDGET REQUEST - $398,000

REVITALIZATION OF LONG HILL GREEN

The goal of this project is to restore the Green to a beautiful small park and community gathering place. It will be the green jewel at the center of the revitalization of Long Hill Green Village commercial area.

In September 2012, staff prepared a grant application for the Long Hill Green area. This application included upgrades to landscape, hardscape & lighting within the Green itself and also envisioned a sidewalk extension to the Green along Main Street, and a potential traffic light. The total budget estimate was $500,000. Unfortunately, Trumbull was not selected for the grant award. However, since that time, private sector development has burgeoned in the immediately adjacent area. 6523 Main Street was completely refurbished and slightly expanded, and now serves as home to Berkshire Hathaway Properties. In January, 6528 Main Street, a 7,200 SF multi-tenant retail facility just north of the Green, will open its doors. Shortly thereafter, the redevelopment at 10 Broadway Road will deliver (Franco Gianni's site). This is Trumbull's first modern, mixed use project, with 8 apartments and 12,000 sq. ft. of retail in a village style format. All told, private sector investment in this area will exceed $3 million on those three properties alone, and we anticipate more development on the horizon in the immediate area. Given this context, and the clear directive from the 2014 Plan of Conservation & Development to increase walkable amenities and retail in the Town, we feel it is critical to set aside funding to upgrade the Long Hill Green. This would include funds to design and construct new landscaping, hardscaping and accent lighting within the Green, as well as pedestrian connections to adjacent developments as needed.

Using the budget generated by Tighe & Bond in 2012, and subtracting the cost of traffic light (not included in this capital budget request), we believe that $398,000 is an appropriate budget to achieve upgrades to the Green and adjacent pedestrian connections. The original grant application on budget page is attached.

Sensitive to the fact that we should leverage alternate funding sources whenever possible, the Town has also applied to the State of CT Department of Energy & Environmental Protection (DEEP) for a $200,000 grant to enhance Long Hill Green with hardscaping and landscaping materials that reduce storm water runoff and filter said runoff to the nearby stream. We believe we are finalists in this grant pool. If awarded, local match would be $80,000, and we anticipate those match funds coming from these capital dollars, if approved.

Long hill green

LID & Green Infrastructure
Preliminary Project Budget

4/2/15

GENERAL CONDITIONS

QTY	ITEM	UNIT	COST	x QTY	SUBTOTAL	GRANT TO COVER	TOWN
	SITE FENCING, EROSION CONTROL, TRAFFIC CONTROL, ETC	ALLOW	$6,000.00	$6,000.00	$6,000.00	$3,600.00	$2,400.00
12	TEMPORARY TOILET	MONTH	$145.00	$1,740.00	$1,740.00	$1,044.00	$696.00
	DUMPSTERS	ALLOW	$2,000.00	$2,000.00	$2,000.00	$1,200.00	$800.00
	LAWN RESTORATION & SITE CLEANUP	ALLOW	$5,500.00	$5,500.00	$5,500.00	$3,300.00	$2,200.00
					$15,240.00	*$9,144.00*	*$6,096.00*

1. CATCH BASINS HOODS

QTY	ITEM	UNIT	COST	x QTY	SUBTOTAL	GRANT TO COVER	TOWN
4	RETROFIT CATCH BASINS WITH HOODS	EA	$750.00	$3,000.00	$3,000.00	$1,800.00	$1,200.00
					$3,000.00	*$1,800.00*	*$1,200.00*

2. PERMEABLE PAVING

QTY	ITEM	UNIT	COST	x QTY	SUBTOTAL	GRANT TO COVER	TOWN
2100	REMOVE EXISTING PAVING & BASE (+/- 2100 SF)	SF	$2.75	$5,775.00	$5,775.00	$3,465.00	$2,310.00
2100	INSTALL NEW BASE & ADJUST GRADING (+/- 2100 SF)	SF	$1.75	$3,675.00	$3,675.00	$2,205.00	$1,470.00
50	NEW BASE MATERIAL (PER ENGINEER) (+/- 2100 SF @ 6" DEPTH)	TON	$63.00	$3,150.00	$3,150.00	$1,890.00	$1,260.00
2100	INSTALL NEW PERMEABLE PAVING (POROUS ASPHALT HMA)	SF	$14.00	$29,400.00	$29,400.00	$17,640.00	$11,760.00
3	4 - 4.5" CAL SPECIMEN TREE (URBAN/RIPARIAN TOLERANT)	EA	$850.00	$2,550.00	$2,550.00	$1,530.00	$1,020.00
	SELECTION & PICKUP AT LOCAL NURSERY	LS	$200.00	$200.00	$200.00	$120.00	$80.00
12	PLANTING LABOR + EQUIPMENT	HR	$185.00	$2,220.00	$2,220.00	$1,332.00	$888.00
16	LABOR & EQUIPMENT TO EXCAVATE & INSTALL NEW SIDEWALKS	HR	$185.00	$2,960.00	$2,960.00	$1,776.00	$1,184.00
8	CONCRETE FOR NEW SIDEWALKS (+/- 650SF @ 4" THICK)	CY	$275.00	$2,200.00	$2,200.00	$1,320.00	$880.00
15	BASE FOR NEW SIDEWALK (+/- 650SF @ 6" DEPTH)	TON	$50.00	$750.00	$750.00	$450.00	$300.00
					$52,880.00	*$31,728.00*	*$21,152.00*

3. LID TREE CELLS & TREES

QTY	ITEM	UNIT	COST	x QTY	SUBTOTAL	GRANT TO COVER	TOWN
12	LABOR & EQUIPMENT TO EXCAVATE FOR TREE CELL	HR	$185.00	$2,220.00	$2,220.00	$1,332.00	$888.00
3	ENGINEERED SOIL MIX (3 CELLS)	ALLOW	$3,600.00	$10,800.00	$10,800.00	$6,480.00	$4,320.00
3	CONCRETE VAULT & TREE GRATE (3 CELLS)	ALLOW	$8,500.00	$25,500.00	$25,500.00	$15,300.00	$10,200.00
	CONNECTION TO EXISTING CATCH BASIN/STORM DRAIN VIA UNDERDRAIN	ALLOW	$4,500.00	$4,500.00	$4,500.00	$2,700.00	$1,800.00
3	4 - 4.5" CAL SPECIMEN TREE (URBAN/RIPARIAN TOLERANT)	EA	$850.00	$2,550.00	$2,550.00	$1,530.00	$1,020.00
	SELECTION & PICKUP AT LOCAL NURSERY	LS	$200.00	$200.00	$200.00	$120.00	$80.00
12	PLANTING LABOR + EQUIPMENT	HR	$185.00	$2,220.00	$2,220.00	$1,332.00	$888.00
					$47,990.00	*$28,794.00*	*$19,196.00*

4. NATIVE PLANTING FILTER STRIP

QTY	ITEM	UNIT	COST	x QTY	SUBTOTAL	GRANT TO COVER	TOWN
3	PAINT LINES FOR PLANTING AREA FOR EDGING & HERBICIDE	HR	$85.00	$255.00	$255.00	$153.00	$102.00
4	BURNOUT/NATURE'S AVENGER HERBICIDE TREATMENT TO KILL LAWN AREAS	EA	$150.00	$600.00	$600.00	$360.00	$240.00
4	LABOR FOR EDGING OF PLANTING AREAS	HR	$165.00	$660.00	$660.00	$396.00	$264.00
250	NATIVE SHRUBS (10GAL OR 4-5' B&B)	EA	$120.00	$30,000.00	$30,000.00		
3400	NATIVE WILDFLOWER & MEADOW PLUGS (+/- 7650 SF @ 18" o.c.)	EA	$1.45	$4,930.00	$4,930.00	$2,958.00	$1,972.00
	FREIGHT FROM PLUG SOURCE TO SITE	LS	$500.00	$500.00	$500.00	$300.00	$200.00
	DELIVERY OF SHRUBS	LS	$450.00	$450.00	$450.00	$270.00	$180.00
24	COMPOST (+/- 7650SF @ 1" TOPDRESSING	CY	$55.00	$1,320.00	$1,320.00	$792.00	$528.00
18	SHREDDED HAY MULCH (+/- 9600SF @ 2" DEPTH; COVERAGE = 500SF PER BALE)	BALE	$45.00	$720.00	$720.00	$432.00	$288.00
36	PLUG PLANTING LABOR INCLUDING LAYOUT, COMPOST, MULCH	HR	$165.00	$5,940.00	$5,940.00	$3,564.00	$2,376.00
48	SHRUB PLANTING LABOR	HR	$185.00	$8,880.00	$8,880.00	$5,328.00	$3,552.00
3	POST-PLANTING COMPOST TEA APPLICATIONS	EA	$150.00	$450.00	$450.00	$270.00	$180.00
900	TEMPORARY PROTECTIVE FENCING UNTIL ESTABLISHMENT	LF	$3.95	$3,555.00	$3,555.00	$2,133.00	$1,422.00
					$68,260.00	*$16,956.00*	*$11,304.00*

5. SPECIMEN NATIVE TREE

QTY	ITEM	UNIT	COST	x QTY	SUBTOTAL	GRANT TO COVER	TOWN
	REMOVE EXISTING STUMP	LS	$500.00	$500.00	$500.00	$300.00	$200.00
1	4 - 4.5" CAL SPECIMEN TREE (NATIVE & LOW-GROWING)	EA	$3,500.00	$3,500.00	$3,500.00	$2,100.00	$1,400.00
	SELECTION & PICKUP AT LOCAL NURSERY	LS	$200.00	$200.00	$200.00	$120.00	$80.00
0.5	PLANTING SOIL MIX	CY	$50.00	$25.00	$25.00	$15.00	$10.00
0.5	MULCH	CY	$50.00	$25.00	$25.00	$15.00	$10.00
1	TREE GUYING KIT & SAFETY FLAGS	LS	$30.00	$30.00	$30.00	$18.00	$12.00
4	PLANTING LABOR + EQUIPMENT	HR	$185.00	$740.00	$740.00	$444.00	$296.00
					$5,020.00	*$3,012.00*	*$2,008.00*

INTERPRETATIVE SIGNAGE

QTY	ITEM	UNIT	COST	x QTY	SUBTOTAL	GRANT TO COVER	TOWN
	KIOSK	ALLOW	$5,200.00	$5,200.00	$5,200.00	$3,120.00	$2,080.00
	GRAPHICAL DESIGN & DELIVERY TO SITE	ALLOW	$3,200.00	$3,200.00	$3,200.00	$1,920.00	$1,280.00
					$8,400.00	*$5,040.00*	*$3,360.00*

SOFT COSTS

QTY	ITEM	UNIT	COST	x QTY	SUBTOTAL	GRANT TO COVER	TOWN
	ENGINEERING & DESIGN PROFESSIONAL SERVICES	ALLOW	$9,000.00	$9,000.00	$9,000.00	$5,400.00	$3,600.00
					$9,000.00	*$5,400.00*	*$3,600.00*

Total Project Value	$199,790.00
Grant Request (60%)	$119,874.00
Matching From Town of Trumbull (40%)	$79,916.00

Tighe&Bond
Consulting Engineers
Environmental Specialists

Prep'd Date 9/20/2012 By JAR
Ch'kd Date By
Town of Trumbull, CT
Funds
Town No.
Project No.
Sheet No. 1 of 1

Opinion of Probable Cost for the Construction of

Project Description: Main Street / Route 111, Trumbull, CT

BASE CONTRACT

Preliminary Cost Estimate

FROM STA TO STA
A LENGTH FEET AS SHOWN ON THE PLANS

Item	Est. Quant.	Unit	Unit Price	Total
Pavement; Reclaim		SY	$ 11.00	
Pavement; Milling [0-4", $4]		SY	$ 4.00	
Pavement; HMA [$90-$110] 4"	140	Ton	$ 100.00	$ 14,000
Bituminous Concrete Sidewalk (5' width; x' length)		SY	$ 50.00	
Drainage; Total Pavement Area "All New" [Suburban $2.00 - CBD $3.00]		SF	$ 3.00	
Drainage; Total Pavement Area "Upgrade" [$0.75]		SF		
Subbase [<500CY/$50; 500-2000CY/$35; >2000CY/$30] 12" for 10% of area for patching	225	CY	$ 40.00	$ 9,000
Pavement; Full Depth Patching		SY	$ 30.00	
Drainage; Pipe (12" - 15" - 24" - 48") [$30/$35/$50/$90]		LF		
Drainage; Catch Basins [$2500]	1	EA.	$ 2,500.00	$ 2,500
Drainage; Double Catch Basins [$1600-$2000]		EA.		
Drainage; New Catch Basin Top [$800]	4	EA.	$ 800.00	$ 3,200
Drainage; Reset Catch Basins [$500-$600] Including Mi's		EA.	$ 550.00	
Drainage; Culvert Ends [$900-$1000]		EA.		
Curbing; BCLC [$2.50-$8.00]		LF	$ 6.00	
Curbing; Add 2 foot strip of pavement x length	2,640	SF	$ 7.00	$ 18,480
Curbing; Cast in Place Concrete [$32]	1,320	LF	$ 32.00	$ 42,240
Curbing; Granite [$35 Est % of total quantity for replacement]		LF	$ 35.00	
Earth Exv. [<500CY/$48, 500-2500CY/$33; 2500-5000CY/$25; >5000CY/$20] 1' depth	405	CY	$ 33.00	$ 13,365
Rock Exv. [<654CY/$57; 654-6540CY/$34; >6540CY/$23]		CY	$ 57.30	
Borrow [<654/$19; 654-6540/$12; >6540/$6.50]		CY	$ 19.00	
Guide Railing; R-I or 3 Cable [$7-$11]		LF	$ 28.00	
Guide Railing; R-B (350) [$12-$16]		LF	$ 15.00	
Guide Railing; Systems 2-6A [$55-$70]		LF		
Guide Railing; Anchors [$500-$-660]		EA.	$ 500.00	
Impact Attenuator (Type B - Median/Gore)		EA.	$ 25,000.00	
Precast Concrete Barrier Curb (15" x 32")		LF	$ 42.00	
Precast Concrete Barrier Curb (24" x 32")		LF	$ 49.00	
Concrete Driveway Ramp (x' total length)		SF	$ 14.00	
Concrete Sidewalk	2,710	SF	$ 14.00	$ 37,940
Bituminous Driveway [$25-$35]	75	SY	$ 35.00	$ 2,625
Turf Establishment	545	SY	$ 5.00	$ 2,725
Interconnection, fiber optic cable and 3" R.M.C.		LF	$ 30.00	
Sedimentation Control [$2-$5]	1,500	LF	$ 4.00	$ 6,000
System Integration L.S.		LS		
Emergency vehicle preemption		EA.	$ 5,000.00	
Traffic Signals; New State Signal [$100,000-$120,000/intersection]	1	EA.	$ 150,000.00	$ 150,000
Traffic Signals; Major Modification [$80,000/intersection]		EA.		
Traffic Signals; Minor Modification [$30,000/intersection]		EA.	$ 30,000.00	
Retaining Wall; Double Wall & Reinforcing Earth [$51.11-$56]		SF		
Retaining Wall; Cast-in-Place Concrete [$60.40-$70]		SF		
Loop Detector Saw Cut	500	LF	$ 15.00	$ 7,500
			SUBTOTAL	$ 309,575
Traffic Items (4%)		4%		$ 12,383
Minor Items (0-25%) (Preservation 10%) (Rehabilitation 15%) (Full Depth Reconstruction 25%)		15%		$ 46,436
Contract Items			SUBTOTAL	$ 368,394
Clearing and Grubbing Roadway		0%		
Maint & Protection of Traffic		4%		$ 14,736
Trafficperson [state or town officer = $75/hr]	400	HR	$ 75.00	$ 30,000
Mobilization (7.5%)		7.5%		$ 27,630
Construction Staking (1%)		1%		$ 3,684
Inflation Factor (3% per year)		0%		
			CONSTRUCTION TOTALS	$ 444,444
CONTINGENCIES [<$5,000,000/10%] [>$5,000,000/5%]		10%		$ 44,444
INCIDENTALS [<$1 million/30%] [$1-5 million/25%] [$5-10 million/23%] (overlays 15%)		15%		$ 66,667
UTILITIES [Overhead, Fire Hydrant]				
PRELIMINARY ENGINEERING AND ENVIRONMENTAL		0%		
RIGHTS OF WAY				
			Sub-TOTAL ESTIMATED COST	$ 555,554
			TOWN CASH	
			TOTAL ESTIMATED COST	$ 555,554

Estimated By:
Checked By:
Date of Estimate:

EXHIBIT G

Project : **Colony Road Pond** Restoration

Date: 9/14/2015
Estimate By: Fred T&B
Checked By:

ITEM NO.	ITEM DESCRIPITION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Earth Excavation and Disposal	CY	2,600	$25.00	$65,000
	Cut Bituminous Concrete Pavement	LF	0	$2.00	$0
	Structure Excavation - Earth	CY	0	$40.00	$0
	Structure Excavation - Rock	CY	0	$150.00	$0
	Formation of Subgrade	SY	0	$1.50	$0
	Cold Reclaimed Asphalt Pavement	SY	0	$2.50	$0
	Handling Cold Reclaimed Asphalt Pavment	SY	0	$2.00	$0
	Material for Tack Coat	Gal	0	$5.00	$0
	HMA S 0.375"	Ton	0	$110.00	$0
	Rip Rap Channels	LF	450	$50.00	$22,500
	Cut Bituminous Concrete Pavement	LF	0	$2.00	$0
	Retaining Wall Stone Veneer Facing	SF	0	$20.00	$0
	Cofferdam and Dewatering	LS	1	$50,000.00	$50,000
	Stone Veneer Facing	SF	500	$0.00	$0
	Cast-In-Place Concrete, Class "A"	CY	50	$0.00	$0
	Re-lay drainage pipe	LF	30	$0.00	$0
	Removal of Existing Masonry	CY	50	$200.00	$10,000
	Water for Dust Control	M.Gal	2,000	$2.00	$4,000
	Furnishing and Placing of Topsoil	SY	2,800	$6.00	$16,800
	Wetland S Plans Restoration	SY	2,800	$25.00	$70,000
	Grout Existing Culvert	LS	0	$5,000.00	$0
	Metal Beam Rail	LF	0	$50.00	$0
	4" White Epoxy Resin Pavement Marking	LF	0	$1.00	$0
			UNIT PRICE SUBTOTAL =		$238,300

ALLOWANCES

	Mobilization	ALLOWANCE		$	50,000.00
	Permitting	ALLOWANCE		$	50,000.00 Design expense
				$	-
		ALLOWANCE SUBTOTAL =		$	100,000.00

	UNIT PRICE + ALLOWANCE =	$	338,300.00

LUMP SUM ITEMS

	Design	$	32,000.00	Design expense
	Inspection	$	40,000.00	
	Layout	$	4,000.00	
	LUMP SUM SUBTOTAL =	$	76,000.00	

SUBTOTAL -UNIT PRICE +ALLOWANCES+ LUMP SUM =	$	414,300.00

CONTINGENCY AND INCIDENTLALS

Contingency & Incidents (10% x (Unit Price + Allowances + Lump Sum))	$	41,430.00	
TOTAL =	$	455,730.00	

ADD 3% ESCALATION PER YEAR - IF NOT COMPLETED IN 2016 =	$	13,672.00

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

Project : **Bassick Road**
Culvert at Bassick Project

Date: 9/14/2015
Estimate By: Fred T&B
Checked By:

ITEM NO.	ITEM DESCRIPITION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Earth Excavation	CY	20	$15.00	$300
	Cut Bituminous Concrete Pavement	LF	60	$2.00	$120
	Structure Excavation - Earth	CY	80	$40.00	$3,200
	Structure Excavation - Rock	CY	15	$150.00	$2,250
	Formation of Subgrade	SY	350	$1.50	$525
	Pavement Milling	SY	350	$2.50	$875
	Subbase	CY	100	$35.00	$3,500
	Material for Tack Coat	Gal	20	$5.00	$100
	HMA S 0.375"	Ton	90	$110.00	$9,900
	Replace Headwall & Endwall	CY	50	$1,000.00	$50,000
	Cut Bituminous Concrete Pavement	LF	200	$2.00	$400
	Cofferdam and Dewatering	LS	1	$25,000.00	$25,000
	Stone Veneer Facing	SF	500	$20.00	$10,000
	Cast-In-Place Concrete, Class "A"	CY	50	$1,000.00	$50,000
	Re-lay drainage pipe	LF	30	$100.00	$3,000
	Removal of Existing Masonry	CY	50	$200.00	$10,000
	Water for Dust Control	M.Gal	2,000	$2.00	$4,000
	Rip Rap	CY	50	$50.00	$2,500
	Furnishing and Placing of Topsoil	SY	100	$6.00	$600
	Turf Establishment	SY	100	$2.00	$200
	Grout Existing Culvert	LS	1	$5,000.00	$5,000
	Metal Beam Rail	LF	200	$50.00	$10,000
	4" White Epoxy Resin Pavement Marking	LF	200	$1.00	$200
				UNIT PRICE SUBTOTAL =	$191,670

ALLOWANCES

	Uniformed Traffic Person	ALLOWANCE			$ 34,700.00
	Water Main Relocation	ALLOWANCE			$ 24,000.00
					$ -
				ALLOWANCE SUBTOTAL =	$ 58,700.00

	UNIT PRICE + ALLOWANCE =	$ 250,370.00

LUMP SUM ITEMS

	Design	$ 32,000.00
	Inspection	$ 45,000.00
	Layout	$ 4,000.00
	LUMP SUM SUBTOTAL =	$ 81,000.00

SUBTOTAL -UNIT PRICE +ALLOWANCES+ LUMP SUM =	$ 331,370.00

CONTINGENCY AND INCIDENTLALS

	Contingency & Incidents (10% x (Unit Price + Allowances + Lump Sum))	$ 33,137.00
	TOTAL =	$ 364,507.00

ADD 3% ESCALATION PER YEAR - IF NOT COMPLETED IN 2016 =	$ 375,442.00

10/21/2015

Project : **Lake Ave Sediment Area**
Restoration

Date: 9/14/2015
Estimate By: FMS
Checked By:

ITEM NO.	ITEM DESCRIPITION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Design	ls	1	$40,000.00	$40,000
	Permiting	allow	1	$15,000.00	$15,000
			UNIT PRICE SUBTOTAL =		$55,000

ALLOWANCES

		ALLOWANCE			
		ALLOWANCE			
					$ -
			ALLOWANCE SUBTOTAL =		$ -

	UNIT PRICE + ALLOWANCE =	$ 55,000.00

LUMP SUM ITEMS

		LUMP SUM SUBTOTAL =	$ -

	SUBTOTAL -UNIT PRICE +ALLOWANCES+ LUMP SUM =	$ 55,000.00

CONTINGENCY AND INCIDENTLALS

	Contingency & Incidents (10% x (Unit Price + Allowances + Lump Sum))	$	5,000.00
	TOTAL =	$	60,000.00

ADD 3% ESCALATION PER YEAR - IF NOT COMPLETED IN 2016 =	$	1,800.00

Tighe&Bond
Consulting Engineers
Environmental Specialists

Prep'd Date 6/26/2015 By CDY
Ch'kd Date 6/26/2015 By AJM
Town of Trumbull, CT
Project No. T0196-52
Sheet No. 1 of 1

Project Description

Opinion of Probable Cost for the Construction of
Pequonnock River Trail Crossing Improvements
Route 111 (Monroe Turnpike) Crossing
Preliminary Concept Improvements

No.	Item	Unit	Quantity	Price	Amount
	General Conditions				
1	Mobilization and Demobilization	LS	1	$1,500.00	$1,500
2	Maintenance and Protection of Traffic	LS	1	$5,000.00	$5,000
	Pavement Modifications				
3	Tactile Warning Strip	LF	30	$65.00	$1,950
4	Textured Pavement Crosswalk	SF	500	$30.00	$15,000
	Signage and Pavement Markings				
5	Sign Face - Sheet Aluminum	SF	50	$40.00	$2,000
6	Rectangular Rapid Flashing Beacon (RRFB) - Solar Powered (Including Push Button	Each	3	$7,500.00	$22,500
7	Traffic Control Foundation - Pedestal - Type 1	Each	1	$375.00	$375
8	8' Aluminum Pedestal	Each	1	$375.00	$375
9	Epoxy Resign Pavement Markings, Symbols and Legends	SF	750	$3.00	$2,250
				Subtotal	$50,950
			10%	**Contingencies**	$5,095.00
			30%	**Incidentals**	$15,285.00
				Engineering	$15,000.00
				TOTAL	$86,000

Project : **Route 111/ Old Mine Extension**
Intersectin Design

Date: 9/14/2015
Estimate By: FMS
Checked By:

ITEM NO.	ITEM DESCRIPITION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Surveying				$16,000
	Geotechnical				$13,000
	Preliminary Design				$24,000
	Semi Final Design				$20,000
	Traffic Signal Design				$20,000
	Final Design				$9,700
	Meetings				$7,500
	Permitting				$8,000
			UNIT PRICE SUBTOTAL =		$118,200

ALLOWANCES

		ALLOWANCE			
		ALLOWANCE			
					$ -
			ALLOWANCE SUBTOTAL =		$ -

	UNIT PRICE + ALLOWANCE =	$ 118,200.00

LUMP SUM ITEMS

		LUMP SUM SUBTOTAL =	$ -

	SUBTOTAL -UNIT PRICE +ALLOWANCES+ LUMP SUM =	$ 118,200.00

CONTINGENCY AND INCIDENTLALS

	Contingency & Incidents (10% x (Unit Price + Allowances + Lump Sum))	$	10,000.00
	TOTAL =	$	128,200.00

ADD 3% ESCALATION PER YEAR - IF NOT COMPLETED IN 2016 =	$	3,846.00

Note: $65,000 is proposed to come from Private Developer

Tighe&Bond
Consulting Engineers
Environmental Specialists

Prep'd Date 3/16/2015 By CDY
Ch'kd Date 3/16/2015 By DCH
Town of Trumbull, CT
Project No. T0196-52
Sheet No. 1 of 1

Project Description

Opinion of Probable Cost for the Construction of
Pequonnock River Trail Crossing Improvements
Whitney Avenue Crossing
Preliminary Concept

No.	Item	Unit	Quantity	Price	Amount
	General Conditions				
1	Mobilization and Demobilization (~2.0%)	LS	1	$2,000.00	$2,000
2	Maintenance and Protection of Traffic	LS	1	$2,500.00	$2,500
	Landscaping				
3	Tree Removal	EA	5	$500.00	$2,500
4	Clearing & Grubbing	LS	1	$2,500.00	$2,500
5	Furnishing and Placing of 4" Thick of Topsoil	SY	225	$8.00	$1,800
6	Turf Establishment	SY	225	$3.00	$675
	Soil Erosion Measures				
7	Silt Sack	Each	6	$250.00	$1,500
8	Siltation Fencing	LF	500	$5.00	$2,500
	Signage and Pavement Markings				
9	Sign Face - Sheet Aluminum	SF	85	$40.00	$3,400
10	Metal Sign Post	Each	2	$250.00	$500
11	Flashing Beacon / Rectangular Rapid Flashing Beacon (RRFB) - Solar Powered	Each	2	$7,500.00	$15,000
12	Traffic Control Foundation - Pedestal - Type 1	Each	2	$375.00	$750
13	8' Aluminum Pedestal	Each	2	$375.00	$750
14	Removal of Pavement Markings	SF	1,600	$0.80	$1,280
15	Removal and/or Relocation of Existing Signs	Each	5	$100.00	$500
16	4" Epoxy Resin White Pavement Marking	LF	2,000	$0.50	$1,000
17	4" Epoxy Resin Yellow Pavement Marking	LF	2,000	$0.50	$1,000
18	Epoxy Resign Pavement Markings, Symbols and Legends	SF	300	$3.00	$900
				Subtotal	$41,060
			10%	**Contingencies**	$4,110.00
			30%	**Incidentals**	$12,320.00
				TOTAL	$57,000

Project :	Town wide Bridges Restoration	Date:	9/14/2015
		Estimate By:	FMS
		Checked By:	

ITEM NO.	ITEM DESCRIPITION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Design - Scour anaysis town wide	ls	1	$30,000.00	$40,000
	Permiting	allow	1	$5,000.00	$5,000
			UNIT PRICE SUBTOTAL =		$45,000

ALLOWANCES

		ALLOWANCE	
		ALLOWANCE	
			$ -
		ALLOWANCE SUBTOTAL =	$ -
		UNIT PRICE + ALLOWANCE =	$ 45,000.00

LUMP SUM ITEMS

	LUMP SUM SUBTOTAL =	$ -
	SUBTOTAL -UNIT PRICE +ALLOWANCES+ LUMP SUM =	$ 45,000.00

CONTINGENCY AND INCIDENTLALS

	Contingency & Incidents (10% x (Unit Price + Allowances + Lump Sum))	$ 5,000.00
	TOTAL =	$ 50,000.00
	ADD 3% ESCALATION PER YEAR - IF NOT COMPLETED IN 2016 =	$ 1,500.00

EXHIBIT H

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

Project : **WPCA - Various Town-Wide Repairs**

Date: 10/20/2015
Estimate By: Frank
Checked By:

ITEM NO.	ITEM DESCRIPITION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Sanitary Point Repair (0-9.9' Deep)	ea	5	$5,000.00	$25,000
	Sanitary Point Repair (10.0-14.9' Deep)	ea	3	$15,000.00	$45,000
	Sanitary Point Repair (15.0-19.9' Deep)	CY	1	$18,000.00	$18,000
			UNIT PRICE SUBTOTAL =		$88,000

ALLOWANCES

	Uniformed Traffic Person	ALLOWANCE			$ 5,000.00
					$ -
			ALLOWANCE SUBTOTAL =		$ 5,000.00

	UNIT PRICE + ALLOWANCE =	$ 93,000.00

LUMP SUM ITEMS

	Inspection		$ 7,000.00
		LUMP SUM SUBTOTAL =	$ 7,000.00

SUBTOTAL -UNIT PRICE +ALLOWANCES+ LUMP SUM =	$ 100,000.00

CONTINGENCY AND INCIDENTLALS

	Contingency & Incidents (10% x (Unit Price + Allowances + Lump Sum))		
		TOTAL =	$ 100,000.00

ADD 3% ESCALATION PER YEAR - IF NOT COMPLETED IN 2016 =	$ 103,000.00

10/28/2015

Project : **WPCA-Beardsley Pump Station - Flow Analysis**

Date: 10/20/2015

Estimate By: FMS

Checked By:

ITEM NO.	ITEM DESCRIPITION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Design - Calendar year 2016	ea	1	$80,000.00	$75,000
			UNIT PRICE SUBTOTAL =		$75,000

ALLOWANCES

	Reimbursable Items	ALLOWANCE			$ 15,000.00
	Permitting	ALLOWANCE			
					$ -
			ALLOWANCE SUBTOTAL =		$ 15,000.00

	UNIT PRICE + ALLOWANCE =	$ 90,000.00

LUMP SUM ITEMS

		LUMP SUM SUBTOTAL =	$ -

SUBTOTAL -UNIT PRICE +ALLOWANCES+ LUMP SUM =	$ 90,000.00

CONTINGENCY AND INCIDENTLALS

	Contingency & Incidents (10% x (Unit Price + Allowances + Lump Sum))		$ 9,000.00
		TOTAL =	$ 99,000.00

ADD 3% ESCALATION PER YEAR - IF NOT COMPLETED IN 2016 =

Project :	WPCA-Emergency Bypass Forcemain Connection	Date:	10/20/2015
		Estimate By:	FMS
		Checked By:	

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Forcemain Connection	ea	3	$16,000.00	$48,000
			UNIT PRICE SUBTOTAL =		$48,000

ALLOWANCES

	Reimbursable items	ALLOWANCE			
	Permitting	ALLOWANCE			
					$ -
		ALLOWANCE SUBTOTAL =			$ -
		UNIT PRICE + ALLOWANCE =			$ 48,000.00

LUMP SUM ITEMS

	LUMP SUM SUBTOTAL =	$ -

SUBTOTAL -UNIT PRICE +ALLOWANCES+ LUMP SUM =	$ 48,000.00

CONTINGENCY AND INCIDENTLALS

	Contingency & Incidents (10% x (Unit Price + Allowances + Lump Sum))	$ 7,000.00
	TOTAL =	$ 55,000.00

ADD 3% ESCALATION PER YEAR - IF NOT COMPLETED IN 2016 =

Project : **WPCA-Emergency Bypass Pump w/ Tailor**

Date: 10/20/2015

Estimate By: FMS

Checked By:

ITEM NO.	ITEM DESCRIPITION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Pump Purchase	ea	1	$40,000.00	$40,000
	trailor	ea	1	$5,000.00	$5,000
			UNIT PRICE SUBTOTAL =		$45,000

ALLOWANCES

	Reimbursable Items	ALLOWANCE			
	Permitting	ALLOWANCE			
					$ -
			ALLOWANCE SUBTOTAL =		$ -

	UNIT PRICE + ALLOWANCE =	$ 45,000.00

LUMP SUM ITEMS

		LUMP SUM SUBTOTAL =	$ -

	SUBTOTAL -UNIT PRICE +ALLOWANCES+ LUMP SUM =	$ 45,000.00

CONTINGENCY AND INCIDENTLALS

	Contingency & Incidents (10% x (Unit Price + Allowances + Lump Sum))		$ 4,500.00
		TOTAL =	$ 49,500.00

ADD 3% ESCALATION PER YEAR - IF NOT COMPLETED IN 2016 =

Project : **WPCA-Park Ave Pump Station & Forcemain**

Date: 10/20/2015

Estimate By: FMS

Checked By:

ITEM NO.	ITEM DESCRIPITION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	Final Pump Station Design	ea	1	$190,000.00	$190,000
	Forcemain design	ea	1	$40,000.00	$40,000
			UNIT PRICE SUBTOTAL =		$230,000

ALLOWANCES

	Reimbursable items	ALLOWANCE	$	9,000.00
	Permitting	ALLOWANCE		
			$	-
		ALLOWANCE SUBTOTAL =	$	9,000.00

UNIT PRICE + ALLOWANCE =	$	239,000.00

LUMP SUM ITEMS

LUMP SUM SUBTOTAL =	$	-

SUBTOTAL -UNIT PRICE +ALLOWANCES+ LUMP SUM =	$	239,000.00

CONTINGENCY AND INCIDENTLALS

Contingency & Incidents (10% x (Unit Price + Allowances + Lump Sum))	$	23,900.00
TOTAL =	$	262,900.00

ADD 3% ESCALATION PER YEAR - IF NOT COMPLETED IN 2016 =