

Agenda
Hightstown Borough Council
Workshop Meeting
 January 5, 2015
 First Aid Building
 7:00 PM

PLEASE TURN OFF ALL CELL PHONES DURING YOUR ATTENDANCE AT THIS MEETING TO AVOID SOUNDS/RINGING OR CONVERSATION THAT MAY INTERFERE WITH THE MEETING OR THE ABILITY OF ATTENDEES TO HEAR THE PROCEEDINGS. THANK YOU FOR YOUR COOPERATION.

Meeting called to order by Mayor Lawrence Quattrone.

STATEMENT: Adequate notice of this meeting has been given in accordance with the Open Public Meetings Act, pursuant to Public Law 1975, Chapter 231. Said notice was provided to the *Trenton Times* and the *Windsor-Hights Herald*, and is posted in the Borough Clerk's office.

Roll Call

Flag Salute

Resolution 2014-23 Appointing Acting Deputy Clerk for Public Session

Approval of Meeting Agenda

Councilmember Appointment **2014-24** Appointing a Councilmember to Fill the Vacancy of an Unexpired Term Ending December 31, 2015

Swearing-In of Councilmember

Minutes December 15, 2014 Executive Session

December 15, 2014 Open Session

Public Comment I Any person wishing to address the Mayor and Council at this time will be allowed a maximum of three minutes for his or her comments.

Resolutions **2014-25** Authorizing the Payment of Bills

Discussion Fire Truck
 Hutchinson Road Project
 Referral of the Main Street Redevelopment Plan to the Hightstown Planning Board
 Water Plant Wells
 Downtown Hightstown
 Goals & Objectives for 2015

Public Comment II Any person wishing to address the Mayor and Council at this time will be allowed a maximum of three minutes for his or her comments.

Mayor/Council/Administrative Reports

Resolution 2014-26 Appointing Acting Deputy Clerk for Executive Session

Executive Session: **Resolution 2014-27**

Contract Negotiations – Shared Services (Various – Police/Dispatch/Court)
Personnel – Professional Services

Adjournment

Resolution 2015-23

*BOROUGH OF HIGHTSTOWN
COUNTY OF MERCER
STATE OF NEW JERSEY*

NAMING AN ACTING DEPUTY CLERK FOR PUBLIC SESSION

WHEREAS, The Borough Clerk is not available for the January 5, 2015 meeting of the Borough Council; and

WHEREAS, it is the desire of Borough Council to deputize Peggy Riggio to perform the duties of the Borough Clerk for the public portion of this meeting; and

WHEREAS, Peggy Riggio shall perform all the duties of the Borough Clerk for said meeting.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the Borough of Hightstown that Peggy Riggio is hereby named as Acting Deputy Clerk for the public meeting of the Borough Council on January 5, 2015 and shall perform the duties of the Borough Clerk for said meeting.

CERTIFICATION

I hereby certify the foregoing to be a true copy of a resolution adopted by the Borough Council at a meeting held on January 5, 2015.

Debra L. Sopronyi
Borough Clerk

Resolution 2015-24

BOROUGH OF HIGHTSTOWN
 COUNTY OF MERCER
 STATE OF NEW JERSEY

APPOINTING A COUNCILMEMBER TO FILL THE VACANCY OF AN UNEXPIRED TERM ENDING DECEMBER 31, 2015

WHEREAS, there exists a vacancy in the office of Councilmember due to the election of Lawrence Quattrone to the Office of Mayor effective January 1, 2015; and

WHEREAS, the Municipal Vacancy Law (N.J.S.A. 40A:16-1 *et seq.*), provides that the Municipal Committee of the party that previously filled the seat shall submit within fifteen (15) days three (3) names for Council's consideration in filling the vacancy; and

WHEREAS, the Democratic Municipal Committee submitted the names of three (3) Nominees on January 1, 2015; and

WHEREAS, pursuant to the Municipal Vacancy Law, the Borough Council must, fill the vacancy by the appointment of a successor from the three (3) Nominees put forward from same political party which had nominated the incumbent whose office had become vacant; and

WHEREAS, the Borough Council has publicly deliberated the nominees presented by the Democratic Municipal Committee to fill the vacancy with a member who would best serve the residents of the Borough; and

WHEREAS, by vote of Borough Council, the Council has decided to appoint _____ to fill the position of Councilmember for the unexpired term ending December 31, 2015.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the Borough of Hightstown that _____ is hereby appointed to serve in the position of Councilmember to fill the vacancy of the unexpired term ending December 31, 2015.

CERTIFICATION

I hereby certify the foregoing to be a true copy of a resolution adopted by the Borough Council at a meeting held on January 5, 2015.

Debra L. Sopronyi
 Borough Clerk

**Meeting Minutes
Hightstown Borough Council
Regular Meeting
December 15, 2014
First Aid Building**

PLEASE TURN OFF ALL CELL PHONES DURING YOUR ATTENDANCE AT THIS MEETING TO AVOID SOUNDS/RINGING OR CONVERSATION THAT MAY INTERFERE WITH THE MEETING OR THE ABILITY OF ATTENDEES TO HEAR THE PROCEEDINGS. THANK YOU FOR YOUR COOPERATION.

Meeting called to order by Mayor Steven Kirson 6:04 PM.

STATEMENT: Adequate notice of this meeting has been given in accordance with the Open Public Meetings Act, pursuant to Public Law 1975, Chapter 231. Said notice was provided to the Trenton Times and the Windsor-Hights Herald, and is posted in the Borough Clerk's office.

The flag salute followed Roll Call.

	PRESENT	ABSENT
<i>Councilmember Bluth</i>	✓	
<i>Councilmember Hansen</i>	✓	
<i>Councilmember Kurs</i>	✓	
<i>Councilmember Misiura</i>		✓
<i>Councilmember Quattrone</i>	✓	
<i>Councilmember Thibault</i>	✓	
<i>Mayor Kirson</i>	✓	

Also in attendance: Debra Sopronyi, Borough Clerk; Henry Underhill, Borough Administrator; and Frederick Raffetto, Esq. Borough Attorney. Council-Elects Lee Stults and Connor Montferrat were also present.

Resolution 2014-241 Authorizing a Meeting Which Excludes the Public

Councilmember Quattrone moved resolution 2014-241, Council President Bluth seconded.

Roll Call Vote: Council members Bluth, Hansen, Kurs, Quattrone, and Thibault voted yes.

Resolution adopted 5-0.

Resolution 2014-241

*BOROUGH OF HIGHTSTOWN
COUNTY OF MERCER
STATE OF NEW JERSEY*

AUTHORIZING A MEETING WHICH EXCLUDES THE PUBLIC

BE IT RESOLVED by the Mayor and Council of the Borough of Hightstown that this body will hold a meeting on December 15, 2014 at 6:00p.m. in the First Aid Building located at 168 Bank Street, Hightstown that will be limited

December 15, 2014

only to consideration of an item or items with respect to which the public may be excluded pursuant to section 7b of the Open Public Meetings Act.

The general nature of the subject or subjects to be discussed:

Litigation – Lasky/Pavlak
Contract Negotiations – Shared Services (Various – Police/Dispatch/Court)

Stated as precisely as presently possible the following is the time when and the circumstances under which the discussion conducted at said meeting can be disclosed to the public: March 15, 2015 or when the need for confidentiality no longer exists.

The public is excluded from said meeting, and further notice is dispensed with, all in accordance with sections 8 and 4a of the Open Public Meetings Act.

The Flag Salute followed Roll Call.

George Lang, CFO joined the meeting at this time and was now present.

Mayor Kirson reviewed that there have been revisions to resolution 2014-245 since the packet was publicly posted; and requested that resolution 2014-249 be added to the agenda following resolution 2014-242. He then read the title of resolution 2014-249.

Councilmember Quattrone moved the agenda as amended for approval, Councilmember Hansen seconded.

Roll Call Vote: Council members Bluth, Hansen, Kurs, Quattrone and Thibault voted yes.

Agenda approved as amended 5-0.

Councilmember Hansen moved the November 17, 2014 executive session minutes for approval, Council President Bluth seconded.

Roll Call Vote: Council members, Bluth, Hansen, Kurs, Quattrone and Thibault voted yes.

Minutes approved 5-0.

Councilmember Quattrone moved the December 1, 2014 executive session minutes, Councilmember Hansen seconded.

Roll Call Vote: Council members, Bluth, Hansen, Kurs, Quattrone and Thibault voted yes.

Minutes approved 5-0.

Councilmember Quattrone moved the December 1, 2014 open session minutes, Councilmember Hansen seconded.

Roll Call Vote: Council members, Bluth, Hansen, Kurs, Quattrone and Thibault voted yes.

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Minutes approved 5-0.

Mayor Kirson opened public comment period I and the following individuals spoke:

Walter Sikorski, 326 S. Main Street – thanked Mayor Kirson for staying the course and completing the term, the journey was long and filled with many challenges; and commended him for his knowledge of the budget, various meetings with state and county public officials, his initiatives with advancing the prospect for the rug mill redevelopment; and for carrying out various ceremonial duties of the office of Mayor. He then wished Mayor Kirson, and his wife Joan, good health and a wonderful retirement.

Ron Bakely, FOP – stated that he represents FOP Lodge 140 and opposes outsourcing of the police and gave examples of his reasoning; noted that union elections are taking place and results will be available after January 8th. Negotiations cannot take place until the election results are in.

Councilmember Misiura arrived at this time.

Frank Rivera, 110 Broad Street – wished the outgoing Mayor and Council members well; recommended that Council research failures of other police outsourcing; noted that exploring outsourcing does not mean the world is coming to an end; the attacks aimed at Council at the last meeting were totally uncalled for.

Doug Mair, 536 N. Main Street – noted that at the last meeting Seth Kurs was surprised that he asked for a resolution to be tabled. During his campaign he said there was no problem that could not be solved within 12 hours; Seth passed a resolution without solving a problem and regarding the twelve hours, he was referring to himself. Commented that hiding behind executive session is both unjust and calibrated; Denny Hansen and Larry Quattrone both have said they can't talk about the negotiations, but the Mayor had no problem telling the media there were negotiations; Seth Kurs likes to bring up what he says, so he wants to return the favor...when the open public meeting signs were posted you said "Council meetings are where you get informed", then how come we are getting our information from the media and not you? Commented that this is the last open public meeting to be held between now and the expiration of the police contract, and the residents nor the officers have been told whether the Borough will be renewing their contract. He apologized to the police for no contract being in place.

Eugene Sarafin, 628 S. Main Street – noted that holidays are a time for good cheer; commented that he has been through nine Mayors and Steve Kirson did a marvelous job with various issues. Wished everyone good cheer.

Scott Caster, 12 Clover Lane – commented that he is uncomfortable with the flogging atmosphere in the room; this is not a police merger, it is buying services and the public is scared; recommended that Council look at the imbalance in School District policing.

Valerie Euyon, East Windsor – gave examples of research and results regarding police outsourcing, and commented that the issues with the police is not the officers; harassment and retaliation is common place at the police department and the police should not be punished for doing their job; residents deserve the police department and the police deserve a good work environment.

There being no further comments, Mayor Kirson closed the public comment period.

Resolution 2014-242 Authorizing the Payment of Bills.

Councilmember Quattrone moved resolution 2014-242, Councilmember Kurs seconded.

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Roll Call Vote: Council members Bluth, Hansen Kurs, Misiura, Quattrone and Thibault voted yes.

Resolution adopted: 6-0

Resolution 2014-242

*BOROUGH OF HIGHTSTOWN
COUNTY OF MERCER
STATE OF NEW JERSEY*

AUTHORIZING PAYMENT OF BILLS

WHEREAS, certain bills are due and payable as per itemized claims listed on the following schedules, which are made a part of the minutes of this meeting as a supplemental record;

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the Borough of Hightstown that the bills be paid on audit and approval of the Borough Administrator, the appropriate Department Head and the Treasurer in the amount of \$229756.90 from the following accounts:

Current	\$138,210.82
W/S Operating	80,278.31
General Capital	8,283.10
Water/Sewer Capital	1,594.00
Grant	0.00
Trust	1,379.27
Housing Trust	0.00
Animal Control	11.40
Law Enforcement Trust	0.00
Housing Rehab Loans	0.00
Unemployment Trust	0.00
Escrow	<u>0.00</u>
 Total	 <u>\$229,756.90</u>

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Resolution 2014-249 Authorizing the Execution of a Release and Settlement Agreement with Gregory Lasky and Nicholas Pavlak

Councilmember Quattrone moved resolution 2014-249, Council President Bluth seconded.

Councilmember Thibault commented that he will be voting for this because it is necessary to close the case. He noted that these individuals are a team who goes from town to town looking for ADA compliance issues for which they can sue. They are known for lining their pockets under the guise of ADA compliance.

Roll Call Vote: Council members Bluth, Hansen Kurs, Misiura, Quattrone and Thibault voted yes.

Resolution adopted: 6-0

Resolution 2014-249

*BOROUGH OF HIGHTSTOWN
COUNTY OF MERCER
STATE OF NEW JERSEY*

AUTHORIZING THE EXECUTION OF A RELEASE AND SETTLEMENT AGREEMENT WITH GREGORY LASKY AND NICHOLAS PAVLAK.

WHEREAS, the Borough of Hightstown (the “Borough”) was named as a Defendant in two (2) separate matters which are currently pending before the Superior Court of New Jersey, Law Division, Mercer County, entitled Lasky vs. Borough of Hightstown, bearing Docket No. MER-L-216-09 and Pavlak, et al. vs. Borough of Hightstown, bearing Docket No. MER-L-378-12, respectively; and

WHEREAS, it is the recommendation of the attorney appointed to represent the Borough’s interests in these cases that the matters be settled in accordance with the terms and conditions set forth in the attached Settlement Agreement (also referenced as the “Agreement”); and

WHEREAS, the Borough believes that it is in the best interests of the Borough to resolve these matters in accordance with the terms and conditions set forth in the Agreement.

NOW, THEREFORE, BE IT RESOLVED, by the Borough Council of the Borough of Hightstown as follows:

1. That the settlement of these matters in accordance with the terms and conditions set forth in the attached Settlement Agreement is hereby approved.
2. That the Borough Administrator is hereby authorized to execute the attached Settlement Agreement on behalf of the Borough.
3. That all relevant officials are hereby authorized and directed to undertake any actions necessary to effectuate and implement the said Agreement.
4. That a certified copy of this Resolution shall be provided to each of the following:
 - a. Eric L. Harrison, Esq.;

December 15, 2014

- b. Henry Underhill, Hightstown Borough Administrator;
- c. George Lang, Hightstown Borough Chief Financial Officer;
- d. Carmela Roberts, P.E., Hightstown Borough Engineer; and
- e. Frederick C. Raffetto, Esq., Hightstown Borough Attorney.

Consent Agenda Resolutions 2014-243, 2014-244, 2014-245, 2014-246, 2014-147 and 2014-248

Councilmember Kurs moved resolutions 2014-243, 2014-244, 2014-245, 2014-246, 2014-147 and 2014-248 as the consent agenda, Councilmember Misiura seconded.

Mayor Kirson read the titles of the resolutions aloud and gave a brief explanation of each.

Roll Call Vote: Council members Bluth, Hansen, Kurs, Misiura, Quattrone and Thibault voted yes.

Resolutions adopted 6-0.

Resolution 2014-243

*BOROUGH OF HIGHTSTOWN
COUNTY OF MERCER
STATE OF NEW JERSEY*

**AUTHORIZING CASH FUNDS TO ESTABLISH A CHANGE FUND FOR THE
OFFICE OF THE MUNICIPAL CLERK**

WHEREAS, the Office of the Municipal Clerk issues licenses, bulk stickers, and other permits as required by law or ordinance of the Borough; and

WHEREAS, the Borough Clerk has requested that a change fund be established in the Office of the Municipal Clerk to accommodate residents when making payments; and

WHEREAS, the Chief Finance Officer has found that a change fund for the Office of the Municipal Clerk is appropriate.

THEREFORE BE IT RESOLVED by the Mayor and Council of the Borough of Hightstown that the Chief Finance Officer is authorized to establish a change fund for the Office of the Municipal Clerk in the amount of \$50.00.

Resolution 2014-244

*BOROUGH OF HIGHTSTOWN
COUNTY OF MERCER
STATE OF NEW JERSEY*

**AUTHORIZING CHANGE ORDER #1 AND FINAL & PAYMENTS # 1 & #2 AND
FINAL – THE EARLE COMPANIES (REPAIRS AND OVERLAY TO MORRISON
AVENUE & WARD STREET)**

December 15, 2014

WHEREAS, on July 7, 2014 the Borough Council awarded a contract for the Morrison Avenue Overlay and Ward Street Repairs to Earle Companies of Farmingdale, New Jersey in the amount of \$109,443.33; and

WHEREAS, the contractor has submitted change order #1 and Final which adjusts the contract for as-built quantities and additional pavement improvements at the intersection of Stockton Street, Harron Avenue, and Dutch Neck Road; and

WHEREAS, the Borough Engineer has recommended approval of change order #1 Final bringing the final contract amount to \$122,398.05; and

WHEREAS, the contractor has submitted payment request #1 related to mobilization, milling, paving, and striping in the amount of \$119,950.09; and

WHEREAS, the contractor has submitted payment request #2 and Final in the amount of \$2,447.96 which releases retainage; and

WHEREAS, the Borough Engineer has recommended approval of payments #1 and #2 and Final to Earle Companies in the amount of \$122,398.05; and

WHEREAS, the Borough Attorney has reviewed the final close-out documents and found them to be in order; and

WHEREAS, certified payrolls have been received; and

WHEREAS, the Treasurer has certified that funds are available for this expenditure.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the Borough of Hightstown that Change Order #1 Final, and Payment Requests #1 and #2 and Final to Earle Companies of Farmingdale, New Jersey in the amount of \$122,398.05 is hereby approved as detailed herein, and the Treasurer is authorized to issue same.

Resolution 2014-245

*BOROUGH OF HIGHTSTOWN
COUNTY OF MERCER
STATE OF NEW JERSEY*

AUTHORIZING A TRANSFER OF FUNDS IN THE 2014 BUDGET

Whereas, N.J.S.A. 40A:4-58 provides that the governing body may authorize a transfer of funds in the budget during the last two months of the fiscal year.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the Borough of Hightstown that the following transfers in the 2014 budget are hereby authorized:

December 15, 2014

<u>Current:</u>	<u>From</u>	<u>To</u>
Municipal Clerk		
Other Expenses		\$ 1,000.00
Financial Administration		
Other Expenses		\$ 400.00
Tax Collector		
Other Expenses		\$ 600.00
Police Fire Communications		
Salaries and Wages		\$ 2,000.00
Emergency Management		
Salaries and Wages	\$ 4,000.00	
Board of Health		
Salaries and Wages		\$ 1,000.00
Employee Group Health Insurance		
Other Expenses	\$ 1,000.00	
Streets & Roads		
Other Expenses	\$ 5,000.00	
Recycling		
Other Expenses	\$ 1,700.00	
Buildings & Grounds		
Other Expenses		\$ 6,700.00
TOTALS	\$ 11,700.00	\$ 11,700.00

Resolution 2014-246

*BOROUGH OF HIGHTSTOWN
COUNTY OF MERCER
STATE OF NEW JERSEY*

**AUTHORIZING PAYMENT ON BEHALF OF PARTICIPANTS IN THE BOROUGH
OF HIGHTSTOWN LENGTH OF SERVICE AWARD PROGRAM (LOSAP)**

WHEREAS, the Borough of Hightstown instituted a Length of Service Award Program (LOSAP) with the adoption of Ordinance 1999-20 on August 2, 1999 and its subsequent approval by referendum at the November 1999 general

December 15, 2014

election; and

WHEREAS, said LOSAP became effective January 1, 2000; and

WHEREAS, in accordance with *N.J.S.A. 40A:14-191*, the Hightstown First Aid Squad and Hightstown Engine Co. No. 1 have submitted certified listings of all volunteer members who qualified for credit under the LOSAP program for the year 2008; and

WHEREAS, certain volunteers are also eligible to redeem amounts “banked” during prior years of qualified service; and

WHEREAS, the listing of all employees who qualified for credit under the LOSAP program during 2013 and/or are eligible to redeem amounts banked during prior years of qualified service is attached hereto as Schedule “A”; and

WHEREAS, *N.J.A.C. 5:30-14.10* requires that these listings be approved by Resolution of the governing body;

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the Borough of Hightstown that the certified listings set forth on the attached Schedule A of volunteer members of the Hightstown First Aid Squad and Hightstown Engine Co. No. 1 who qualified for credit under the LOSAP program for the year 2013 are hereby approved, and the Borough Administrator is directed to take all steps necessary to provide payment on their behalf to Lincoln Financial Group in accordance with the provisions and requirements of *N.J.S.A. 40A:14-191* and *N.J.A.C. 5:30-14.1 et seq*; and

BE IT FURTHER RESOLVED that a certified copy of this Resolution be provided to the Hightstown First Aid Squad and Hightstown Engine Co. No. 1; and

BE IT FURTHER RESOLVED that, in accordance with *N.J.S.A. 40A:14-192*, copies of the approved listings shall be posted for a period of not less than 30 days in the Borough Clerk’s office, at the Hightstown Firehouse and at the Hightstown First Aid Squad building.

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Schedule "A" – Page 1 of 2

The following volunteers qualified by points earned during the year 2013 for credit in the Borough of Hightstown Length of Service Awards Program (LOSAP), AND/OR are eligible to redeem amounts "banked" during prior years of qualified service. Points were earned in accordance with the point system established in Ordinance 1999-20 and certified by the Fire Chief and First Aid Squad President. Total allowable contribution for each year of qualified service is \$750.00. Total allowable payment into fund on behalf of any one volunteer in any one year, including current year contribution, buyback of prior year service and/or redemption of amounts banked during prior years of qualified service, is \$1,150.00.

Hightstown Engine Co. No. 1

Dye, Carl
 Jones, Lawrence
 Baldino, John.
 Havens, Sr., W.
 Paglione, William
 Reed, Jason
 Mastriano, Richard
 Bukowski, Matthew
 Shekiro, Ronald
 Sugg, Charles
 Havens, Jr., W.
 Madonia, M.
 Weisel, A. J.
 Evers, Gary
 Van Kirk, Lawrence
 Jenkins, S.
 Johnson, B.
 Krakowski, Scott
 Reed, Chad
 Sidelinger, James
 Hastings, Daniel
 Derr, Don
 Diamond, Scott
 Pietsch, C

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Schedule "A" – Page 2 of 2

Hightstown First Aid Squad

- Boguszewski, Nancy
- Boguszewski, Stephen
- Guyette, John
- Guyette, Margaret
- Lecorchick, William
- Lidke, Theresa
- Stackhouse, Keith
- Moore, Christina
- Pilla, Jason
- Storey, Lisa
- Cornejo, Ronald
- Fat, Christina
- Lebrun, Melissa
- Sastre, Marcelo
- Soto, Osvaldo

Resolution 2014-247

*BOROUGH OF HIGHTSTOWN
COUNTY OF MERCER
STATE OF NEW JERSEY*

RESOLUTION CANCELING 2014 APPROPRIATION BALANCES

WHEREAS, the following 2014 Water-Sewer Utility Operating budget appropriation balances remain unexpended:

Other Expenses	\$30,000.00
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; and

WHEREAS, it is necessary to formally cancel said balances so that the unexpended balances offset estimated realized revenues;

NOW, THEREFORE, BE IT RESOLVED by the Council of the Borough of Hightstown, that the above listed unexpended balances of the Water-Sewer Operating 2014 Budget be canceled.

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Resolution 2014-248
BOROUGH OF HIGHTSTOWN
COUNTY OF MERCER
STATE OF NEW JERSEY

**RESCINDING RESOLUTION 2014-216 AND RE-AUTHORIZING SALE BY ASSIGNMENT OF TAX
SALE CERTIFICATE #0-23**

WHEREAS, Resolution 2014-216 erroneously stated that there were funds due on the property known as Block 49, Lot 6; and

WHEREAS, the taxes on said property have been paid and are current.

NOW THEREFORE BE IT RESOLVED, the Mayor and Council of the Borough of Hightstown, in the County of Mercer and State of New Jersey hereby rescind resolution 2014-216.

BE IT FURTHER RESOLVED, by the Mayor and Council of the Borough of Hightstown, in the County of Mercer and State of New Jersey, that, pursuant to N.J.S.A. 54:5-113, the following Tax Sale Certificate is hereby assigned to Lawrence Blake, 118 Dutch Neck Road, Hightstown, New Jersey, for the nominal sum of One Dollar (\$1.00) and other good and valuable consideration.

Certificate No.:	0-23
Property Location:	Block 49, Lot 6
Owner of Record:	David Saltman
Date of Tax Sale:	September 12, 2000

Mayor Kirson opened public comment period II and the following individuals spoke:

Walter Sikorski, 326 N. Main Street – noted that he was a member of the NJEA and members were not privy to union negotiations until they came up for a vote; Council cannot reveal details of the outsourcing negotiations, and the public will know the details when it is appropriate; the police will continue working under their present contract.

Tammy Gordy, Ewing Township – commented that she lived in Hightstown in 1993 when there was a murder in Hightstown at the Housing Authority; police cleaned up the Housing Authority and if the police are outsourced the drugs and other problems will return.

Doug Mair, 536 S. Main St. – commented that everyone knows Sikorski released information during the previous police negotiations; if police are outsourced the Council can forget about their political future; spoke regarding the Council and Planning Board meeting regarding the rug mill redevelopment and now the Mayor states that the developer backed out due to an issue that was already known.

Sean Lovett, FOP President – noted that the police are unified and came to this meeting on their own time and are supporting Hightstown Borough; the issues at the police department are in the hands of the Prosecutor and

December 15, 2014

questions should be answered by the Prosecutor, Hightstown has no control.

Frank Marchione, Hightstown Police Department – commented that he is being treated differently than the other officers because he is not getting his sick and vacation time paid and has K-9 time left but it has been zeroed out.

Scott Caster, 12 Clover Lane – commented that something is wrong, Hightstown deserves to be treated like a Borough, not a Township; the police cleaned up the town in the past; he never wanted the negotiating numbers at the last meeting, he wanted the actual cost for the police department. He wished the Mayor the best in the future.

Gary Snook, 357 Morrison Avenue – inquired how the Borough can negotiate outsourcing when the police do not have a contract; inquired as to what the police commissioner does; inquired whether the present Commissioner will retain the position when he becomes Mayor; commented that the East Windsor Mayor is not interested in anything unless East Windsor benefits.

George Zhelesnik, 7 Ely Court – noted that he is a retired police officer and suggested that the police give the statistics on crime in Hightstown; he commented that the Hightstown police are outstanding.

Frank Rivera, 110 Broad Street – noted that he was impressed by David Coates' comments at the last meeting and it is Council's responsibility to research outsourcing and shared services; evaluating and researching is needed.

Ron Bakely, FOP – commented that the police are willing to negotiate a fair contract to help with financial issues; Hightstown must work under the process and keep the police intact.

There being no further comments, Mayor Kirson closed the public comment period.

Mayor/Council/Administrative Comments and Committee Reports

Councilmember Thibault – noted that this is his final meeting and it has been an interesting three years with the good outweighing the bad; appreciates the descending voices from the public, it makes him think. The Council needs to be a watchdog and question everything; they have a financial responsibility to the public. Four years ago he was a proponent to outsourcing the police, and now that that he has more information he is concerned. He is still concerned with the Marchione issue, but this is an issue that Council cannot solve. Council needs to look at the culture of the Borough, there are several unresolved issues; Council needs to be vigilant. He has always been interested in what the public has to say.

Councilmember Misiura – thanked Mayor Kirson for all his hard work; and thanked Council members Thibault and Bluth for their service.

Councilmember Kurs – commented that he has heard from the Voters that they want consolidation and shared services, and he ran for office on that platform; he is answering to the public's wishes. He noted that it is a hardship for anyone who gets laid off and he gave examples of how nobody's job is secure; he referenced the comments from the last meeting and noted that the police are not entitled to lifetime job security any more than anyone else. The police do a good job. He thanked the FOP union leaders for confirming that Council cannot do anything about certain matters once it is in the hands of the County Prosecutor. The Housing Authority has a meeting on their

December 15, 2014

budget next week and they have formed a Residents Council; they are at 99% occupancy. He thanked the Mayor, and Council members Bluth and Thibault for their service to the residents. He wished everyone Happy Holidays.

Councilmember Quattrone – noted that he has enjoyed working with the Mayor, and he thanked Council members Bluth and Thibault for their service; commented that the FOP should look at why towns are outsourcing and merging police services; it is because the residents want it. He noted that he will speak to the Administrator about the vacation time issue with Marchione. The Police Commissioner is a Liaison between the police and Council, and is essential. He wished everyone Happy Holidays.

Councilmember Hansen – noted that she is hearing the same comments each meeting, and they think Council does not care and the staff is inept, but that is not true. This has been an excellent year; there is a lot going on and huge decisions are being made. She hopes the public changes their tune when they see the results, and they need to realize that things take time. She will miss working with the Mayor, and Council members Bluth and Thibault. She wished everyone Merry Christmas.

Council President Bluth – commented that she will give her farewell speech on the first of January; the Parks & Recreation Commission is looking for members. She wished everyone Happy Holidays.

Mayor Kirson – referenced a visit with another Mayor at the League and a book in which unresolved issues in New Jersey are listed; Legislators need to work harder to address important issues. He wished the new Mayor and Council good luck and thanked the Borough Attorney for his service and guidance; it has been an interesting four years.

Frederick Raffetto, Borough Attorney – expressed best wishes to the departing Mayor and Council.

Councilmember Thibault motioned to adjourn at 9:02pm, Councilmember Hansen seconded. All ayes.

Respectfully Submitted,

Debra L. Sopronyi, RMC
Borough Clerk

December 15, 2014

Resolution 2015-25

*BOROUGH OF HIGHTSTOWN
COUNTY OF MERCER
STATE OF NEW JERSEY*

AUTHORIZING PAYMENT OF BILLS

WHEREAS, certain bills are due and payable as per itemized claims listed on the following schedules, which are made a part of the minutes of this meeting as a supplemental record;

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the Borough of Hightstown that the bills be paid on audit and approval of the Borough Administrator, the appropriate Department Head and the Treasurer in the amount of \$1,146,444.31 from the following accounts:

Current	\$954,138.80
W/S Operating	41,269.01
General Capital	128,171.80
Water/Sewer Capital	13,992.00
Grant	0.00
Trust	215.55
Housing Trust	0.00
Animal Control	8.40
Law Enforcement Trust	0.00
Housing Rehab Loans	0.00
Unemployment Trust	0.00
Escrow	<u>8,648.75</u>
 Total	 <u><u>\$1,146,444.31</u></u>

CERTIFICATION

I hereby certify the foregoing to be a true copy of a resolution adopted by the Borough Council at a meeting held on January 5, 2015.

Debra L. Sopronyi
Borough Clerk

5-January, 2015

To: Mayor and Council

From: Finance Office

Re: Manual Bill List

CURRENT ACCOUNT

	<u>PO #</u>	<u>AMOUNT</u>
Treasurer, State of New Jersey/2003 DRI	14-02120	4,962.94
East Windsor Regional School	14-02210	821,770.00
Mercer County Sheriff's Office	14-02322	1,190.00
State of NJ-Dept of Treas.	14-02206	46,868.47
Debra Sopronyi, Custodian	14-02271	50.00
TOTAL		<u><u>874,841.41</u></u>

GENERAL CAPITAL

Earle Asphalt Company		<u>122,398.05</u>
		<u>122,398.05</u>

WATER AND SEWER OPERATING ACCOUNT

St. of NJ-Dept of Treas.	14-02206	14,911.95
TOTAL		<u><u>14,911.95</u></u>

MANUAL TOTAL

1,012,151.41

Vendor # Name	PO #	PO Date	Description	Contract	PO Type	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
A1014 APPROVED FIRE PROTECTION, INC.											
	14-02069	11/10/14	FEI, HPCOHT, HYDROTEST, ETC								
	1		FIRE EXTINGUISHER INSPECTION	78.20	4-09-55-501-002-507	R	11/10/14	12/30/14		I11410719	N
	2		HPCOHT	47.48	4-09-55-501-002-507	R	11/10/14	12/30/14		I11410719	N
	3		15CORCH	59.68	4-09-55-501-002-507	R	11/10/14	12/30/14		I11410719	N
	4		CO2 VALVE REBUILT	18.95	4-09-55-501-002-507	R	11/10/14	12/30/14		I11410719	N
				<u>204.31</u>							
			Vendor Total:	204.31							
A0541 ASBURY PARK PRESS											
	14-02303	12/22/14	LEGAL ADS 12/2/14								
	1		SOLID WASTE ADDENDUM 12/2/14	33.75	4-01-20-120-001-021	R	12/22/14	12/30/14		ASB-060572	N
			Vendor Total:	33.75							
ATTWI005 AT&T WIRELESS											
	14-02309	12/23/14	287258726345 11/13-12/12/14								
	1		POLICE	232.16	4-01-43-507-001-029	R	12/23/14	12/30/14		287258726345	N
	2		DPW WIRELESS PHONES	243.50	4-01-31-440-001-079	R	12/23/14	12/30/14		287258726345	N
	3		WTP WIRELESS PHONES	177.49	4-09-55-501-003-548	R	12/23/14	12/30/14		287258726345	N
	4		AWTP WIRELESS PHONES	101.75	4-09-55-501-003-550	R	12/23/14	12/30/14		287258726345	N
				<u>754.90</u>							
			Vendor Total:	754.90							
A0454 ATLANTIC TOMORROW'S OFFICE											
	14-02260	12/17/14	MAINTENANCE CONTRACT SHREDDER								
	1		MAINTENANCE CONTRACT SHREDDER	368.00	4-01-25-240-001-029	R	12/17/14	12/30/14		CN1N426176	N
			Vendor Total:	368.00							
B0055 B & H CONTRACTING, INC											
	14-02212	12/05/14	EMERGENCY DIGESTER REPAIRS								
	1		EMERGENCY DIGESTER REPAIRS	1,800.00	4-09-55-501-002-503	R	12/05/14	12/30/14			N
			Vendor Total:	1,800.00							

Vendor # Name	PO #	PO Date	Description	Contract Amount	PO Type Charge Account	Acct Type Description	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
B0076 BERGEY'S TRUCK CENTER												
	14-02314	12/23/14	SPEED CONTROL REPAIR/2007VOLVO									
	1		SPEED CONTROL REPAIR/2007 VOLV	1,002.23	4-01-26-305-001-034	B Motor Vehicle Parts & Access.	R	12/23/14	12/30/14		RM11634C	N
	Vendor Total:			1,002.23								
B0921 BRITTON INDUSTRIES, INC												
	14-02184	12/05/14	INV 0029329-00 YARD WASTE DISP									
	1		INV 0029329-00	192.30	4-01-26-311-001-168	B Yardwaste	R	12/05/14	12/30/14		0029329-00	N
	Vendor Total:			192.30								
C0742 CHARLES SOLANA & SONS												
	14-00613	04/02/14	CERTIFICATION OF FUME HOOD									
	1		CERTIFICATION OF FUME HOOD	90.00	4-09-55-501-002-518	B Service Contracts - AWWTP	R	04/02/14	12/30/14		181235	N
	Vendor Total:			90.00								
C0023 COMCAST												
	14-02279	12/17/14	8499052430034100 12/11/14 DATE									
	1		8499052430034100 12/11/14 DATE	137.85	4-01-20-140-001-060	B Internet Services and Web Services	R	12/17/14	12/30/14		849905243003410	N
	14-02310	12/23/14	8499 05 244 0157826 12/17/14									
	1		8499 05 244 0157826 12/17/14	102.85	4-09-55-501-002-545	B Internet Services	R	12/23/14	12/30/14		849905244015782	N
	Vendor Total:			240.70								
C0087 CUSTOM BANDAG, INC												
	14-02191	12/05/14	FLAT REPAIR - TRK 10									
	1		INV. 80089636 - FLAT REPAIR/	34.50	4-01-26-315-001-132	B Vehicle Maint. - Public Works	R	12/05/14	12/30/14		80089636	N
	14-02308	12/23/14	HPD ELECTRIC 11/4-12/03/14									
	1		HPD ELECTRIC 11/4-12/03/14	822.77	4-01-31-430-001-071	B Electric-Borough Hall	R	12/23/14	12/30/14		NOV. ELEC HPD	N
	Vendor Total:			857.27								

Vendor # Name	PO #	PO Date	Description	Contract Amount	PO Type Charge Account	Acct Type Description	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
C0088 CUSTOM ENVIRONMENTAL TECH, INC												
	14-00718	04/15/14	14 BLANKET ZETA LYTE 2685		B							
	14 INV	2121	ZETA LYTE 2696 CH	625.35	4-09-55-501-002-544	B Zeta Lyte 2685CH	R	12/05/14	12/30/14		2121	N
	15 INV	2114B	ZETA LYTE 2696 CH	2,501.40	4-09-55-501-002-544	B Zeta Lyte 2685CH	R	12/05/14	12/30/14		2114B	N
				3,126.75								
	Vendor Total:			3,126.75								
D0995 DIXIE USA EMS SUPPLY CO.												
	14-01269	07/10/14	FIRST AID SUPPLIES									
	1		OXYGEN CYLINDER D SIZED ALUM	164.85	4-01-25-240-001-116	B Traffic Bureau	R	07/10/14	12/31/14		F0049185	N
	2		CELOX HEMOSTAT GRANULES 15 GRM	67.80	4-01-25-240-001-116	B Traffic Bureau	R	07/10/14	12/31/14		F049185	N
	3		QUICK CLOT CLOTTING SPONGE	42.60	4-01-25-240-001-116	B Traffic Bureau	R	07/10/14	12/31/14		F049185	N
	4		THE EMERGENCY BANDAGE 6"	85.67	4-01-25-240-001-116	B Traffic Bureau	R	07/10/14	12/31/14		F049185	N
	5		PHILIPS AED BATTERY PACK	158.69	4-01-25-240-001-116	B Traffic Bureau	R	07/10/14	12/31/14		F049263	N
	6		PHILIPS ADULT AED PADS	145.60	4-01-25-240-001-116	B Traffic Bureau	R	07/10/14	12/31/14			N
				665.21								
	Vendor Total:			665.21								
E0157 EAST WINDSOR TOWNSHIP												
	14-02253	12/15/14	SENIOR CENTER INTERLOCAL									
	1		SENIOR CENTER INTERLOCAL	6,799.00	4-01-43-509-001-202	B Program Service Center-158	R	12/15/14	12/30/14		4TH QTR.	N
	14-02254	12/15/14	EMS CONTRACT -DECEMBER PAYMENT									
	1		EMS CONTRACT -DECEMBER PAYMENT	2,625.00	4-01-43-514-001-171	B EMERGENCY MEDICAL SERVICE-EAST WINDSOR	R	12/15/14	12/30/14		DECEMBER PAYT	N
	Vendor Total:			9,424.00								
E0205 ELECTRONIC MEASUREMENT LABS												
	14-02170	12/04/14	INV 43533 DATED 6/30/14 HFD									
	1		INV 43533 DATED 6/30/14 HFD	487.00	4-01-25-252-002-121	B Preventive Maintenance	R	12/04/14	12/30/14		43533	N
	Vendor Total:			487.00								
E0054 ERIC M. BERNSTEIN & ASSOC.,LLC												
	14-02334	12/30/14	34151,34152,34153,34154									
	1		34151,34152,34153,34154	300.00	4-01-20-155-001-031	B Labor,Personnel & Union Council	R	12/30/14	12/31/14		34151	N

Vendor # Name	PO #	PO Date	Description	Contract Amount	PO Type Charge Account	Acct Type Description	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
E0054 ERIC M. BERNSTEIN & ASSOC.,LLC Continued												
	14-02334	12/30/14	34151,34152,34153,34154			Continued						
	2		34151,34152,34153,34154	132.00	4-01-20-155-001-031	B Labor,Personnel & Union Council	R	12/30/14	12/31/14		34152	N
	3		34151,34152,34153,34154	96.00	4-01-20-155-001-031	B Labor,Personnel & Union Council	R	12/30/14	12/31/14		34153	N
	4		34151,34152,34153,34154	<u>107.61</u>	4-01-20-155-001-031	B Labor,Personnel & Union Council	R	12/30/14	12/31/14		34154	N
				635.61								
			Vendor Total:	635.61								
E1056 EXTRA SPACE STORAGE												
	14-02291	12/19/14	ACCT NO.1000301822 12/14 A456									
	1		ACCT NO.1000301822 12/14 A456	215.55	T-12-56-286-000-861	B ANIMAL WELFARE COMMITTEE	R	12/19/14	12/30/14		1000301822 A456	N
			Vendor Total:	215.55								
G0171 GEORGE E. CONLEY ELECTRIC												
	14-02255	12/17/14	INV 22629									
	1		INV 22629	1,052.51	4-01-31-435-001-075	B Street Lighting	R	12/17/14	12/30/14		22629	N
	2		INV 22622	903.21	4-01-26-310-001-024	B Building Maintenance	R	12/17/14	12/30/14		226922	N
	3		INV 22631	<u>330.00</u>	4-01-31-435-001-075	B Street Lighting	R	12/17/14	12/30/14		22631	N
				2,285.72								
			Vendor Total:	2,285.72								
G0001 GPANJ												
	14-02123	11/20/14	DECEMBER MEETING									
	1		REGISTRATION FOR	45.00	4-01-20-120-001-041	B Conferences & Meetings	R	11/20/14	12/30/14			N
			Vendor Total:	45.00								
G0050 GROVE SUPPLY INC												
	14-02153	11/25/14	INV #S4055119.001									
	1		INV #S4055119.001	186.81	4-09-55-501-001-503	B Water Plant Maintenance	R	11/25/14	12/30/14		S4055119.001	N
	14-02182	12/05/14	INV S4058825.001									
	1		INV S4058825.001	44.86	4-01-26-310-001-024	B Building Maintenance	R	12/05/14	12/30/14		S4058825.001	N

Vendor # Name	PO #	PO Date	Description	Contract Amount	PO Type Charge Account	Acct Type Description	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
G0050 GROVE SUPPLY INC												
Continued												
	14-02197	12/05/14	INV S4071181.001									
	1		INV S4071181.001	130.78	4-09-55-501-001-503	B Water Plant Maintenance	R	12/05/14	12/30/14		S4071181.001	N
	Vendor Total:			362.45								
H0122 HECTOR J. ORTIZ												
	14-02264	12/17/14	REIMBURSEMENT - UNIFORMS									
	1		REIMBURSEMENT - UNIFORMS	386.32	4-01-26-305-001-032	B Clothing & Uniforms	R	12/17/14	12/30/14			N
	Vendor Total:			386.32								
H0053 HIGHTS FARM EQUIPMENT CO.												
	14-01570	08/21/14	INV 0020846									
	1		GRAVELY LAWN MOWER REPAIR PART	43.32	4-09-55-501-002-503	B Sewer Plant Maintenance	R	08/21/14	12/30/14		0020846	N
	2		LABOR	158.40	4-09-55-501-002-503	B Sewer Plant Maintenance	R	08/21/14	12/30/14		0020846	N
				<u>201.72</u>								
	Vendor Total:			201.72								
H0459 HIGHTSTOWN ENGINE CO. #1												
	14-02217	12/08/14	AID TO FIRE DEPARTMENT									
	1		AID TO FIRE DEPARTMENT	5,000.00	4-01-25-255-002-118	B Aid To Fire Dept	R	12/08/14	12/30/14		2014	N
	Vendor Total:			5,000.00								
H1100 HOME DEPOT CREDIT SERVICES												
	14-02181	12/05/14	INV 8040332,6030187,5041728									
	1		RESIST CABLE TIE 500PK	25.97	4-01-26-290-001-127	B Street Repair & Maintenance	R	12/05/14	12/30/14		8040332	N
	2		INV 6030187 CLAMP/CABLE/CAULK	216.88	4-09-55-501-002-503	B Sewer Plant Maintenance	R	12/05/14	12/30/14		6030187	N
	3		INV 5041728 MASTER LOCK	3.74	4-01-26-290-001-127	B Street Repair & Maintenance	R	12/05/14	12/30/14		5041728	N
	4		INV 0031005 CABLE TIE/ BLK TIE	41.11	4-09-55-501-002-503	B Sewer Plant Maintenance	R	12/05/14	12/30/14		0031005	N
				<u>287.70</u>								
	14-02190	12/05/14	CLOTHESLINE AND SEWER REPAIR									
	1		INV. 7031300 - CLOTHESLINE	9.98	4-01-26-290-001-127	B Street Repair & Maintenance	R	12/05/14	12/30/14		7031300	N

Vendor # Name	PO #	PO Date	Description	Amount	Contract Charge Account	PO Type Acct Type Description	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date Invoice	1099 Excl
J0258 JCP&L (STREET LIGHTING) Continued											
	14-02282	12/18/14	100011415724 11/19-12/17/14								
	1	100011415724	11/19-12/17/14	305.02	4-01-31-435-001-075	B Street Lighting	R	12/18/14	12/30/14	100011415724	N
	2	GREEN MOUNTAIN ENERGY		150.03	4-01-31-435-001-075	B Street Lighting	R	12/18/14	12/30/14	100011415724	N
				455.05							
	14-02325	12/29/14	100081608240 10/03-11/3 REBILL								
	1	100081608240	10/03-11/3 REBILL	45.17	4-01-31-435-001-075	B Street Lighting	R	12/29/14	12/30/14	100081608240	N
	2	100081608240	11/4-12/3 REBILL	56.96	4-01-31-435-001-075	B Street Lighting	R	12/29/14	12/30/14	100081608240	N
				102.13							
			Vendor Total:	2,622.22							
J0030 JUDGE JAMES NEWMAN											
	14-02207	12/05/14	MALPRACTICE POLICY								
	1	MALPRACTICE POLICY		346.00	4-01-20-176-000-157	B Insurance-Professional Liability (Judge)	R	12/05/14	12/30/14	MALPRACTICE	N
			Vendor Total:	346.00							
K0918 KENNETH A. LEWIS											
	14-02296	12/22/14	REIMB. FOR HARBOR FREIGHT								
	1	REIMB. FOR HARBOR FREIGHT		90.85	4-01-26-305-001-038	B General Hardware Tools & Parts	R	12/22/14	12/30/14		N
	2	REIMB. FOR WALMART PURCHASE		27.72	4-01-26-310-001-199	B Miscellaneous	R	12/22/14	12/30/14		N
				118.57							
			Vendor Total:	118.57							
N0125 MAILFINANCE											
	14-02202	12/05/14	N5030939 12/28-1/27								
	1	N5030939	12/28-1/27	171.07	4-01-30-421-001-029	B Meter Rental/Maintance	R	12/05/14	12/30/14	N5030939	N
			Vendor Total:	171.07							
M0058 MAIN POOL & CHEMICAL COMPANY											
	14-00563	03/25/14	BLANKET FLUOROSILICIC ACID		B						
	6	INV 1444939	FLUOROSILICIC ACID	808.80	4-09-55-501-001-528	B Fluorosilic Acid	R	03/25/14	12/30/14	1444939	N
			Vendor Total:	808.80							

Vendor # Name	PO #	PO Date	Description	Contract Amount	PO Type Charge Account	Acct Type Description	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
M0270 MERCER COUNTY PROSECUTOR												
	14-02261	12/17/14	RANGE - QUALIFYING									
	1		RANGE - QUALIFYING	800.00	4-01-25-240-001-117	B Ammunition & Target Practice	R	12/17/14	12/30/14			N
			Vendor Total:	800.00								
M0181 MERCER SPRING												
	14-02301	12/22/14	SPRING REPAIR - F-700									
	1		SPRING REPAIR - F-700	1,540.00	4-01-26-305-001-034	B Motor Vehicle Parts & Access.	R	12/22/14	12/30/14		26743	N
			Vendor Total:	1,540.00								
MONRO005 MONROE TWP FIRE DISTRICT #2												
	14-02315	12/23/14	122014-17 PHOS-CHECK CLASS A									
	1		122014-17 PHOS-CHECK CLASS A	1,005.50	4-01-25-252-002-127	B Foam	R	12/23/14	12/30/14		122014-17	N
			Vendor Total:	1,005.50								
NCARN005 N. CARNEVALE & SONS, INC												
	14-01817	09/26/14	DOOR INSTALLATION-AWWTP									
	1		DOOR INSTALLATION-AWWTP	13,980.00	C-08-55-949-001-544	B RES 2014-12 MISC WATER/SEWER IMPROVEMENT	R	09/26/14	12/30/14		3797	N
			Vendor Total:	13,980.00								
N0425 NJ DEPT. OF HEALTH & SR SERV.												
	14-02193	12/05/14	NOV 2014 DOG PILOT PROGRAM									
	1		NOV 2014 DOG PILOT PROGRAM	8.40	T-13-05-265-000-001	B DUE STATE OF NEW JERSEY	R	12/05/14	12/30/14		NOV 2014	N
			Vendor Total:	8.40								
N0275 NJ LEAGUE OF MUNICIPALITIES												
	14-02103	11/13/14	NEWLY ELECTED TRAINING									
	1		REGISTRATION FOR ORIENTATION	230.00	4-01-20-110-001-042	B Education & Training	R	11/13/14	12/30/14			N
	14-02128	11/20/14										
	1		REGISTRATION FOR MAYOR	25.00	4-01-20-110-001-195	B Mayor's Expense	R	11/20/14	12/30/14			N

Vendor # Name	PO #	PO Date	Description	Contract	PO Type	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
N0275 NJ LEAGUE OF MUNICIPALITIES Continued											
	14-02168	11/25/14	AD FOR PROFESSIONALS								
	1		AD FOR PROFESSIONAL SERVICES	110.00	4-01-20-120-001-021	R	11/25/14	12/30/14			N
			Vendor Total:	365.00							
P0020 P.F. PETTIBONE CO.											
	14-02122	11/20/14	MINUTE BOOKS & FILLER PAPER								
	1		2015 RED MINUTE BOOK	99.00	4-01-20-125-001-036	R	11/20/14	12/30/14		31901	N
	2		2015 BLACK MINUTE BOOK	99.00	4-01-21-180-001-199	R	11/20/14	12/30/14		31901	N
	3		GOLD LETTERING ON MINUTE BOOKS	16.00	4-01-20-125-001-036	R	11/20/14	12/30/14		31901	N
	4		GOLD LETTERING MINUTE BOOK	16.00	4-01-21-180-001-199	R	11/20/14	12/30/14		31901	N
	5		FILLER PAPER	84.00	4-01-21-180-001-199	R	11/20/14	12/30/14		31901	N
	6		FILLER PAPER	84.00	4-01-20-125-001-036	R	11/20/14	12/30/14		31901	N
	7		Shipping & Handling	11.95	4-01-20-125-001-036	R	11/20/14	12/30/14		31901	N
				409.95							
			Vendor Total:	409.95							
P0005 PARIS AUTOMOTIVE SUPPLY											
	14-02195	12/05/14	NOVEMBER 2014 INVOICES								
	1		NOVEMBER INV #047192	63.78	4-01-26-290-001-034	R	12/05/14	12/30/14		047192	N
	2		NOVEMBER INVOICE #043591	15.39	4-01-26-290-001-034	R	12/05/14	12/30/14		043591	N
	3		NOVEMBER INVOICE #046127	10.98	4-09-55-501-001-502	R	12/05/14	12/30/14		046127	N
	4		NOVEMBER INVOICE #046146	24.98	4-01-26-305-001-034	R	12/05/14	12/30/14		046146	N
	5		NOVEMBER INVOICE #046655	37.38	4-01-26-290-001-034	R	12/05/14	12/30/14		046655	N
	6		NOVEMBER INVOICE #047186	39.54	4-01-26-290-001-034	R	12/05/14	12/30/14		047186	N
				192.05							
			Vendor Total:	192.05							
P0088 PARKER MCCAY, P.A.											
	14-02278	12/17/14	LABOR ATTY 2531921								
	1		LABOR ATTY 2531921 11/10/14	3,127.36	4-01-20-155-001-031	R	12/17/14	12/30/14		2531921	N
	14-02332	12/29/14	2533261,2533263, 2533265,259								
	1		2533261,2533263, 2533265,259	3,258.71	4-01-20-155-001-031	R	12/29/14	12/30/14		533261,63,65,59	N

Vendor # Name	PO #	PO Date	Description	Amount	Contract Charge Account	PO Type Acct Type Description	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date Invoice	1099 Excl
P0088 PARKER MCCAY, P.A. Continued											
	14-02336	12/30/14	2533255,2533258,2533257								
	1	2533255		1,358.00	4-01-20-155-001-031	B Labor,Personnel & Union Council	R	12/30/14	12/31/14	2533255	N
	2	2533258		63.50	4-01-20-155-001-031	B Labor,Personnel & Union Council	R	12/30/14	12/31/14	2533258	N
	3	2533257		28.00	4-01-20-155-001-031	B Labor,Personnel & Union Council	R	12/30/14	12/31/14	2533257	N
				<u>1,449.50</u>							
			Vendor Total:	7,835.57							
P0086 PRESTIGE CONSULTING, LTD.											
	14-00178	02/07/14	RAPID DIVER								
	1	RAPID DIVER		1,250.00	3-01-25-252-002-056	B Fire & Other Safety Equipment	R	02/07/14	12/31/14	8125	N
			Vendor Total:	1,250.00							
P0556 PROGRESSIVE MICROTECHNOLOGY											
	14-02160	11/25/14	ANNUAL SERVICE SUPPORT								
	1	ANNUAL SERVICE SUPPORT		495.00	4-01-25-240-001-029	B Maint. Contracts - Other	R	11/25/14	12/30/14	141105	N
			Vendor Total:	495.00							
P0044 PSE&G											
	14-02284	12/19/14	HFD 6675946706 11/11-12/11/14								
	1	HFD 6675946706 11/11-12/11/14		84.12	4-01-31-446-001-143	B Gas/Heat - Fire House	R	12/19/14	12/30/14	6675946706	N
	14-02285	12/19/14	BH 6687890808 11/11-12/11/14								
	1	BH 6687890808 11/11-12/11/14		50.88	4-01-31-446-001-070	B Gas Heat - Borough Hall	R	12/19/14	12/30/14	6687890808	N
	14-02286	12/19/14	6503987609 11/11-12/11/14								
	1	6503987609 11/11-12/11/14		13.20	4-09-55-501-001-505	B Gas Service	R	12/19/14	12/30/14	6503987609	N
	14-02326	12/29/14	AWWTP 6679486904 12/2014								
	1	AWWTP 6679486904 12/2014		392.15	4-09-55-501-002-505	B Gas Service	R	12/29/14	12/30/14	6679486904	N
	14-02327	12/29/14	6539567103 11/11-12/11 HFD								
	1	6539567103 11/11-12/11 HFD		890.00	4-01-31-446-001-143	B Gas/Heat - Fire House	R	12/29/14	12/30/14	6539567103	N

Vendor # Name	PO #	PO Date	Description	Amount	Contract Charge	PO Type Account	Acct Type Description	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
P0044 PSE&G Continued													
	14-02328	12/29/14	DPW 6606292905 11/10-12/11										
	1	DPW 6606292905	11/10-12/11	344.38	4-09-55-501-001-505		B Gas Service	R	12/29/14	12/30/14		6606292905	N
	14-02329	12/29/14	DPW 6579810904 11/11-12/11										
	1	DPW 6579810904	11/11-12/11	462.83	4-01-31-446-001-070		B Gas Heat - Borough Hall	R	12/29/14	12/30/14		6579810904	N
	Vendor Total:			2,237.56									
P0348 PUMPING SERVICES, INC.													
	14-01632	09/03/14	DIGESTER CLEANING										
	1	1 WK RENTAL HYDRAULIC PWR PACK		504.00	4-09-55-501-002-503		B Sewer Plant Maintenance	R	09/03/14	12/30/14		1079882	N
	2	HYDRAULIC SUBMERSIBLE 4" PUMP		210.00	4-09-55-501-002-503		B Sewer Plant Maintenance	R	09/03/14	12/30/14		1079882	N
	3	DELIVERY		200.00	4-09-55-501-002-503		B Sewer Plant Maintenance	R	09/03/14	12/30/14		1079882	N
	4	PICKUP		200.00	4-09-55-501-002-503		B Sewer Plant Maintenance	R	09/03/14	12/30/14		1079882	N
				<u>1,114.00</u>									
	Vendor Total:			1,114.00									
Q0176 QC, INC.													
	14-02263	12/17/14	INV. 1665938 - WATER ANALYSIS										
	1	INV. 1665938 - WATER ANALYSIS		107.00	4-09-55-501-001-532		B Outside Testing/Labs	R	12/17/14	12/30/14		1665938	N
	2	INV. 1666181 - WATER ANALYSIS		144.50	4-09-55-501-001-532		B Outside Testing/Labs	R	12/17/14	12/30/14		1666181	N
				<u>251.50</u>									
	Vendor Total:			251.50									
H0140 R. DOUGLAS HOFFMAN													
	14-02290	12/19/14	12/10 & 12/14 COURT SESSION										
	1	12/10 COURT SESSION		250.00	4-01-20-176-000-047		B Acting Judge	R	12/19/14	12/30/14		12/10/14	N
	2	12/17 COURT SESSION		250.00	4-01-20-176-000-047		B Acting Judge	R	12/19/14	12/30/14		12/17/14	N
				<u>500.00</u>									
	Vendor Total:			500.00									
R0029 RIEPHOFF SAW-MILL													
	14-02237	12/12/14	FOR TRAILER DECK										
	1	2X8-12' 7" ALL BODY OAK & FULL		470.00	4-01-26-290-001-034		B Motor Vehicle Parts & Access.	R	12/12/14	12/30/14		85330	N

Vendor # Name	PO #	PO Date	Description	Contract	PO Type	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
R0029 RIEPHOFF SAW-MILL											
	14-02237	12/12/14	FOR TRAILER DECK	Continued							
	2	2X10-12' 7"	ALL BODY OAK & FUL	58.50	4-01-26-290-001-034	R	12/12/14	12/30/14		85330	N
	3	2X8-3' 8"	ALL BODY OAK & FULL	135.00	4-01-26-290-001-034	R	12/12/14	12/30/14		85330	N
	4	2X10-3'3'8"	ALL BODY OAK &FULL	16.75	4-01-26-290-001-034	R	12/12/14	12/30/14		85330	N
				680.25							
	Vendor Total:			680.25							
R0077 ROBERTS ENGINEERING GRP LLC											
	14-00316	02/26/14	2014 ENGINEERING CONTRACT		B						
	55	INV 13739	COUNCIL MEETINGS	360.00	4-01-20-165-001-104	R	11/06/14	12/30/14		13739	N
	56	INV 13740	SAFE ROUTES/SCHOOL	47.50	4-01-20-165-001-028	R	11/06/14	12/30/14		13740	N
				407.50							
	14-00317	02/26/14	2014 WATER/SEWER BLANKET		B						
	61	INV 13742	GENERAL WATER	395.00	4-09-55-501-001-508	R	11/06/14	12/30/14		13742	N
	62	INV 13741	GENERAL SEWER	467.50	4-09-55-501-002-508	R	12/10/14	12/30/14		13741	N
	63	INV 13743	CHEM/SLUDGE CONTRCTS	300.00	4-09-55-501-002-508	R	12/10/14	12/30/14		13743	N
				1,162.50							
	14-02288	12/19/14	INV 13744 2014 ROAD PROGRAM								
	1	INV 13744	2014 ROAD PROGRAM	5,773.75	C-04-55-873-001-446	R	12/19/14	12/30/14		13744	N
	14-02289	12/19/14	13582,13695,13732,13734 LITIGA								
	1	13582	LITIGATION	690.00	4-01-20-155-001-033	R	12/19/14	12/30/14		13582	N
	2	13695	LITIGATION	544.50	4-01-20-155-001-033	R	12/19/14	12/30/14		13695	N
	3	13732	LITIGATION	325.00	4-01-20-155-001-033	R	12/19/14	12/30/14		13732	N
	4	13734	LITIGATION	640.50	4-01-20-155-001-033	R	12/19/14	12/30/14		13734	N
				2,200.00							
	14-02317	12/23/14	#13696, Oct. 31, 2014								
	1	#13696,	Oct. 31, 2014	346.50	YASH1306	R	12/23/14	12/30/14		#13696	N
	14-02318	12/23/14	#13735, Peddie School Dorm A								
	1	#13735	Peddie School Dorm A	2,710.50	PEDDE02-14	R	12/23/14	12/30/14		#13735	N

Vendor # Name	PO #	PO Date	Description	Contract Amount	PO Type Charge Account	Acct Type Description	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
S0037 SONIA MARCOS												
	14-02250	12/15/14	12/10/14 COURT SESSION									
	1	12/10/14	COURT SESSION	70.00	4-01-20-176-000-114	B Court Assistance	R	12/15/14	12/30/14		12/10/14	N
	Vendor Total:			70.00								
S0267 STAVOLA ASPHALT COMPANY												
	14-02262	12/17/14	I-5 STABILIZED BASE									
	1	INV 7102 - I-5	STABILIZED BASE	67.76	4-01-26-290-001-127	B Street Repair & Maintenance	R	12/17/14	12/30/14		7102	N
	Vendor Total:			67.76								
T0002 TAMARA L. LEE, PP, AICP, LLA,												
	14-02316	12/23/14	#06-341-25, 12/1/14									
	1	#06-341-25, 12/1/14		1,811.25	PEDDE02-14	P NEW DORMS	R	12/23/14	12/30/14		06-341-25	N
	Vendor Total:			1,811.25								
T0030 THE TIMES												
	14-02295	12/22/14	LEGAL ADS 11/01/14-11/11/14									
	1	ENVIORNMENT COMMISSION		9.28	4-01-20-120-001-021	B Advertisements	R	12/22/14	12/30/14		1069277	N
	2	BOROUGH COUNCIL 11/10 MEETING		9.28	4-01-20-120-001-021	B Advertisements	R	12/22/14	12/30/14		1089910	N
	3	ORD 2014-19 INTRO 11/7/14		23.20	4-01-20-120-001-021	B Advertisements	R	12/22/14	12/30/14		1069277	N
	4	ORD 2014-18 ADOPT 11/7/14		11.60	4-01-20-120-001-021	B Advertisements	R	12/22/14	12/30/14		1069277	N
	5	PLANNING BOARD 11/11		3.48	4-01-21-180-001-021	B Advertisements	R	12/22/14	12/30/14		1089910	N
				56.84								
	14-02302	12/22/14	LEGAL ADS 11/14-12/2/14									
	1	11/14 COUNCIL MEETING CHANGE		8.12	4-01-20-120-001-021	B Advertisements	R	12/22/14	12/30/14		1089910	N
	2	ORD 2014-19 ADOPT 11/22/14		11.31	4-01-20-120-001-021	B Advertisements	R	12/22/14	12/30/14		1089910	N
	3	12/1 COUNCIL MEETING CHANGE		8.12	4-01-20-120-001-021	B Advertisements	R	12/22/14	12/30/14		1089910	N
	4	SOLID WASTE ADDENDUM 12/02/14		20.30	4-01-20-120-001-021	B Advertisements	R	12/22/14	12/30/14		1089910	N
				47.85								
	Vendor Total:			104.69								

Vendor # Name	PO #	PO Date	Description	Amount	Contract Charge Account	PO Type Acct Type Description	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date Invoice	1099 Excl
U0007 UNIVAR USA Continued											
	14-00192	02/10/14	2014 WTP CALC HYDROXIDE LIME			B					
	10 INV 779748		CAL HYDROXIDE LIME	935.40	4-09-55-501-001-527	B Calcium Hydroxide - Lime	R	07/16/14	12/30/14	HB779748	N
	Vendor Total:			2,182.60							
U0013 USA BLUE BOOK											
	14-02154	11/25/14	COATS, RESPIRATORS, GASKET KIT								
	1	20380	LARGE SIZE COAT	61.95	4-09-55-501-002-507	B Uniforms & Safety Equipment	R	11/25/14	12/30/14		N
	2	20379	COAT	61.95	4-09-55-501-002-507	B Uniforms & Safety Equipment	R	11/25/14	12/30/14		N
	3	41886	ESCAPE RESPIRATOR	115.80	4-09-55-501-002-507	B Uniforms & Safety Equipment	R	11/25/14	12/30/14		N
	4	45332	SO2 GASKET KIT	275.00	4-09-55-501-002-507	B Uniforms & Safety Equipment	R	11/25/14	12/30/14		N
	5	45282	C12 GASKET KIT	230.00	4-09-55-501-002-507	B Uniforms & Safety Equipment	R	11/25/14	12/30/14	512820	N
	6	freight		45.01	4-09-55-501-002-507	B Uniforms & Safety Equipment	R	12/30/14	12/30/14	508331,508858	N
				<u>789.71</u>							
	14-02164	11/25/14	INVOICE #491194								
	1	INVOICE #491194		118.59	4-09-55-501-002-507	B Uniforms & Safety Equipment	R	11/25/14	12/30/14	491194	N
	Vendor Total:			908.30							
V0019 VERIZON											
	14-02274	12/17/14	AWWTP 609448418403883Y 12/01								
	1	AWWTP 609448418403883Y 12/01		34.48	4-09-55-501-003-545	B Telephone-w/S-VERIZON	R	12/17/14	12/30/14	609448418403883	N
	14-02311	12/23/14	AWWTP 2012029320 12/16/14								
	1	AWWTP 2012029320 12/16/14		64.98	4-09-55-501-003-550	B Telephone-water Dept-NEXTEL	R	12/23/14	12/30/14	201202932023918	N
	14-02330	12/29/14	AWWTP 609490026752756Y 12/20								
	1	AWWTP 609490026752756Y 12/20		34.03	4-09-55-501-003-545	B Telephone-w/S-VERIZON	R	12/29/14	12/30/14	609490026752756	N
	Vendor Total:			133.49							
V0029 VERIZON - LONG DISTANCE											
	14-02251	12/15/14	HPD 000608491311 76Y(1234)								
	1	HPD 000608491311 76Y(1234)		68.37	4-01-31-440-001-089	B Telephone-VERIZON	R	12/15/14	12/30/14	00060849131176Y	N
	Vendor Total:			68.37							

Vendor # Name	PO #	PO Date	Description	Contract Amount	PO Type Charge Account	Acct Type Description	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
V0022 VERIZON WIRELESS												
	14-02283	12/18/14	442014572-00001 MDN11/11-12/10									
	1		442014572-00001 MDN11/11-12/10	200.26	4-01-43-507-001-029	B Maint. Contracts - Other	R	12/18/14	12/30/14		44201457200001	N
	Vendor Total:			200.26								
V0290 VITAL COMMUNICATIONS INC.												
	14-02178	12/04/14	INV 60010 DATED 12/1/14 VPN									
	1		INV 60010 DATED 12/1/14 VPN	204.00	4-01-20-150-001-029	B Maintenance Contracts	R	12/04/14	12/30/14		60010	N
	Vendor Total:			204.00								
WARDS005 WARD'S NURSERY, LLC.												
	14-02297	12/22/14	TREE RE-LOCATION/ASSOC. PARK									
	1		TREE RE-LOCATION/ASSOC. PARK	275.00	4-01-28-369-001-140	B Landscape Maintenance	R	12/22/14	12/30/14			N
	Vendor Total:			275.00								
W0070 WASTE MANAGEMENT LANDFILL												
	14-01980	10/23/14	INV 0098626-2382-5 10/01/14									
	1		INV 0098626-2382-5 10/01/14	1,269.85	4-09-55-501-002-540	B Grit/Screening Disposal-Waste Mgmt	R	10/23/14	12/30/14		0098626-2382-5	N
	14-02273	12/17/14	INV 98915-2382-2 12/01/14									
	1		INV 98915-2382-2 12/01/14	1,479.07	4-09-55-501-002-540	B Grit/Screening Disposal-Waste Mgmt	R	12/17/14	12/30/14		98915-2382-2	N
	Vendor Total:			2,748.92								
W0071 WASTE MGMT OF NEW JERSEY, INC.												
	14-02272	12/17/14	INV 2557828-0502-2 12/01/14									
	1		TICKET#688328 DATE 11/13/14	405.06	4-09-55-501-002-540	B Grit/Screening Disposal-Waste Mgmt	R	12/17/14	12/30/14		2557828-0502-2	N
	2		TICKET# 695600 DATE 11/24/14	405.06	4-09-55-501-002-540	B Grit/Screening Disposal-Waste Mgmt	R	12/17/14	12/30/14		2557828-0502-2	N
				810.12								
	Vendor Total:			810.12								

Vendor # Name	PO #	PO Date	Description	Contract Amount	PO Type Charge Account	Acct Type Description	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
W0096 WATER WORKS SUPPLY CO., INC.												
	14-02268	12/17/14	WATER REPAIR PARTS									
	1	INV.	IF80881 - WATER REPAIR	1,336.98	4-09-55-501-001-535	B Hydrants and Line Repair	R	12/17/14	12/30/14		IF80881	N
	Vendor Total:			1,336.98								
WIREL005 WIRELESS ELECTRONICS, INC.												
	14-02020	11/06/14	RADIO EQUIPMENT PER QUOTE									
	1	XPR	MOBILE RADIO XPR4550	690.00	4-01-25-252-002-056	B Fire & Other Safety Equipment	R	11/06/14	12/30/14		S5104570	N
	2	IGNITION	SWITCH CABLE	28.00	4-01-25-252-002-056	B Fire & Other Safety Equipment	R	11/06/14	12/30/14		S5104570	N
	3	PROGRAMMING	KIT	34.40	4-01-25-252-002-056	B Fire & Other Safety Equipment	R	11/06/14	12/30/14		S5104570	N
	4	ON SITE	INSTALLATION	273.60	4-01-25-252-002-056	B Fire & Other Safety Equipment	R	11/06/14	12/30/14		S5104570	N
	5	REMOTE	CONTROL HD/CHIB	456.00	4-01-25-252-002-056	B Fire & Other Safety Equipment	R	11/07/14	12/30/14		S5104570	N
	6	MICROPHONE	OPTION	57.60	4-01-25-252-002-056	B Fire & Other Safety Equipment	R	11/07/14	12/30/14		S5104570	N
	7	SPEAKER	OPTION	48.00	4-01-25-252-002-056	B Fire & Other Safety Equipment	R	11/07/14	12/30/14		S510470	N
	8	REMOTE	MOUNT CABLE 30 FT	20.00	4-01-25-252-002-056	B Fire & Other Safety Equipment	R	11/07/14	12/30/14		S5104570	N
	9	CONTROL	HEAD POWER CABLE	16.60	4-01-25-252-002-056	B Fire & Other Safety Equipment	R	11/07/14	12/30/14		S5104570	N
				1,624.20								
	14-02158	11/25/14	QUARTERLY MAINTENANCE									
	1	QUARTERLY	MAINTENANCE	2,235.00	4-01-25-250-001-029	B Maintenance Contracts-Other	R	11/25/14	12/30/14		M55161	N
	Vendor Total:			3,859.20								
Y0025 YOSTEMBSKI, ROBERT												
	14-02241	12/12/14	MONTHLY PROSECUTOR FEE NOV '14									
	1	MONTHLY	PROSECUTOR FEE NOV '14	1,200.00	4-01-25-275-001-111	B Municipal Prosecutor	R	12/12/14	12/30/14			N
	Vendor Total:			1,200.00								
<hr/>												
Total Purchase Orders:	121	Total P.O. Line Items:	225	Total List Amount:	134,292.90	Total Void Amount:	0.00					

Totals by Year-Fund								
Fund Description	Fund	Budget Rcvd	Budget Held	Budget Total	Revenue Total	G/L Total	Project Total	Total
CURRENT FUND	3-01	1,250.00	0.00	1,250.00	0.00	0.00	0.00	1,250.00
CURRENT FUND	4-01	78,047.39	0.00	78,047.39	0.00	0.00	0.00	78,047.39
	4-09	26,357.06	0.00	26,357.06	0.00	0.00	0.00	26,357.06
	4-21	0.00	0.00	0.00	0.00	0.00	8,648.75	8,648.75
	Year Total:	104,404.45	0.00	104,404.45	0.00	0.00	8,648.75	113,053.20
GENERAL CAPITAL	C-04	5,773.75	0.00	5,773.75	0.00	0.00	0.00	5,773.75
WATER/SEWER CAPITAL	C-08	13,992.00	0.00	13,992.00	0.00	0.00	0.00	13,992.00
	Year Total:	19,765.75	0.00	19,765.75	0.00	0.00	0.00	19,765.75
TRUST OTHER - FUND #12	T-12	215.55	0.00	215.55	0.00	0.00	0.00	215.55
ANIMAL CONTROL TRUST FUND #13	T-13	8.40	0.00	8.40	0.00	0.00	0.00	8.40
	Year Total:	223.95	0.00	223.95	0.00	0.00	0.00	223.95
Total of All Funds:		125,644.15	0.00	125,644.15	0.00	0.00	8,648.75	134,292.90

Project Description	Project No.	Rcvd Total	Held Total	Project Total
NEW DORMS	PEDDE02-14	8,302.25	0.00	8,302.25
YASH AUTO SERVICE, INC	YASH1306	346.50	0.00	346.50
Total of All Projects:		<u>8,648.75</u>	<u>0.00</u>	<u>8,648.75</u>



The Borough of Hightstown

Administration Office

156 Bank Street, Hightstown, New Jersey 08520

Phone – (609) 490-5100, ext 701

Fax – (609) 371-0267

FROM THE DESK OF
Henry M. Underhill
BOROUGH ADMINISTRATOR

TO: Mayor and Council
DATE: December 24, 2014
RE: Fire Truck, Ladder

Attached is information provided by the fire department. I am supplying a list of documents below so that you can understand what each one is.

- 1 Memo of introduction.
- 2 Test report from current ladder shows failure
- 3 List of repairs needed in addition to ladder
- 4 Fire Truck sales vendor establishing an estimate of re-sale value
- 5 E-mail about price estimate to refurbish
- 6 Estimate of a new 123 ft ladder
- 7 Refurbish estimate
- 8 NFPA document that gives guidelines for refurbishing
- 9 Detailed list of work items for the refurbishment
- 10 Details of demo ladder truck for sale
- 11 Price for demo with additions
- 12 Details if use vendor to finance.
- 13 List of options by size of ladder and new vs demo
- 14 Stats from FD showing mutual aid and automatic aid. Mutual is when the other party goes to fire and then asks for help. Automatic aid is when the second party responds as an initial unit 2014
- 15 Same report as 14 only for 2013
- 16 Same report for 2012

Members of Council,

Thank you for the opportunity to present this information packet on our Ladder 41 project. We feel most of your questions/concerns are addressed but should you have any others please contact Chief Jenkins or myself before the Jan. 5th meeting so we can try and have the answers ready for you.

I'm sure that I don't have to remind you of the \$15,000 emergency repairs that were recently completed. This allowed us to keep the truck in service, but without ladder certification. Many more items need attention. We have the local E-One service center putting together a partial estimate that may not be available at the time of this packet.

Mike Sheenan

Past Deputy, Chairman of the ladder truck committee

mjsmech@gmail.com

609 -213-3472

American Test Center
Aerial Device Test Report

Truck # **L-41**
Test Report # **FT14-311-2**
Test date **10/30/2014**

46
2

HIGHTSTOWN ENG. COMPANY 1
148 N. MAIN STREET
HIGHTSTOWN NJ 08520
LAWRENCE VANKIRK

Test Location:..HIGHTSTOWN, NJ Test Type **A** [A-Annual, 5-5 year, R-Retest]
Temperature:....55 deg Wind:...5 mph

----- FIRE TRUCK DATA -----

	Aerial Device	Chassis
Description	Aerial Ladder w/Waterway	
Manufacturer	EMERGENCY ONE	E-ONE
Model	STRATOSPEAR 135'	FIRE TRUCK
Serial #	A-496	1F9DBBA83K1037684
Manufacture date	12/01/1989	12/01/1988
Hours / Mileage	0	1435 / 21380

----- Tests Performed -----

Visual... Y	Hardness... Y	Spectroanalysis Hyd.Oil... N
Magnetic Particle Test... Y	Functional/Operational... N	Spectroanalysis Eng.Oil... N
Ultrasonic Inspect... Y	Load Tests... N	Waterway Tests... N

Remarks

Rework Recommended..... [Y]

IMMEDIATE REPAIR REQUIRED [Y]

Please note! To receive your inspection certificate, you will receive a NOTICE FOR INSPECTION CERTIFICATE in the mail along with your invoice. The notice will list all items on this report that may require further action. Please have your department's AHJ (Authority Having Jurisdiction) sign and date all of the noted items on this report and fax the signed report to 715-426-6941. If you have not received your notice, or if you have questions, please call 800-451-9087.

Test and Report Limitations

This report is provided to you with the understanding that American Test Center's responsibility is solely to conduct the test and assist you with an interpretation of the results; the decisions you make thereafter concerning the equipment are your exclusive responsibility, and American Test Center is not responsible for those decisions or their consequences.

WARNING!

These tests determine the state of the equipment at the time the tests were performed only! Any overloads, accidents, or abuse of this equipment after the test could result in the test performed no longer being valid, as structural damage may have occurred even though the equipment visually may appear intact and usable after said overloads, accidents, or abuse.

Reports given to **SCOTT JENKINS**

Customer Review Completed _____

JOSH PHELPS
STAN CARLSON

Customer Representative

American Test Center
Aerial Device Test Report

Truck # **L-41**
Test Report # **FT14-311-2**
Test date **10/30/2014**

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CLASS 1 DEFECTS: Serious, recommend Shut Down and out of Service

AHJ Sign & Date

F F- 2 Boom Lower; Lift Cylinders

**RIGHT SIDE LIFT CYLINDER WIPER SEAL IS LEAKING OIL - DRIPS
EVERY 15 TO 30 SECONDS**

F K- 6 Ladder Rails, Base; Extension Cables or Chains

**RIGHT SIDE EXTENSION ROPE SHEAVE AT TIP OF BASE SECTION HAS
BROKEN BEARING - SHEAVE HAS MOVED ABOUT 1/2" BACK**

F K- 6 Ladder Rails, Base; Extension Cables or Chains

**SHEAVE HAS GOUGED LADDER IN MOUNTING AREA - UNABLE TO
MEASURE MATERIAL LOSS**

CLASS 2 DEFECTS: Caution, use with caution

AHJ Sign & Date

F J-90 General; Other

RUNG ALIGNMENT LIGHT IS ALWAYS ILLUMINATED

FJJ- 1 Aerial Ladder; Load Test

AERIAL WAS NOT LOAD TESTED DUE TO DEFECTS FOUND

FLL-14 Measurements; Ladder Section Alignment-First

LADDER TWIST WAS NOT MEASURED DUE TO NO LOAD TEST PERFORMED

CLASS 3 DEFECTS: Repairs needed, recommend soon or next maintenance

AHJ Sign & Date

F A- 6 Outrigger; Cylinder Hoses/Fittings

**RIGHT REAR OUTRIGGER EXTEND CYLINDER VALVE IS WET WITH OIL -
DROPS FORMED - NOT DRIPPING**

F B- 7 Chassis; Drive Line & Joints

**WATER PUMP OUTPUT SEAL IS WET WITH OIL - DROPS FORMED - NOT
DRIPPING**

F C- 7 Pedestal; Swing Drive Gearbox and Motor

**ROTATION GEAR BOX IS WET WITH OIL FROM PLUG AT FRONT - DROP
FORMED - NOT DRIPPING**

F K- 3 Ladder Rails, Base; Dents and Gouges.

**MINOR WEAR ON BASE RAILS ON EACH SECTION FROM WEAR PADS -
NO SIGNIFICANT MATERIAL LOSS**

American Test Center
Aerial Device Test Report

Truck # **L-41**
Test Report # **FT14-311-2**
Test date **10/30/2014**

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CLASS 4: Item noted

AHJ Sign & Date

- F **A- 4** Outrigger; Attachment Welds
OUTRIGGERS ARE WELDED - MAGGED NO DEFECTS FOUND
- F **B- 2** Chassis; Aerial Sub-Frame & Mounting
SUB-FRAME IS WELDED - MAGGED NO DEFECTS FOUND
- F **C- 1** Pedestal; Mounting Bolts and Welds
PEDESTAL IS WELDED - MAGGED NO DEFECTS FOUND
- F **C- 6** Pedestal; Swing Drive Gearbox Mounting Bolts
ROTATION GEAR BOX MOUNTING 3/4" GRADE 8 BOLTS - CHECKED TORQUE AT 200FTLBS
- F **D- 1** Rotation; Upper Bearing Attachment Welds and Bolts
UPPER ROTATION BEARING 1" GRADE 8 BOLTS - CHECKED TORQUE AT 580FTLBS
- F **D- 2** Rotation; Lower Bearing Attachment Weld and Bolts
LOWER ROTATION BEARING 1" GRADE 8 BOLTS - CHECKED TORQUE AT 580FTLBS
- F **E- 1** Turntable; Structure
MAGGED CRITICAL COMPONENTS OF TURNTABLE - NO DEFECTS FOUND
- F **F- 7** Boom Lower; Upper/Extend Cylinder Attachment
EXTEND/RETRACT CYLINDER ATTACHMENT 1" GRADE 8 BOLTS - CHECKED TORQUE AT FRONT AT 580FTLBS AND REAR AT 100FTLBS
- F **K- 3** Ladder Rails, Base; Dents and Gouges.
NO CORROSION AT LADDER GLOVES
- F **K- 6** Ladder Rails, Base; Extension Cables or Chains
2ND SEC. EXTEND/RETRACT CABLES NOMINAL DIAMETER .562"(9/16") DIA. .558", LAY LENGTH 3.318", 10% OUTSIDE WIRE WEAR
- F **K- 6** Ladder Rails, Base; Extension Cables or Chains
3RD SEC. EXTEND/RETRACT CABLES NOMINAL DIAMETER .375"(3/8") DIA. .369", LAY LENGTH 2.539", 6% OUTSIDE WIRE WEAR
- F **L- 6** Ladder Rails, Second; Extension Cables or Chains
4TH SEC. EXTEND/RETRACT CABLES NOMINAL DIAMETER .250"(1/4") DIA. .244", LAY LENGTH 1.747", 4% OUTSIDE WIRE WEAR
- F **M- 6** Ladder Rails, Third; Extension Cables or Chains
FLY SEC. EXTEND/RETRACT CABLES NOMINAL DIAMETER .187"(3/16") DIA. .185", LAY LENGTH 1.188", 4% OUTSIDE WIRE WEAR

American Test Center
Aerial Device Test Report

Truck # **L-41**
Test Report # **FT14-311-2**
Test date **10/30/2014**

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CLASS 4: Item noted

AHJ Sign & Date

FCC-90 Pin Joints; Other

PIN RETAINERS ARE IN PLACE AND TIGHT

FDD- 1 Hardness Check; Base Section

HARDNESS MEASURED 80 AT ALL SECTIONS

FGG-90 Ultrasonic Test; Other

UT OF PIVOT PINS - NO DEFECTS FOUND

FJJ- 2 Aerial Ladder; Operational Test

DID NOT PERFORM OPERATIONAL TEST DUE TO DEFECTS FOUND

FLL- 1 Measurements; Drift Test-Elevation Cylinders

**ELEVATION DRIFT MEASURED 0" AT 5MIN, 1/16" AT 10MIN, AND
3/16" AT 60 MINUTES**

FLL- 2 Measurements; Drift Test-Extension Cylinders

EXTENSION DRIFT MEASURED 0" AT 60 MINUTES

FLL- 3 Measurements; Drift Test-Outrigger Cylinders

OUTRIGGER DRIFT MEASURED 0" AT 60 MINUTES

FLL- 4 Measurements; Rotation Bearing and Gear-Inner Race

BEARING TILT MEASURED .024"

FLL- 6 Measurements; Rotation Bearing and Gear-Gear

BACKLASH MEASURED .011"

FLL- 7 Measurements; Throttle RPM-Lo Setting

LOW IDLE - 650RPM

FLL- 8 Measurements; Throttle RPM-Hi Setting

HI IDLE - 1175RPM

FLL- 9 Measurements; Relief Setting, Hyd. System-Relief at Pump

HYDRAULIC PRESSURE RELIEF SET TO 2700PSI AT FULL EXTENSION

FLL-10 Measurements; Outrigger Deployment Time-Front, Left

BOTH FRONT OUTRIGGERS DEPLOYED IN 8 SECONDS

American Test Center
Aerial Device Test Report

Truck # **L-41**
Test Report # **FT14-311-2**
Test date **10/30/2014**

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CLASS 4: Item noted

AHJ Sign & Date

FLL-12 Measurements; Outrigger Deployment Time-Rear, Left

BOTH REAR OUTRIGGERS DEPLOYED IN 8 SECONDS

Partial list of needed repairs on Ladder 41

Repack Hale pump (can't keep a wet pump)

Rebuild ball and relief valves (can't keep a full water tank)

Check and replace as needed wear pads (ladder and jacking system)

Inspect lift cylinders for jacking system

Check and rebuild/replace ladder extension cable pullies

Transfer case for road to pump leaking

Main steering box leaking

Automatic transmission slipping/sluggish

Leaking ladder waterway

Inoperative AC in rear seating area/ missing insulation

Steering overhaul (king pins, tie rod ends, ect. As per Mercer Spring)

Cracked main aluminum extrusion and body, right rear below turntable.

Misc. electrical repairs.

We feel that these repairs will be costly enough and should be in addition to our working budget.

ATTN: JOSH

BRINDLEE MOUNTAIN

FIRE APPARATUS, LLC

15410 US Highway 231
Union Grove, AL 35175

Phone: (256) 498-1395
Fax: (256) 498-0924
www.FireTruckMall.com

Brokerage Offer

This is an agreement between the seller and Brindlee Mountain Fire Apparatus. If Brindlee Mountain is unable to provide the seller with a buyer for the apparatus, no payment will be owed to Brindlee Mountain. We are only paid if we provide a buyer for your apparatus. Brindlee will refer to Agent/Owner all qualified inquires we receive regarding the specified apparatus. If Agent/Owner sells the marketed apparatus or any other apparatus to the customer referred by Brindlee, or anyone acting on behalf of the referred customer, the Agent/Owner will pay the agreed commission to Brindlee within 10 days of the sale.

Agent/Owner agrees to notify Brindlee, at the time of sale, as to the sale price and the name and address of the buyer. Either party may terminate at any time by notifying the other party in writing. If any sale takes place subsequent to termination, to a party previously referred by Brindlee, the same commission will be paid as if the agreement were still in effect.

Please complete this form to the best of your knowledge.
The more information you can provide us, the better equipped we will be in marketing your truck!

Customer Information:

Fire Department/Owner: HIGHTSTOWN ENCO #1 Name of Contact: MIKESHEENAN
Phone Number: 609-213-3472 Fax: _____ Email: mjsmech@gmail.com
Where is the truck currently located (city, state): HIGHTSTOWN NJ 08520

Apparatus:

Year: 1989 VIN: 1F90RBA83K1037084 Shop Order #/ Build #: 6812

Chassis: Manufacturer: E-ONE - FEDERAL Model: 2684 4x4 (y/n): _____
Fire Body: Manufacturer: E-ONE Model: STRATOSPEAR
Aerial: Manufacturer: E-ONE Model: HURRICANE Length: 135
Aerial Hours: N/A Date of Last Aerial Certification: 2014

Mileage: 21467 Engine Hours: 1442 # Cab Seating: 3 # SCBA Seats: 3

Engine: Make: DETROIT Model: 8V92TA HP: _____ Diesel or Gas: DIESEL
Transmission: Make: ALLISON Model: HT 740 Automatic or Manual: AUTO

Pump: Make: HALE Model: QSMG GPM: 2000 Pump and Roll (y/n): N
Date of Last Pump Certification: 2012 Foam System (make and model): _____

Water Tank: Gallons: 200 Material: ALUM Foam Tank(s): _____



Michael Sheenan <mjsmech@gmail.com>

1989 E-One High and Low

2 messages

Josh Schreiber <jschreiber@firetruckmall.com>
To: "mjsmech@gmail.com" <mjsmech@gmail.com>

Fri, Dec 19, 2014 at 1:15 PM

Hello Again Mike,

I touched base with James on this, and we feel comfortable and confident in the \$30k - \$75k range. I'll let you know when the truck is posted. Please let me know if there is anything else I can do for you. Have a good one sir.

Michael Sheenan <mjsmech@gmail.com>
To: Josh Schreiber <jschreiber@firetruckmall.com>
Cc: "Chip S." <captainchip41@hotmail.com>

Fri, Dec 19, 2014 at 1:40 PM

I don't have the authority to say go ahead and post it. I needed this for a presentation to my borough council to convince them that if we don't replace this truck asap it won't be worth anything. We will be sending them an info pack on new, refirb, and resale prices for a meeting on Jan. 5th. Hopefully soon after that it can be posted as long as the demo we're trying to get is still available. Any suggestions you have would be greatly appreciated. Thanks for your quick response, and I hope we will be working together soon

[Quoted text hidden]



Michael Sheenan <mjsmech@gmail.com>

FW: Attached Image

3 messages

Michael SHEENAN <Michael.SHEENAN@firmenich.com>
 To: "mjsmech@gmail.com" <mjsmech@gmail.com>

Fri, Dec 19, 2014 at 7:38 AM

From: Canon
Sent: Friday, December 19, 2014 7:23 AM
To: Michael SHEENAN
Subject: Attached Image

DISCLAIMER

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 **0488_001.pdf**
 183K

Michael Sheenan <mjsmech@gmail.com>
 To: sales@firetruckmall.com
 Cc: "Chip S." <captainchip41@hotmail.com>

Fri, Dec 19, 2014 at 8:00 AM

Good morning Josh

I filled this out in a hurry last night just to get an idea of what this truck is worth so I can make a presentation to our borough council. Our local E-One salesman Chris DeBois sent some pictures to James about a month ago. You should also be getting some fresh ones today from my co-chairman and secretary Chip Sugg.

Would it be possible to get a high end /low end idea by the end of the day so we can prepare something for council over the weekend?

Thanks and we look forward to hearing from you and hopefully doing business.

Mike Sheenan
 609-213-3472
 mjsmech@gmail.com

[Quoted text hidden]

 **0488_001.pdf**
 183K



Michael Sheenan <mjsmech@gmail.com>

Ladder 41 Follow up

5 messages

Jonathon Van Norman <jvn@ff1.com>

Tue, Oct 14, 2014 at 1:55 PM

To: "captainchip41@hotmail.com" <captainchip41@hotmail.com>, "mjsmech@gmail.com" <mjsmech@gmail.com>

Gentleman,

Just wanted to advise you that I have some preliminary pricing on the refurb of your ladder. I am just waiting back on some clarifications of some questions that I had about it.

Do you guys happen to have a wish list of what you would want on a new one? I can kind of base it off of this refurb list but just want to make sure.

Thanks,

Jonathon
FF1

Michael Sheenan <mjsmech@gmail.com>

Wed, Oct 22, 2014 at 10:11 AM

To: Jonathon Van Norman <jvn@ff1.com>

Good morning

Been on vacation, just catching up. We have a committee meeting tonight so any info you can send me on short notice would be great. Ballpark figure on your 127 with a 2000gpm single stage with class A foam, ladder rung lighting, 10k hydraulic generator, 500+ HP should get us started. Thanks.

Mike Sheenan

[Quoted text hidden]

Jonathon Van Norman <jvn@ff1.com>

Thu, Oct 23, 2014 at 7:36 AM

To: Michael Sheenan <mjsmech@gmail.com>

Mike,

So sorry I was in ladder training all day yesterday and didn't see this come through. The refurb it looks like is going to be around 550- 600 and the New truck is coming in just a shade under a million.

Lets touch base over the phone in the next day or two. I am in Ladder training again today and head off to Louisiana tomorrow.

Best Regards,

Jonathon Van Norman
President
FF1 Professional Safety Services
201-787-4953 Cell
973-860-1388 Fax

Good morning

Been on vacation, just catching up. We have a committee meeting tonight so any info you can send me on short notice would be great. Ballpark figure on your 127 with a 2000gpm single stage with class A foam, ladder rung lighting, 10k hydraulic generator, 500+ HP should get us started. Thanks.

Mike Sheenan

On Tue, Oct 14, 2014 at 1:55 PM, Jonathon Van Norman <jvn@ff1.com> wrote:

Gentleman,

Just wanted to advise you that I have some preliminary pricing on the refurb of your ladder. I am just waiting back on some clarifications of some questions that I had about it.

Do you guys happen to have a wish list of what you would want on a new one? I can kind of base it off of this refurb list but just want to make sure.

Thanks,

Jonathon

FF1



57

Michael Sheenan <mjsmech@gmail.com>

Proposal - KME 123' Rearmount Aerial Ladder Quint

1 message

Skip Stinger <skipstinger@comcast.net>

Sat, Nov 8, 2014 at 11:37 AM

To: mjsmech@gmail.com

Cc: Chip <Captainchip41@hotmail.com>

Mike,

Please find attached a print and a proposal specification for a KME 123' Rearmount Aerial Ladder Quint as discussed at our last meeting. As I stated previously, I apologize for not being prepared to talk about our 123' Aerial Ladder, as you can imagine, we don't get into a lot of conversations about this unique product. You asked several questions for which you wanted clarification on our 123' Ladder:

Overall Height = 142" (11'-10")

Overall Length = 526" (43'-10")

Gross Vehicle Weight Rating = 83,000# (23,000# Front Axle, 60,000# Rear Axle)

Outriggers = Four (4) Out and Down H-Frame

Outrigger Spread = 18'

Water Tank = 300 Gallons + a 25 Gallon Integral Foam Tank (Foam Does Not Decrease Water Capacity)

Ladder Height = 123'

Ladder Reach = 114'

Tip Load = 500# Dry, 250# Flowing 1500 GPM.

Ladder Pipe Flow = 1500 GPM

Ladder can throw water from 123' or the Third Section.

The price of this unit for budgeting purposes, as specified herein, is \$ 1,050,000.00 delivered. I would appreciate the opportunity to meet with you to discuss our proposal.

Yours for a better and safer fire service,

Skip Stinger

First Priority Emergency Vehicles

Mobile Phone: (609) 516-4796

Home Office: (856) 845-6232

Fax: (856) 845-3189

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2 attachments

 **Print - Hightstown, NJ 123' RM Aerial Ladder Quint 11-5-2014.pdf**
453K



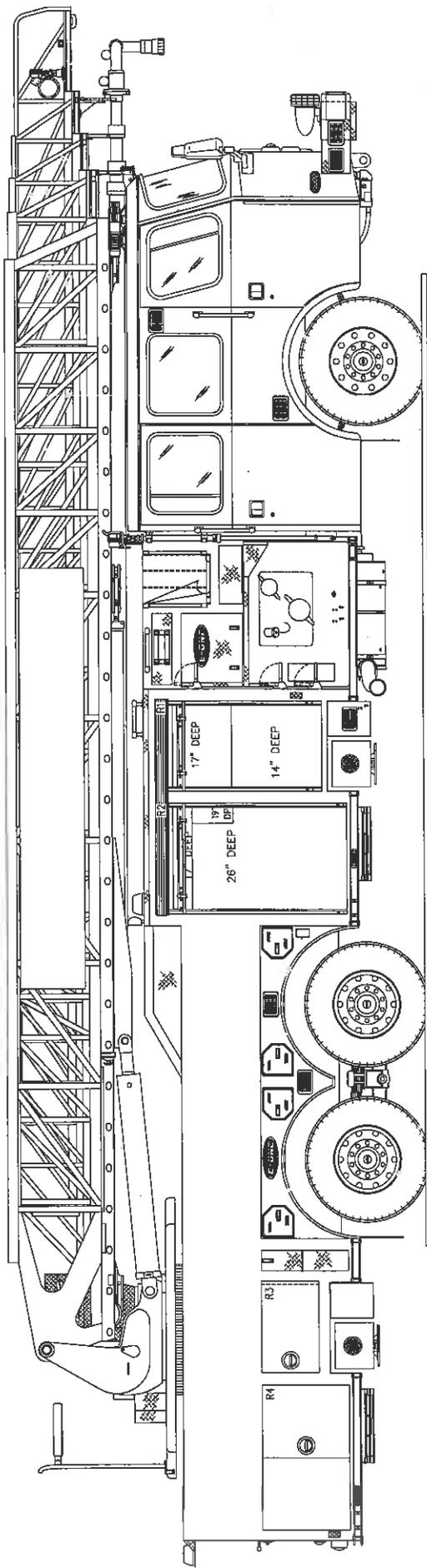
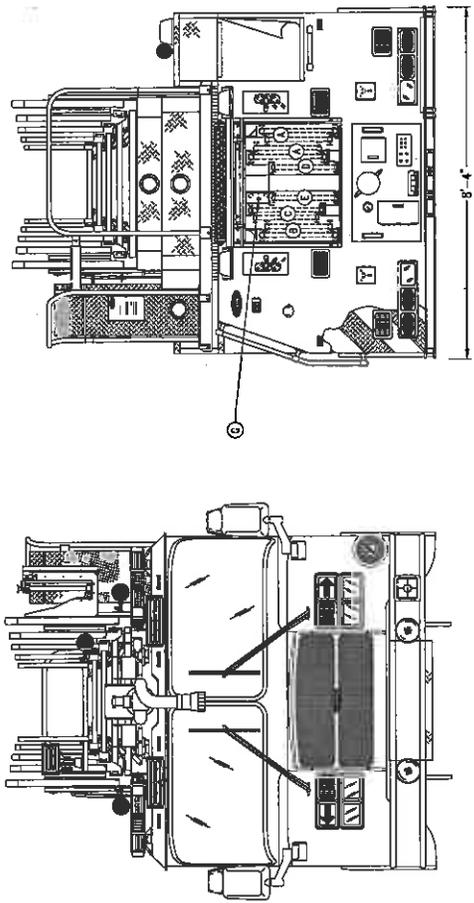
**BOROUGH OF HIGHTSTOWN
HIGHTSTOWN, NJ**

CONCEPT DRAWING
AERIAL BODY
CYCLONE II X CHASSIS
CR137 LADDER

2000 GPM HALF MAX PUMP 300 GALLON WATER TANK		HOSE LOAD:	
		STD	
COMPT.	OPENING	INTERIOR DIMENSION	
L1/R1	29W	31W 17H	17D UPPER
L2/R2	36W	31W 29H	14D LOWER
L3	50W	36W 53H	NOTED LOWER
L4	63W	50W	19H 26D
L5	29W	33H	4H 14D NOTED
L6	26W	44H	28W 4H 18D UPPER
R3	31W	19H	28W 40H 23D LOWER
R4	49W	30H	49W 19H 14D
GROUND LADDERS			
ITEM	LADDER LENGTH	MODEL NUMBER	QTY
A	35' 2-SECT.	PEL-35	2
B	28' 2-SECT.	PEL-28	1
C	24' 2-SECT.	PEL-24	1
D	20' ROOF	PRL-20	1
E	18' ROOF	PRL-18	1
F	14' ROOF	PRL-14	1
G	10' FOLDING	FL-10	1

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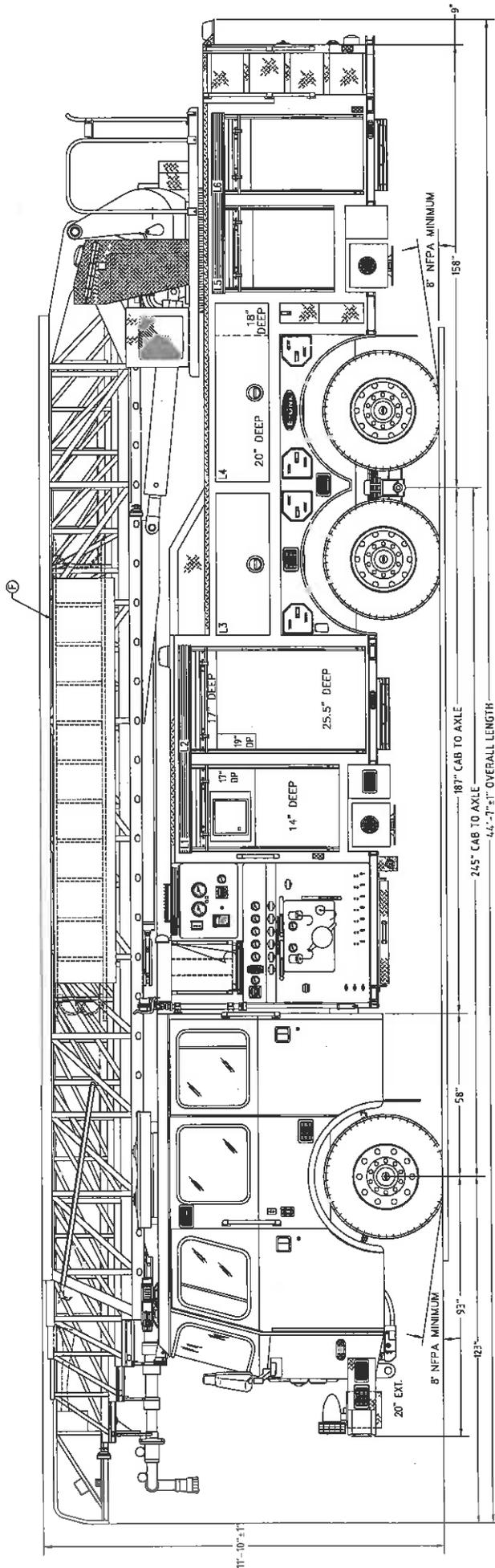
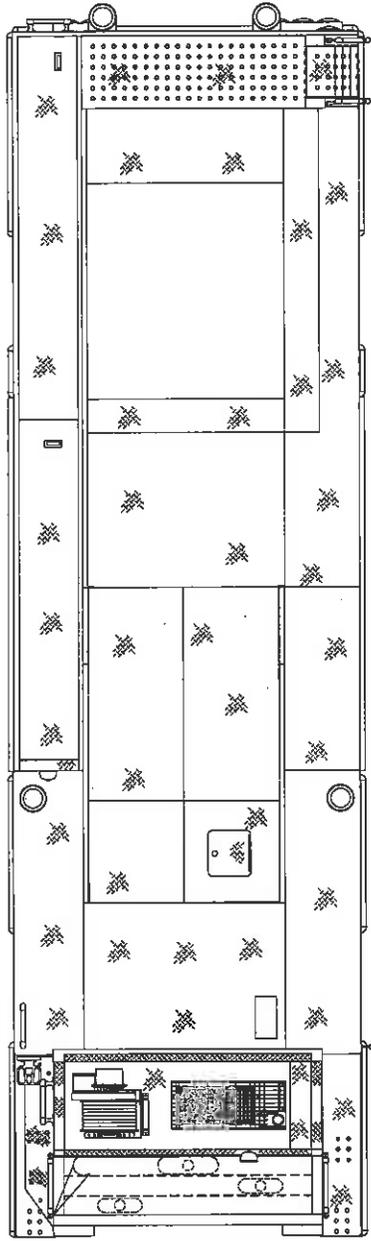


BOROUGH of HIGHTSTOWN HIGHTSTOWN, NJ

CONCEPT DRAWING
AERM AERIAL BODY
CYCLONE II X CHASSIS
GR137 LAUDER

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DATE	11/11/11
BY	...
CHECKED BY	...
APPROVED BY	...



203 E. PARK AVENUE, LIBERTYVILLE, ILLINOIS 60048

847-247-0771

847-247-0772

www.taxexemptleasing.com

October 10, 2014

Borough of Hightstown
Hightstown, New Jersey

I am pleased to provide the following quote for Borough of Hightstown for the financing of the refurbishment of the Borough's current aerial fire apparatus. This quote is valid for 14 days and is subject to credit review and proper documentation.

Equipment Cost (Approximate):	\$500,000.00	
Down Payment:	\$50,000.00	
Financed Amount:	\$450,000.00	
Payment Frequency:	Annual, in arrears (first payment due one-year from lease signing)	
Term:	5-years	7-years
Rate*:	3.39%	3.69%
Payment*:	\$99,356.33	\$74,117.73
Factor^:	.22079	.16471

* Rate and payment assumes that the Customer is a tax-exempt entity and the purchase of the equipment falls within the type of equipment allowed as tax-exempt under the I.R.S. Code. In the event this purchase is not exempt, the rate and payments will be adjusted accordingly. Further, it is assumed that the transaction will be "bank-qualified" and that the customer will not issue more than \$10 million in tax-exempt leases or bonds in the current calendar year.

^ Factor is based on quoted rates. If the equipment cost changes or a down payment is made, the new payment amount can be calculated by multiplying the new financed amount by the rate factor.

Note: If the equipment will require a "build-out period", the financed amount will be placed into an escrow account at lease signing and funds disbursed as instructed by the customer.

I have attached an application that must be completed in order to proceed with the credit process. In addition, we will need copies of the Borough's last 2-years of audited financial statements, along with a copy of its current interim financial statement. Once these items are gathered, please fax all of the information to 866-2-FAX-APP (866-232-9277) or e-mail to markz@taxexemptleasing.com.

I appreciate this opportunity and look forward to proceeding. Please let me know if I can answer any questions. I can be reached at 866-EXEMPT-1 (866-393-6781).

Kind Regards,

Mark M. Zaslavsky
President

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NFPA 1912
Standard for
Fire Apparatus Refurbishing
2006 Edition

This edition of NFPA 1912, *Standard for Fire Apparatus Refurbishing*, was prepared by the Technical Committee on Fire Department Apparatus. It was issued by the Standards Council on January 27, 2006, with an effective date of February 16, 2006, and supersedes all previous editions.

This edition of NFPA 1912 was approved as an American National Standard on February 16, 2006.

Origin and Development of NFPA 1912

The first edition of NFPA 1912, *Standard for Fire Apparatus Refurbishing*, was developed when a need was identified for a document to help both fire service administrators and refurbishing contractors in all phases of the refurbishing process. The first edition specified the requirements for two levels of refurbishing. Level I results in the assembly of a new fire apparatus by the use of a new chassis frame, driving and crew compartments, front axle, steering and suspension components, and for the remainder of the apparatus, the use of either new components or components from an existing apparatus. Level II results in the upgrade of major components or systems of a fire apparatus with components or systems that comply with or exceed the applicable standards in effect at the time the original apparatus was manufactured.

This second edition has been reorganized to conform with the *Manual of Style for NFPA Technical Committee Documents*. It has been updated to reflect changes that have been incorporated in NFPA 1901, *Standard for Automotive Fire Apparatus*. It has also been revised to recognize that refurbishing of wildland fire apparatus must be based on NFPA 1906, *Standard for Wildland Fire Apparatus*, not NFPA 1901, *Standard for Automotive Fire Apparatus*.

The extensive appendix material in the first edition that was designed to assist users with the preparation of specifications for refurbishing a fire apparatus has been further enhanced with the addition of the annex materials from NFPA 1901, *Standard for Automotive Fire Apparatus*, that provide the weights and dimensions of common equipment carried on fire apparatus, and the annex material on guidelines for first-line and reserve fire apparatus.

3.3.28 Low-Voltage Circuit, Equipment, or System. An electrical circuit, equipment, or system where the voltage does not exceed 30 volts (V) rms (ac) or 42.4 V peak (dc).

3.3.29 Manufacturer. The person or persons, company, firm, corporation, partnership, or other organization responsible for turning raw materials or components into a finished product. [1901, 2003]

3.3.30 Mobile Foam Fire Apparatus. Fire apparatus with a permanently mounted fire pump, foam proportioning system, and foam concentrate tank(s) whose primary purpose is for use in the control and extinguishment of flammable and combustible liquid fires in storage tanks and other flammable liquid spills. [1901, 2003]

3.3.31 Mobile Water Supply Apparatus (Tanker, Tender). A vehicle designed primarily for transporting (pickup, transporting, and delivering) water to fire emergency scenes to be applied by other vehicles or pumping equipment. [1901, 2003]

3.3.32* Net Pump Pressure. The sum of the discharge pressure and the suction lift converted to psi or kPa when pumping at draft, or the difference between the discharge pressure and the intake pressure when pumping from a hydrant or other source of water under positive pressure. [1901, 2003]

3.3.33 Operator. A person qualified to operate a fire apparatus.

3.3.34 Pump Operator's Panel. The area on a fire apparatus that contains the gauges, controls, and other instruments used for operating the pump. [1901, 2003]

3.3.35 Pump Operator's Position. The location from which the pump operator operates the pump. [1901, 2003]

3.3.36 Pumper. Fire apparatus with a permanently mounted fire pump of at least 750 gpm (3000 L/min) capacity, water tank, and hose body whose primary purpose is to combat structural and associated fires. [1901, 2003]

3.3.37* Purchaser. The authority having responsibility for the specification and acceptance of the apparatus. [1901, 2003]

3.3.38 Purchasing Authority. The agency that has the sole responsibility and authority for negotiating, placing, and, where necessary, modifying each and every solicitation, purchase order, or other award issued by a governing body. [1901, 2003]

3.3.39* Quint. Fire apparatus with a permanently mounted fire pump, a water tank, a hose storage area, an aerial ladder or elevating platform with a permanently mounted waterway, and a complement of ground ladders. [1901, 2003]

3.3.40 Rated Capacity (Aerial Device). The total amount of weight of all personnel and equipment that can be supported at the outermost rung of an aerial ladder or on the platform of an elevating platform with the waterway uncharged. [1901, 2003]

3.3.41 Rated Capacity (Water Pump). The flow rate to which the pump manufacturer certifies compliance of the pump when it is new. [1901, 2003]

3.3.42 Refurbishing.

3.3.42.1* Level I Refurbishing. The assembly of a new fire apparatus by the use of a new chassis frame, driving and crew compartment, front axle, steering and suspension components, and the use of either new components or components from an existing apparatus for the remainder of the apparatus.

3.3.42.2* Level II Refurbishing. The upgrade of major components or systems of a fire apparatus with components or systems that comply with the applicable standards in effect at the time the original apparatus was manufactured.

3.3.43 Repair. To restore to sound condition after failure or damage.

3.3.44 Replacement. The removal of an existing component or system and the installation of a similar component or system generally of the same model or the same capability (i.e., "like for like" replacement).

3.3.45* Special Services Fire Apparatus. A multipurpose vehicle that primarily provides support services at emergency scenes. [1901, 2003]

3.3.46 Suspension System. The components utilized to attach the axle(s) to the frame assembly.

3.3.47 Tanker. See 3.3.31, Mobile Water Supply Apparatus.

3.3.48 Tender. See 3.3.31, Mobile Water Supply Apparatus.

3.3.49 Turntable. A structural component that connects the aerial device to the chassis and stabilization system through a rotating bearing that permits 360-degree continuous rotation of the aerial device. [1901, 2003]

3.3.50 Unequipped Fire Apparatus. The completed fire apparatus excluding personnel, agent(s), and any equipment removable without the use of tools. [1901, 2003]

3.3.51* Upgrade. The substitution or addition of components or systems with new components or systems with improved performance or capability.

3.3.52 Water Tower. An aerial device consisting of permanently mounted power-operated booms that articulate, telescope, or both, and a waterway designed to supply a large-capacity, mobile, elevated water stream.

3.3.53 Wildland Fire Apparatus. Fire apparatus designed for fighting wildland fires that is equipped with a pump having a capacity normally between 10 gpm and 500 gpm (38 L/min and 1900 L/min), a water tank, limited hose and equipment, and that has pump-and-roll capability. [1906, 2006]

Chapter 4 General Requirements

4.1* General.

4.1.1 Fire apparatus receiving Level I refurbishing shall meet the requirements of applicable chapters of the current edition of NFPA 1901, *Standard for Automotive Fire Apparatus*, if the apparatus is not a wildland fire apparatus, or NFPA 1906, *Standard for Wildland Fire Apparatus*, if the apparatus is a wildland fire apparatus, except as noted in Chapter 5.

4.1.2 Fire apparatus receiving Level II refurbishing shall meet the requirements of applicable chapters of the edition of the NFPA automotive fire apparatus standard that was in effect at the time of its original manufacture, except as noted in Chapter 6.

4.2* Responsibility of Purchaser. It shall be the responsibility of the purchaser to specify the details of the fire apparatus refurbishing; its required performance, including where operations at elevations above 2000 ft (600 m) or on grades greater than 6 percent are required; the maximum number of

fire fighters to ride within the apparatus; specific added continuous electrical loads that exceed the minimum of this standard; and any hose, ground ladders, or equipment to be carried by the apparatus that exceed the minimum requirements of this standard.

4.3 Responsibility of the Contractor.

4.3.1* The contractor shall provide a detailed description of the refurbished fire apparatus, a list of equipment to be furnished, and other construction and performance details to which the apparatus shall conform.

4.3.2* Responsibility for the fire apparatus and equipment shall remain with the contractor until such responsibilities are accepted by the purchaser.

4.4 Fire Apparatus Components. All components shall be installed in accordance with that component manufacturer's installation instructions.

4.4.1 Fire Pump. If the fire apparatus is equipped with a new fire pump, the pump and its associated equipment shall meet the requirements for fire pumps in the current edition of NFPA 1901, *Standard for Automotive Fire Apparatus*.

4.4.2 Auxiliary Pump. If the fire apparatus is equipped with a new auxiliary pump, the pump and its associated equipment shall meet the requirements for auxiliary pumps in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.4.3 Wildland Water Pump. If the fire apparatus is equipped with a new wildland water pump, the pump and its associated equipment shall meet the requirements for water pumps in the current edition of NFPA 1906.

4.4.4 Water Tank. If the fire apparatus is equipped with a new water tank, the water tank shall meet the requirements for water tanks in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.4.5 Aerial Device. If the fire apparatus is equipped with a new aerial device (i.e., aerial ladder, elevating platform, or water tower), the aerial device shall meet the requirements for aerial devices in the current edition of NFPA 1901.

4.4.6 Foam Proportioning System. If the fire apparatus is equipped with a new foam proportioning system, the apparatus shall meet the requirements for foam proportioning systems in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.4.7 Compressed Air Foam System. If the fire apparatus is equipped with a new compressed air foam system, the system shall meet the requirements for compressed air foam systems in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.4.8 Line-Voltage Electrical System. If the fire apparatus is equipped with a new line-voltage electrical system or components, the system or components shall meet the requirements for line-voltage electrical systems in the current edition of NFPA 1901.

4.4.9 Command and Communications. If the fire apparatus is equipped with a new command and communications area, the area shall meet the requirements for command and communications areas in the current edition of NFPA 1901.

4.4.10 Air System. If the fire apparatus is equipped with a new air system, the system shall meet the requirements for air systems in the current edition of NFPA 1901.

4.4.11 Winch System. If the fire apparatus is equipped with a new winch system, the system shall meet the requirements for winches in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.5 Chassis Components. Each component shall be installed in accordance with that component manufacturer's installation instructions.

4.5.1 Engine. If the fire apparatus is equipped with a new engine, the system shall meet the requirements for engines in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.5.2 Transmission/Transfer Case. If the fire apparatus is equipped with a new transmission or transfer case, the component(s) shall meet the requirements for transmissions and transfer cases in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.5.3 Braking System. If the fire apparatus is equipped with a new braking system, the system shall meet the requirements for braking systems in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.5.4 Axle(s). If the fire apparatus is equipped with a new axle(s), the component(s) shall meet the requirements for axles in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.5.5 Suspension, Wheels, and Tires. If the fire apparatus is equipped with new suspension, wheels, or tires, the component(s) shall meet the requirements for new suspension, wheels, and tires in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.5.6 Cooling System. If the fire apparatus is equipped with a new cooling system, the system shall meet the requirements for cooling systems in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.5.7 Low-Voltage Electrical System. If the fire apparatus is equipped with a new low-voltage electrical system or components, the system or components shall meet the requirements for low-voltage electrical systems in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.5.8 Frame. If the fire apparatus is equipped with a new chassis frame, the frame shall meet the requirements for chassis frames in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.5.9 Driveline. If the fire apparatus is equipped with a new driveline, the components shall meet the requirements for drivelines in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.5.10 Lubrication System. If the fire apparatus is equipped with a new lubrication system, the system shall meet the requirements for lubrication systems in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.5.11 Fuel and Air System. If the fire apparatus is equipped with a new fuel and air system, the system shall meet the requirements for fuel and air systems in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.5.12 Exhaust System. If the fire apparatus is equipped with a new exhaust system, the system shall meet the requirements for exhaust systems in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.5.13 Driving and Crew Compartment. If the fire apparatus is equipped with a new driving and crew compartment, the assembly shall meet the requirements for driving and crew compartments in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

4.6 Governmental Requirements. The fire apparatus shall comply with all applicable federal and state motor vehicle laws and regulations.

4.7 Personnel Protection.

4.7.1* Guards, shields, or other protection shall be added to refurbished fire apparatus where necessary to prevent injury to personnel by hot, moving, or rotating parts during normal nonmaintenance operations.

4.7.2 Electrical insulation or isolation shall be provided where necessary to prevent electrical shock from onboard electrical systems.

4.7.3 Vehicular workmanship shall ensure a safe operating environment free of accessible sharp projections and edges.

4.7.4 Safety-related (e.g., caution, warning, danger) tags and labels shall meet the requirements of NEMA Z535.4, *Standard for Product Safety Signs and Labels*.

4.8* Carrying Capacity. The GAWR and GCWR or GVWR of the chassis shall be adequate to carry the weight of the fire apparatus when loaded to its estimated in-service weight as defined in 4.8.2.

4.8.1 The contractor shall establish the estimated in-service weight during the design of the work to be done in refurbishing the fire apparatus.

4.8.2 The estimated in-service weight shall include the following:

- (1) The chassis, body, and tank(s)
- (2) Full fuel, lubricant, and other chassis or component fluid tanks or reservoirs
- (3) Full water and other agent tanks
- (4) *200 lb (90 kg) in each seating position
- (5) 70 lb (32 kg) for each seating position for personal gear unless specified as not applicable
- (6) Fixed equipment such as pumps, aerial devices, generators, reels, and air systems as installed
- (7) Ground ladders, suction hose, designed hose load in their hose beds and on their reels
- (8) An allowance for miscellaneous equipment that is the greatest of the values shown in Table 4.8.2, a purchaser-provided list of equipment to be carried with weights, or a purchaser-specified miscellaneous equipment allowance

4.8.3 The contractor shall engineer and design the work that will occur to the fire apparatus during the refurbishment such that the completed apparatus, when loaded to its estimated in-service weight, with all movable weights distributed as close as practical to their intended in-service configuration, does not exceed the gross vehicle weight rating (GVWR).

Chapter 5 Level I Refurbishing

5.1* General. Fire apparatus refurbished to Level I standards shall meet the current requirements of NFPA 1901, *Standard for Automotive Fire Apparatus*, or NFPA 1906, *Standard for Wildland Fire Apparatus*, whichever is applicable, for those components unless specified otherwise in this chapter.

5.2* Carrying Capacity. If a fire apparatus system or component is to be upgraded, the contractor shall ensure that the completed apparatus does not exceed the GAWR and GCWR, or GVWR, of the chassis when carrying the estimated in-service weight of the unequipped apparatus as defined in 4.8.2.

5.3 Vehicle Stability.

5.3.1 When the apparatus is loaded to its estimated in-service weight, the height of the vehicle's center of gravity shall not exceed the chassis manufacturer's maximum limit.

5.3.2 When the apparatus is loaded to its estimated in-service weight, the front-to-rear weight distribution on the vehicle shall be within the limits set by the chassis manufacturer.

5.3.3 Front axle loads shall not be less than the minimum axle loads specified by the chassis manufacturer, under full load and all other loading conditions.

5.3.4* The fire apparatus, when loaded to its estimated in-service weight, shall have a side-to-side tire load variation of no more than 7 percent of the total tire load for that axle.

5.4 Frame. The fire apparatus frame shall be replaced with a new chassis frame meeting the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

5.5 Drivetrain.

5.5.1 If the original drivetrain or associated components are used, the contractor shall perform a thorough inspection of the drivetrain components not scheduled for replacement (such as the drive shaft, end yokes or flanges, universal joints, and associated mountings) for wear, balance, stress cracks, or other damage.

5.5.2 The contractor shall notify the purchaser in writing of any damage discovered during the inspection.

5.5.3 If a new drivetrain or associated components are installed, the contractor shall certify that the installation meets the component manufacturer's recommendations.

5.6 Engine and Engine System Design.

5.6.1 If the original engine and accessories are used, the contractor shall perform a thorough inspection of the engine and related accessories including, but not limited to, mountings, fan belts, and filters.

5.6.1.1 The inspection shall check for wear, fluid leaks, loss of power, and other potential problems.

5.6.1.2 The contractor shall notify the purchaser in writing of all necessary repairs and services needed to bring the engine and related accessories within the engine manufacturer's original specifications.

5.6.1.3 All belts and filters shall be replaced.

5.6.2* If the existing engine and/or engine system is to be replaced, it shall be replaced with one that meets the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

5.6.2.1 The contractor shall furnish certification that the engine meets Environmental Protection Agency (EPA) standards that were in effect at the time of contract signing as well as certification that the installation meets the engine manufacturer's specifications.

Table 4.8.2 Miscellaneous Fire Apparatus Equipment Allowance

Fire Apparatus Type	Size	Equipment Allowance	
		lb	kg
Pumper	Less than 250 ft ³ (7 m ³) compartment space*	2,000	910
	250 ft ³ (7 m ³) or more of compartment space*	2,500	1,135
Initial attack	10,000 lb–15,000 lb (4,500 kg–7,000 kg) GVWR	900	410
	15,001 lb–20,000 lb (7,001 kg–9,000 kg) GVWR	1,500	680
	>20,000 lb (>9,000 kg) GVWR	2,000	910
Mobile water supply	All	1,000	455
Aerial	All	2,500	1,135
Quint	All	2,500	1,135
Special service	10,000 lb–15,000 lb (4,500 kg–7,000 kg) GVWR	2,000	910
	15,001 lb–20,000 lb (7,001 kg–9,000 kg) GVWR	2,500	1,135
	20,001 lb–30,000 lb (9,001 kg–14,000 kg) GVWR	3,000	1,350
	30,001 lb–40,000 lb (14,001 kg–18,000 kg) GVWR	4,000	1,800
	40,001 lb–50,000 lb (18,001 kg–23,000 kg) GVWR	6,000	2,700
	50,001 lb–60,000 lb (23,001 kg–27,000 kg) GVWR	8,000	3,600
	>60,000 lb (>27,000 kg) GVWR	10,000	4,500
Mobile foam	All	2,000	910
Wildland	5,000 lb–10,000 lb (2,200 kg–4,500 kg) GVWR	300	136
	10,001 lb–15,000 lb (4,501 kg–7,000 kg) GVWR	500	227
	15,001 lb–20,000 lb (7,001 kg–9,000 kg) GVWR	1,000	454
	20,001 lb–26,000 lb (9,001 kg–12,000 kg) GVWR	1,500	680
	>26,000 lb (>12,000 kg) GVWR	2,000	910

*Compartment space for pumpers is calculated based on the inside dimensions of the enclosed compartment.

5.7 Cooling System.

5.7.1 If the original cooling system is to be reused, the contractor shall perform a thorough inspection of the cooling system for leaks, blockages, wear, or other problems that could affect vehicle engine cooling.

5.7.1.1 The contractor shall notify the purchaser in writing of any problems discovered during the inspection.

5.7.1.2 The cooling system shall be flushed, and new coolant meeting the engine manufacturer's specifications shall be added.

5.7.2 If the cooling system is to be replaced, it shall be replaced with one that meets the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable, as well as the engine manufacturer's specifications.

5.8 Lubrication System.

5.8.1 If the original lubrication system is to be reused, the contractor shall perform a thorough inspection of the lubrication system for leaks, blockages, or other problems that could affect vehicle lubrication.

5.8.1.1 The contractor shall notify the purchaser in writing of any problems discovered during the inspection.

5.8.2 If the lubrication system is to be replaced, it shall be replaced with one that meets the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable, and the engine manufacturer's standards.

5.9 Fuel and Air Systems. The fire apparatus fuel and air intake systems shall be replaced with new fuel and air intake systems that meet the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable, and the engine manufacturer's standards.

5.10 Exhaust System. The original fire apparatus exhaust system shall be replaced with a new exhaust system that meets the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable, and the engine manufacturer's standards.

5.11 Vehicle Components.

5.11.1 Braking System.

5.11.1.1 The contractor shall certify that the braking system meets the performance requirements of the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

5.11.1.2 When a new braking system or brake components are installed, the contractor shall certify that the installation meets the component manufacturer's requirements.

5.11.1.3 Parking brakes shall control the rear wheels, or all wheels, and shall be of the positive, mechanically actuated type.

5.11.1.3.1* When the fire apparatus, as delivered, is loaded to its GVWR or GCWR, if applicable, the parking brake system shall hold the apparatus on at least a 20 percent grade.

5.11.1.3.2 A lockup device to retain applied pressure on hydraulically actuated service brake systems, or the use of the "park" position on an automatic transmission shall not be substituted for a separate parking brake system.

5.11.1.3.3 Parking brakes on steerable axles of tiller vehicles shall be provided where necessary to meet the requirements of this standard.

5.11.1.3.4 Air-applied brakes or mechanically actuated brakes shall be acceptable on steerable axles of tiller vehicles.

5.11.1.4 All fire apparatus with a GVWR of 36,000 lb (16,000 kg) or greater shall be equipped with an auxiliary braking system.

5.11.2 Suspension, Wheels, and Tires.

5.11.2.1 The suspension system shall be replaced with a new suspension system that meets the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

5.11.2.2* If the existing axle(s), wheels, or tires are utilized, the contractor shall inspect and verify the condition of these components for continued use in emergency service.

5.11.2.2.1 Damaged components shall be repaired or replaced.

5.11.2.3 The contractor shall certify that the axles, wheels, and tires of the completed fire apparatus meet all current federal and state GVWR, GCWR, and GAWR requirements.

5.11.2.4 Angle of Approach and Departure.

5.11.2.4.1 If the fire apparatus is being refurbished to NFPA 1901, an angle of approach and an angle of departure of at least 8 degrees shall be maintained at the front and rear of the vehicle when it is loaded to its GVWR or GCWR, if applicable.

5.11.2.4.2 If the fire apparatus is being refurbished to NFPA 1906, an angle of approach and an angle of departure of at least 20 degrees shall be maintained at the front and rear of the vehicle when it is loaded to its GVWR or GCWR, if applicable.

5.11.3 Steering. The fire apparatus steering system shall be replaced with a new steering system meeting the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

5.11.4 Transmission/Transfer Case.

5.11.4.1 If either the original transmission or the transfer case is reused, the contractor shall inspect the transmission or transfer case, its mountings, and any associated accessories for wear, damage, and fluid leaks.

5.11.4.1.1 The contractor shall notify the purchaser in writing of any problems discovered during the inspection.

5.11.4.1.2 All fluids and filters shall be changed.

5.11.4.2 In the event a new or refurbished transmission or transfer case is installed in the fire apparatus, the contractor shall certify that the installation meets the transmission or transfer case manufacturer's specifications for installation on that specific type of apparatus.

5.11.5 Fuel Tank. The fire apparatus fuel tank shall be replaced with a new tank that meets the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

5.11.6 Tow Hooks. Front or rear tow hooks or tow eyes shall be attached to the frame structure to allow towing (not lifting) of the fire apparatus without damage.

5.12 Low-Voltage Electrical Systems and Warning Devices. The fire apparatus electrical wiring system and warning devices shall be replaced with a complete new system that meets the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

5.13* Driving and Crew Compartments. The fire apparatus driving and crew compartments shall be replaced with new driving and crew compartments that meet the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable, and the chassis manufacturer's standards.

5.14 Body, Compartmentation, and Hose Storage.

5.14.1 If the original fire apparatus body is to be reused, it shall be inspected for serviceability and upgraded to meet the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

5.14.2 If the fire apparatus body, compartmentation, and hose storage areas are to be replaced, they shall be replaced with components that meet the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

5.14.3 If new compartments are to be added to an existing fire apparatus body, they shall meet the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

5.14.4* The fire apparatus shall comply with the current requirements for metal finish in NFPA 1901 or NFPA 1906, whichever is applicable, including the application of reflective striping.

5.15 Fire Pump and Associated Equipment.

5.15.1 If the original fire pump is reused, the contractor shall inspect the fire pump, its mountings, and its associated accessories for wear, damage, and leaks.

5.15.2 The contractor shall notify the purchaser in writing of any problems discovered during the inspection.

5.15.3 All new or upgraded parts or components shall meet the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

5.15.4 The pump packing shall be adjusted according to the pump manufacturer's recommendations.

5.16 Water Tanks.

5.16.1 If the existing water tank is to be reused, the contractor shall inspect the water tank for serviceability and report any defects to the purchaser in writing.

5.16.2* If a new water tank is installed, it shall meet the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

5.16.2.1 Installation of a new water tank shall not result in the completed fire apparatus exceeding the GAWR and GCWR or GVWR of the chassis under the conditions specified in Section 5.2.

5.17 Aerial Devices.

5.17.1 If the original aerial device is to be used, a full inspection and test as defined in NFPA 1914, *Standard for Testing Fire Department Aerial Devices*, shall be performed.

5.17.1.1 A test shall be performed prior to refurbishing to determine the condition of the aerial device.

5.17.2 If the original aerial device is reused, it shall meet the requirements of the NFPA automotive fire apparatus standard in effect at the time of the contract signing for the original manufacture of the apparatus.

5.18 Equipment Carried on Fire Apparatus.

5.18.1 If new ground ladders are furnished, they shall meet the requirements of NFPA 1931, *Standard for Manufacturer's Design of Fire Department Ground Ladders*.

5.18.2 If new hose is furnished, it shall meet the requirements of NFPA 1961, *Standard on Fire Hose*.

5.18.3 If new nozzles are furnished, they shall meet the requirements of NFPA 1964, *Standard for Spray Nozzles*.

5.19 Tests and Delivery Data Requirements.

5.19.1 Fire Apparatus Certification Tests.

5.19.1.1 If the refurbished fire apparatus is equipped with a fire pump that has a rated capacity of 750 gpm (3000 L/min) or greater, the pump system shall be tested after the pump and all its associated piping and equipment have been installed on the apparatus.

5.19.1.1.1 The tests shall be conducted at the contractor's approved facility and certified by an independent testing organization approved by the purchaser.

5.19.1.1.2 The certification shall include at least the tests defined in 5.19.2 through 5.19.6.

5.19.1.1.3 If the apparatus is equipped with a water tank, the water tank-to-pump flow test defined in 5.19.7 shall be included.

5.19.1.2 If the refurbished fire apparatus is equipped with a fire pump that has a rated capacity of less than 750 gpm (3000 L/min), the pump shall be tested after the pump and all its associated piping and equipment have been installed on the apparatus.

5.19.1.2.1 The tests shall be conducted at the manufacturer's approved facility and certified by the contractor.

5.19.1.2.2 The certification shall include at least the tests defined in 5.19.2 and 5.19.4 through 5.19.6.

5.19.1.2.3 If the apparatus is equipped with a water tank, the water tank-to-pump flow test defined in 5.19.7 shall be included.

5.19.2 **Pumping Tests.** A pumping certification test shall be conducted in accordance with the test requirements defined in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

5.19.3 Pumping Engine Overload Test.

5.19.3.1 If a new fire pump is installed, a pumping engine overload test shall be conducted in accordance with the test requirements defined in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

5.19.3.2 If the original fire pump is retained or reused, a pumping engine overload test shall be conducted in accordance with the test requirements of the NFPA automotive fire apparatus standard that was in effect at the time of the contract signing for the original manufacture of the apparatus.

5.19.4 Pressure Control System Test.

5.19.4.1 If the refurbished fire apparatus is equipped with a new pressure control system on the fire pump, it shall be tested in accordance with the test requirements defined in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

5.19.4.2 If the original pressure control system is retained or reused, it shall be tested in accordance with the pressure control device testing requirements of NFPA 1911, *Standard for Service Tests of Fire Pump Systems on Fire Apparatus*.

5.19.5 Priming System Test.

5.19.5.1 If the refurbished fire apparatus is equipped with a new priming system on the fire pump, it shall be tested in accordance with the test requirements defined in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

5.19.5.2 If the original priming system is retained or reused, it shall be tested in accordance with the priming system test requirements of NFPA 1911.

5.19.6 Vacuum Test.

5.19.6.1 If the refurbished fire apparatus is equipped with a new fire pump, a vacuum test shall be conducted in accordance with the test requirements defined in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

5.19.6.2 If the original fire pump is retained or reused, a vacuum test shall be conducted in accordance with the test requirements of NFPA 1911.

5.19.7 Water Tank-to-Pump Flow Test.

5.19.7.1 If the refurbished fire apparatus has a new water tank(s), fire pump(s), or pump piping, a water tank-to-pump flow test shall be conducted in accordance with the test requirements in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

5.19.7.2 If the original water tank(s), pump(s), and pump piping is retained or reused, a water tank-to-pump flow test shall be conducted to ensure the installation meets the requirements of the NFPA automotive fire apparatus standard in effect at the time of the contract signing for the original manufacture of the apparatus.

5.19.8 Aerial Device Certification Tests. If a new or reutilized aerial device is installed on the refurbished fire apparatus, the completed apparatus shall be tested at the manufacturer's approved facility and certified by an independent testing organization approved by the purchaser.

5.19.8.1 New aerial devices shall be tested according to the current edition of NFPA 1901.

5.19.8.2 Reutilized aerial devices shall be tested to the NFPA automotive fire apparatus standard in effect at the time of the original aerial device manufacture.

5.19.9 Refurbisher's Pre-Delivery Tests.

5.19.9.1 Water Tank Capacity Test. If the refurbished fire apparatus has a new water tank, the water tank manufacturer shall certify the capacity of the water tank and the certification shall be provided to the purchaser when the apparatus is delivered.

5.19.9.1.1 If the refurbished fire apparatus retains or reuses the original water tank, the tank shall be tested to ensure it meets the requirements of the NFPA automotive fire apparatus standard in effect at the time of the contract signing for the original manufacture of the apparatus.

5.19.9.2 Piping Hydrostatic Test.

5.19.9.2.1 If the refurbished fire apparatus has a new fire pump or pump piping system, a piping hydrostatic test shall be conducted in accordance with the test requirements in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

5.19.9.2.2 If the refurbished fire apparatus retains or reuses the original pump(s) and pump piping, a piping hydrostatic test shall be conducted to ensure the integrity of the piping installation meets the requirements of the NFPA automotive fire apparatus standard in effect at the time of the contract signing for the original manufacture of the apparatus.

5.19.9.3 Electrical System Tests. Electrical system tests shall be conducted in accordance with the test requirements in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable, on all refurbished fire apparatus.

5.19.9.4* Foam System Tests.

5.19.9.4.1 If the refurbished fire apparatus has a newly installed foam system or system components, the system shall be tested in accordance with the test requirements in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

5.19.9.4.2 If the refurbished fire apparatus reuses the original foam systems and system components, the system shall be tested to ensure it meets the requirements of the NFPA automotive fire apparatus standard in effect at the time of the contract signing for the original manufacture of the apparatus.

5.19.10* Road Tests.

5.19.10.1 If the refurbished fire apparatus has any upgraded powertrain components (engine, transmission, driveline, or axles), it shall be road tested in accordance with 5.19.10.4 through 5.19.10.8.

5.19.10.2 If the refurbished fire apparatus reuses all of the original powertrain components (engine, transmission, driveline, and axles), it shall be tested to ensure it meets the requirements of the NFPA automotive fire apparatus standard in effect at the time of the contract signing for the original manufacture of the apparatus.

5.19.10.3 The tests shall be conducted at a location and in a manner that does not violate local, state, or federal traffic laws.

5.19.10.4 The fire apparatus shall be loaded to its estimated in-service weight.

5.19.10.4.1 The tests shall be conducted on dry, level, paved roads that are in good condition.

5.19.10.4.2 The engine shall not be operated in excess of the maximum governed speed.

5.19.10.5 Acceleration tests shall consist of two runs in opposite directions over the same route.

5.19.10.5.1 The vehicle shall attain a speed of 35 mph (55 km/hr) from a standing start within 25 seconds.

5.19.10.5.2 The vehicle shall attain a minimum top speed of not less than 50 mph (80 km/hr).

5.19.10.6 If the fire apparatus is equipped with an auxiliary braking system, the manufacturer shall road test the system to confirm that the system is functioning as intended by the auxiliary braking system manufacturer.

5.19.10.7 If the apparatus is equipped with an air brake system, the service brakes shall bring the apparatus, when loaded to its GVWR, to a complete stop from an initial speed of 20 mph (32.2 km/hr), in a distance not exceeding 35 ft (10.7 m) by actual measurement on a paved, level, dry surface road that is free of loose material, oil, or grease.

5.19.10.8 If the apparatus is equipped with a hydraulic brake system, the service brakes shall bring the apparatus, when loaded to its GVWR, to a complete stop from an initial speed of 30 mph (48.2 km/hr), in a distance not exceeding 88 ft (26.8 m) by actual measurement on a paved, level, dry surface road that is free of loose material, oil, or grease.

5.19.11 Tests on Delivery.

5.19.11.1 If acceptance tests are required at the point of delivery, the purchaser shall specify the details of the tests to be performed and they shall not be performed in a manner that requires the apparatus or a component to operate outside its designed operating range.

5.19.11.2 Aerial device stability tests shall not be run at other than the refurbisher's or the aerial device manufacturer's facility.

5.20 Data Required of the Contractor.

5.20.1 The contractor shall supply, at the time of delivery, at least two copies of complete operation, service, and parts manuals covering the completed fire apparatus as delivered and accepted.

5.20.1.1 This requirement shall be permitted to be adjusted to cover only manuals for those new components or systems that are changed from the original configuration.

5.20.1.2 The requirement for either complete or partial manuals shall be supplied by the purchasing authority.

5.20.2 The contractor shall supply, at the time of delivery, at least one copy of the following:

- (1) Engine manufacturer's certified brake horsepower curve for a new engine installation showing the maximum governed speed
- (2) Contractor's record of fire apparatus refurbishing, including, if applicable, all technical information required for inspection to comply with NFPA 1914
- (3) Pump manufacturer's certification of suction capabilities for new pump installations
- (4) Pump manufacturer's certification of hydrostatic test for new pump installations
- (5) Certification of inspection and test
- (6) If the apparatus is equipped with a pump, a copy of the chassis manufacturer's approval for stationary pumping applications
- (7) Weight documents from a certified scale showing actual loading on the front axle, rear axle(s), and overall vehicle (with the water tank full but without personnel, equipment, and hose) to determine compliance with Section 4.8

5.20.3 A label shall be affixed to the vehicle certifying that the vehicle is in compliance with all applicable Federal Motor Vehicle Safety Standards (FMVSS) in effect at the time of completion.

5.20.4 If the original fire pump is replaced with a new fire pump, a new test plate shall be provided on the pump operator's panel.

5.20.4.1 The new test plate shall give the rated discharges and pressures, together with the speed of the engine, as determined by the certification test for each unit; the position of the parallel-series pump as used; and the governed speed of the engines as stated by the engine manufacturer on a certified brake horsepower curve.

5.20.4.2 The test plate shall be stamped with complete information at the contractor's facility and attached to the vehicle prior to delivery.

Chapter 6 Level II Refurbishing

6.1* General. All new or upgraded components utilized in Level II refurbishing shall meet the requirements of the current edition of NFPA 1901, *Standard for Automotive Fire Apparatus*, or NFPA 1906, *Standard for Wildland Fire Apparatus*, whichever is applicable, for those components, unless otherwise specified in this chapter.

6.1.1 The purchaser shall specify which components and systems are to be upgraded.

6.1.2 Any upgraded system shall be compatible with its associated components.

6.1.3 Systems or components that are not compatible shall not be installed on the refurbished fire apparatus.

6.2* Carrying Capacity. If a fire apparatus system or component is to be upgraded, the contractor shall ensure that the refurbished apparatus does not exceed the GAWR and GCWR, or GVWR, of the chassis when carrying the estimated in-service weight of the unequipped apparatus as defined in 4.8.2.

6.3* Vehicle Stability.

6.3.1* When the apparatus is loaded to its estimated in-service weight, the height of the vehicle's center of gravity shall not exceed the chassis manufacturer's maximum limit.

6.3.2* When the apparatus is loaded to its estimated in-service weight, the front-to-rear weight distribution on the vehicle shall be within the limits set by the chassis manufacturer.

6.3.3 Front axle loads shall not be less than the minimum axle loads specified by the chassis manufacturer, under full load and all other loading conditions.

6.3.4* The fire apparatus, when loaded to its estimated in-service weight, shall have a side-to-side tire load variation of no more than 7 percent of the total tire load for that axle.

6.4 Frame.

6.4.1 If the apparatus' frame is to be upgraded, all parts of the frame not scheduled to be replaced shall be inspected for wear, broken or loose bolts or other fittings, bent or damaged members, or other problems.

6.4.2 The contractor shall notify the purchaser in writing of any problems or abnormal conditions discovered during the inspection.

6.5 Drivetrain.

6.5.1 If the apparatus drivetrain is to be upgraded, the contractor shall inspect all components of the drivetrain not scheduled to be replaced for wear, balance, stress cracks, or other damage.

6.5.1.1 The inspection shall include the drive shaft, end yokes or flanges, universal joints, and associated mountings.

6.5.1.2 The contractor shall notify the purchaser in writing of any damaged components or other problems discovered during the inspection.

6.5.2 If a new drivetrain or associated components are installed or existing components are modified, the contractor shall ensure that the installation meets the component manufacturer's recommendations.

6.6 Engine and Engine System Design.

6.6.1* If the engine or an engine system component(s) is upgraded, the contractor shall inspect the engine and all related accessories that are not scheduled to be replaced for wear, fluid leaks, loss of power, excessive smoke, or other potential problems.

6.6.1.1 The contractor shall notify the purchaser in writing of all necessary repairs and services needed to bring the engine and related accessories within applicable manufacturers' specifications.

6.6.1.2 All belts and filters shall be replaced.

6.6.2* If the existing engine or engine system is to be replaced, it shall be replaced with one that meets or exceeds the requirements of the NFPA automotive fire apparatus standard that was in effect at the time the apparatus was manufactured.

6.6.2.1 The contractor shall furnish certification that the engine meets or exceeds the EPA standards that were in effect at the time of the original apparatus construction, as well as certification that the installation meets the engine manufacturer's requirements.

6.7 Cooling System.

6.7.1 If the cooling system or any related component(s) are to be upgraded, the contractor shall inspect all portions of the cooling system that are not scheduled to be replaced for leaks, blockages, wear, and other conditions that could affect the cooling of the vehicle's engine.

6.7.1.1 The contractor shall notify the purchaser in writing of any problems or abnormal conditions discovered during the inspection.

6.7.1.2 The cooling system shall be flushed, and new coolant that meets the engine manufacturer's requirements shall be added.

6.7.2 If the cooling system or cooling system components are upgraded, the contractor shall certify that the upgraded cooling system meets the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable, and the engine manufacturer.

6.7.3 The upgraded engine cooling system shall maintain a temperature in the engine at or below the engine manufacturer's maximum temperature rating under all conditions of operation for which the fire apparatus is designed.

6.8 Lubrication System.

6.8.1 If the lubrication system or any related component(s) is to be upgraded, the contractor shall inspect all portions of the lubrication system that are not scheduled to be replaced for leaks, wear, and other problems that could affect the performance of the system.

6.8.2 The contractor shall notify the purchaser in writing of any problems or abnormal conditions discovered during the inspection.

6.8.3 The upgraded lubrication system shall meet the engine manufacturer's requirements.

6.9 Fuel and Air Systems.

6.9.1 If the fuel system or air intake system is to be upgraded, the contractor shall inspect all portions of the system not scheduled to be replaced for leaks, wear, and other problems that could affect the performance of the system.

6.9.2 The contractor shall notify the purchaser in writing of any problems or abnormal conditions discovered during the inspection.

6.9.3 The contractor shall certify that the upgraded fuel system or air intake system meets the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable, and the engine manufacturer.

6.10 Exhaust System.

6.10.1 If the exhaust system components are to be upgraded, the contractor shall inspect all portions of the system that are not scheduled to be replaced for leaks, loose hangers, rusted tubing, wear, and other problems that could affect the performance of the exhaust system.

6.10.2 The contractor shall notify the purchaser in writing of any problems or abnormal conditions discovered during the inspection.

6.10.3 The contractor shall certify that the upgraded exhaust system meets the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable, and the engine manufacturer.

6.11 Vehicle Components.

6.11.1 Braking System.

6.11.1.1* If the braking system is to be upgraded, the contractor shall inspect all portions of the braking system and associated accessories that are not scheduled to be replaced for wear, leakage, loss of performance, and other problems that could affect the performance of the braking system.

6.11.1.1.1 The contractor shall notify the purchaser in writing of any problems or abnormal conditions found during the inspection.

6.11.1.2* If a new braking system or new brake components are installed, the installation shall meet the manufacturers' recommendations.

6.11.1.3 The contractor shall certify that the braking system meets or exceeds the performance requirements of the edition of the NFPA automotive fire apparatus standard in effect at the time of contract signing for the original manufacture of the apparatus.

6.11.2 Suspension, Wheels, and Tires.

6.11.2.1* If the suspension, wheels, or tires are to be upgraded, the contractor shall inspect the axles, wheels, tires, springs, hangers, mountings, and suspension system accessories that are not scheduled to be replaced for wear, stress cracks, sagging, improper bolt torque, and other problems.

6.11.2.2 The contractor shall notify the purchaser in writing of any damaged components or other problems that are discovered during the inspection.

6.11.2.3 The manufacturer shall certify that the upgraded suspension, wheels, and tires of the fire apparatus meet all applicable component manufacturers' standards as well as all GVWR, GCWR, and GAWR ratings.

6.11.2.4 The refurbished apparatus shall meet all applicable federal and state weight ratings.

6.11.2.5* When the fire apparatus, as delivered, is loaded to its GVWR or GCWR, if applicable, the parking brake system shall hold the apparatus on at least a 20 percent grade.

6.11.3 Steering.

6.11.3.1 If the steering system is to be upgraded, the contractor shall inspect the entire system, including the steering box, steering gear, drag links, power steering pump, hose, and accessories that are not scheduled to be replaced for wear, leakage, loss of performance, and other problems.

6.11.3.2 The contractor shall notify the purchaser in writing of any damaged components or other problems that are discovered during the inspection.

6.11.3.3 The contractor shall certify that the upgraded steering system meets the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable, and the component manufacturer.

6.11.3.4 The upgraded steering system shall be capable of turning the front wheels to an angle of at least 30 degrees to either the right or left for nondriving front axles, and at least 28 degrees for driving front axles.

6.11.3.5 Power steering or power-assisted steering shall be provided.

6.11.4 Transmission/Transfer Case.

6.11.4.1 If either the transmission or the transfer case is to be upgraded, the contractor shall inspect all components of the transmission or transfer case, their mountings, and the associated accessories that are not scheduled to be replaced for wear, damage, and fluid leaks.

6.11.4.1.1 All fluid levels and filters shall be checked.

6.11.4.1.2 The contractor shall notify the purchaser in writing of any damaged components or other problems that are discovered during the inspection.

6.11.4.2 If an upgraded transmission is installed in the fire apparatus, the contractor shall certify that the installation meets the transmission manufacturer's specifications for installation in the specific type of apparatus, as well as the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

6.11.5 Fuel Tank.

6.11.5.1 If the fuel tank is to be upgraded, the contractor shall inspect all components of the fuel tank, its mountings, and associated accessories that are not scheduled to be replaced for wear, damage, and fluid leaks.

6.11.5.2 The contractor shall notify the purchaser in writing of any damaged components or other problems that are discovered during the inspection.

6.11.5.3 Fuel tanks that are replaced shall be replaced with new tanks that meet the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

6.11.6* Tow Hooks. If upgraded front or rear tow hooks or tow eyes are installed on the fire apparatus, they shall be attached to the frame structure to allow towing (not lifting) of the apparatus without damage.

6.12 Low-Voltage Electrical Systems and Warning Devices.

6.12.1* General. Any upgraded 12 V or 24 V electrical systems or warning devices installed on the fire apparatus shall be appropriate for the service intended and shall meet the specific requirements of Section 6.12.

6.12.2* If the low-voltage electrical system is upgraded, the contractor shall inspect the components of the electrical system not scheduled to be replaced for problems that could affect the vehicle's electrical performance.

6.12.2.1 The inspection shall include the condition of wires, connectors, relays, fuses, and/or circuit breakers and related components.

6.12.2.2 The contractor shall notify the purchaser in writing of any damaged components or problems that are discovered during the inspection.

6.12.3 Power Supply.

6.12.3.1 If the alternator is to be upgraded, it shall be replaced by a 12 V or 24 V alternator.

6.12.3.2 The alternator shall have a minimum output at idle to meet the minimum continuous electrical load of the fire apparatus as defined in 6.12.3.3 at 200°F (93°C) ambient temperature within the engine compartment, and it shall be provided with full automatic regulation.

6.12.3.3 The minimum continuous electrical load shall consist of the total amperage required to simultaneously operate the following in a stationary mode during emergency operations:

- (1) The propulsion engine and transmission
- (2) All legally required clearance and marker lights, headlights, and other electrical devices except windshield wipers and four-way hazard flashers
- (3) The radio(s) at a duty cycle of 10 percent transmit and 90 percent receive (for calculation and testing purposes, a default value of 5 A continuous)
- (4) If the fire apparatus is not a wildland fire apparatus, the lighting necessary to produce 1 fc (10 lx) of illumination on all walking surfaces on the apparatus and on the ground at all egress points off of the apparatus, 5 fc (50 lx) of illumination on all control and instrument panels, and 50 percent of the total compartment lighting loads.
- (5) The minimum optical warning system required where the apparatus is blocking right-of-way
- (6) The continuous electrical current required to simultaneously operate any fire pumps, aerial devices, and hydraulic pumps
- (7)*Other warning devices and electrical loads defined by the purchaser as critical to the mission of the apparatus

6.12.3.4 Load Management.

6.12.3.4.1* If the total connected electrical load of the upgraded low-voltage electrical system exceeds the minimum continuous electrical output rating of the installed alternator(s) operating under the conditions specified in 6.12.3.2, an automatic electrical load management system shall be required.

6.12.3.4.2 The minimum continuous electrical load defined in 6.12.3.3 shall not be subject to automatic load management.

6.12.4* Optical Warning Devices. If the optical warning devices are to be upgraded, the contractor shall inspect the components of the optical warning system that are not scheduled to be replaced for problems that could affect the vehicle's warning devices.

6.12.4.1 The inspection shall include the condition of wires, connectors, relays, fuses and/or circuit breakers, motors, lenses, and related components.

6.12.4.2 The contractor shall notify the purchaser in writing of any problems or discrepancies that are discovered during the inspection.

6.12.5 Audible Warning Devices.

6.12.5.1 Audible warning equipment in the form of at least one automotive traffic horn and one electric or electronic siren shall be provided.

6.12.5.2 A means shall be provided to allow the activation of the siren within convenient reach of the driver.

6.12.5.3 If upgraded or additional air horns, electric siren(s), or electronic siren speaker(s) are installed, they shall be mounted as low and as far forward on the fire apparatus as practical.

6.12.5.4 Upgraded or additional audible warning equipment shall not be mounted on the roof of the apparatus.

6.13* Driving and Crew Compartments.

6.13.1 If the driving and/or crew compartment(s) is to be upgraded, the contractor shall inspect the driving and crew compartments, their mountings, and associated accessories for wear, damage, and corrosion.

6.13.1.1 The contractor shall notify the purchaser in writing of any damaged components that are discovered during the inspection.

6.13.2* If a new driving and/or crew compartment is installed, it shall be a fully enclosed design that meets the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

6.13.2.1 The driving compartment shall have a seating capacity for a minimum of two fire fighters except at a tiller driving position, which shall have seating for at least one person.

6.13.2.2 The driving and crew compartments shall have a combined seating capacity at least equal to the maximum number of persons expected to ride within the fire apparatus (See Section 4.2.)

6.13.3 If the new driving and/or crew compartment is of a tilt-up design, it shall be arranged so that all the manufacturer's recommended routine maintenance checks of lubricant and fluid levels can be performed easily by the operator without raising the driving and/or crew compartment and without the need for hand tools.

6.13.4 After installation of the new driving and/or crew compartment, airflow through the radiator shall be sufficient to comply with the cooling system requirements as defined in 6.7.3.

6.13.5 Fully Enclosed Crew Compartment Conversions. If an existing two-door open canopy-style crew compartment is converted into a fully enclosed crew compartment, the added-on portion of the crew compartment shall comply with all applicable requirements of NFPA 1901.

6.14 Body, Compartmentation, and Hose Storage.

6.14.1 If the body, compartmentation, or hose storage areas are to be upgraded, the contractor shall inspect all portions of the body, compartmentation, or hose storage areas that are not scheduled to be replaced for wear, damage, and corrosion.

6.14.1.1 The contractor shall notify the purchaser in writing of any damaged components that are discovered during the inspection.

6.14.2* If a new body, compartmentation, or hose storage area is installed, it shall meet the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

6.14.3 If additional compartments are added to an existing body, they shall meet the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

6.14.4 Metal Finish.

6.14.4.1 The fire apparatus, when refinished, shall comply with the current requirements for metal finish in NFPA 1901 or NFPA 1906, including the application of reflective striping.

6.14.4.2 If the metal finish is to be upgraded, all exposed ferrous metal surfaces that are not plated or stainless steel shall be cleaned and prepared and shall be painted or coated.

6.14.4.2.1 The paint or coating, including any primer, shall be applied in accordance with the paint or coating manufacturer's recommendations.

6.14.4.2.2 The purchaser shall specify whether nonferrous body components are to be painted and any lettering, numbering, or decorative striping to be furnished.

6.15 Fire Pump and Associated Equipment. If the fire pump or associated equipment is to be upgraded, the contractor shall inspect all portions of the fire pump, its mountings, and any associated accessories that are not scheduled to be replaced for wear, damage, and leaks.

6.15.1 The contractor shall notify the purchaser in writing of any damaged components or other problems that are discovered during the inspection.

6.15.2 All upgraded parts or components shall be compatible with the original fire pump.

6.15.3 The fire pump packing shall be adjusted to the pump manufacturer's recommended tolerances.

6.16 Water Tank.

6.16.1 If the existing water tank is to be reused, the contractor shall inspect the tank for serviceability and shall report any defects to the purchaser in writing.

6.16.2* If a new water tank is installed, it shall meet the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable.

6.16.3 Installation of a new water tank shall not result in the refurbished apparatus exceeding the GAWR and GCWR or GVWR of the chassis under the conditions specified in Section 6.2.

6.17 Aerial Devices.

6.17.1 If the aerial device is to be upgraded, the contractor shall inspect all components of the aerial device, its mountings, controls, and associated accessories that are not scheduled to be replaced for wear, damage, corrosion, and other deficiencies.

6.17.1.1 The contractor shall notify the purchaser in writing of any damaged components or other problems that are discovered during the inspection.

6.17.1.2 All new or replacement parts or components shall be compatible with the design of the original aerial device and shall meet the requirements of the NFPA automotive fire apparatus standard in effect at the time of the contract signing for the original manufacture of the apparatus.

6.17.2 If a replacement aerial device is installed, the new device shall meet the current requirements of NFPA 1901 and shall be so certified by the contractor.

6.18 Equipment Carried on the Fire Apparatus.

6.18.1 If new ground ladders are furnished, they shall meet the requirements of NFPA 1931, *Standard for Manufacturer's Design of Fire Department Ground Ladders*.

6.18.2 If new hose is furnished, it shall meet the requirements of NFPA 1961, *Standard on Fire Hose*.

6.18.3 If new nozzles are furnished, they shall meet the requirements of NFPA 1964, *Standard for Spray Nozzles*.

6.19 Tests and Delivery Data Requirements.**6.19.1 Pump Certification Tests.**

6.19.1.1 If the refurbished fire apparatus is equipped with a new or upgraded fire pump that has a rated capacity of 750 gpm (3000 L/min) or greater, the pump system shall be tested after the pump and all its associated piping and equipment have been installed on the apparatus.

6.19.1.1.1 The tests shall be conducted at the contractor's approved facility and certified by an independent testing organization that is approved by the purchaser.

6.19.1.1.2 The certification shall include at least the tests defined in 6.19.2 through 6.19.6.

6.19.1.1.3 If the apparatus is equipped with a water tank, the water tank-to-pump flow test as defined in 6.19.7 shall be included in the certification.

6.19.1.2 If the refurbished fire apparatus is equipped with a new or upgraded fire pump that has a rated capacity of less than 750 gpm (3000 L/min), the pump system shall be tested after the pump and all its associated piping and equipment have been installed on the apparatus.

6.19.1.2.1 The tests shall be conducted at the manufacturer's approved facility and certified by the contractor.

6.19.1.2.2 The certification shall include at least the tests defined in 6.19.2 and 6.19.4 through 6.19.6.

6.19.1.2.3 If the apparatus is equipped with a water tank, the water tank-to-pump flow test as defined in 6.19.7 shall be included in the certification.

6.19.1.3 If the refurbished fire apparatus is equipped with an existing fire pump that is neither upgraded nor replaced, the pump shall be tested after the refurbishing is complete.

6.19.1.3.1 The tests shall be conducted at the manufacturer's approved facility and certified by the contractor.

6.19.1.3.2 The certification shall include at least the tests defined in 6.19.2 and 6.19.4 through 6.19.6.

6.19.1.3.3 If the apparatus is equipped with a water tank, the water tank-to-pump flow test as defined in 6.19.7 shall be included in the certification.

6.19.2 Pumping Tests.

6.19.2.1 If the refurbished fire apparatus is equipped with a new or upgraded fire pump, the pumping test shall be conducted in accordance with the test requirements defined in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

6.19.2.2 If the original fire pump is retained, the pumping test shall be conducted in accordance with the test requirements of the NFPA automotive fire apparatus standard in effect at the time of the contract signing for the original manufacture of the apparatus.

6.19.3 Pumping Engine Overload Test.

6.19.3.1 If the refurbished fire apparatus is equipped with a new or upgraded fire pump, a pumping engine overload test meeting the test requirements in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable, shall be conducted.

6.19.3.2 If the refurbished fire apparatus retains its original pump(s), a pumping engine overload test shall be conducted in accordance with the test requirements of the NFPA automotive fire apparatus standard in effect at the time of the contract signing for the original manufacture of the apparatus.

6.19.4 Pressure Control Device Test.

6.19.4.1 If the refurbished fire apparatus is equipped with a new or upgraded pressure control device on the fire pump, the pressure control device shall be tested in accordance with the test requirements defined in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

6.19.4.2 If the original pressure control device is retained, it shall be tested in accordance with the pressure control system test requirements of NFPA 1911, *Standard for Service Tests of Fire Pump Systems on Fire Apparatus*, if it has not been tested within the previous 12 months, or if any work has been done to the pressure control device.

6.19.5 Priming System Test.

6.19.5.1 If the refurbished fire apparatus is equipped with a new or upgraded priming system on the fire pump, the priming system shall be tested in accordance with the test requirements defined in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

6.19.5.2 If the original priming system is retained, it shall be tested in accordance with the priming system test requirements of NFPA 1911, if the priming system has not been tested within the previous 12 months, or if any work has been done to the priming system.

6.19.6 Vacuum Test.

6.19.6.1 If the refurbished fire apparatus has a new or upgraded fire pump or pump piping, a vacuum test shall be conducted in accordance with the test requirements in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

6.19.6.2 If the original fire pump and pump piping are retained, a vacuum test shall be conducted in accordance with the vacuum test requirements of NFPA 1911, if that test has not been conducted within the previous 12 months, or if any work has been done to the pump or piping.

6.19.7 Water Tank-to-Pump Flow Test.

6.19.7.1 If the refurbished apparatus has a new or upgraded water tank(s), pump(s), or pump piping, a water tank-to-pump flow test shall be conducted in accordance with the test requirements in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

6.19.7.2 If the original water tank(s), pump(s), and pump piping are reused, a water tank-to-pump flow test shall be conducted in accordance with the water tank-to-pump flow test requirements of NFPA 1911, if that test has not been conducted within the previous 12 months, or if any work has been done to the pump(s), water tank(s), and pump piping.

6.19.8 Aerial Device Certification Tests.

6.19.8.1 If a new or upgraded aerial device is installed on the refurbished fire apparatus, the completed apparatus shall be tested according to the test requirements of NFPA 1901 at the manufacturer's approved facility and certified by an independent testing organization approved by the purchaser.

6.19.8.2 If the original aerial device is reused, the completed apparatus shall be inspected and tested in accordance with the complete requirements of NFPA 1914, if the aerial device has not been tested to the complete requirements of NFPA 1914 within the previous 12 months, or if any work has been done to the aerial device or related systems.

6.19.9 Refurbisher's Pre-Delivery Tests.

6.19.9.1 Water Tank Capacity Test.

6.19.9.1.1 A water tank capacity test meeting the current requirements of NFPA 1901 or NFPA 1906, whichever is applicable, shall be conducted on all refurbished fire apparatus having newly installed water tanks.

6.19.9.1.2 Fire apparatus retaining their original water tanks shall be tested to the requirements in the edition of the applicable standard in effect at the time of the original contract signing if any work has been done to the tank or its related systems.

6.19.9.2 Low-Voltage Electrical System Tests.

6.19.9.2.1* If any work is conducted that substantially changes the original low-voltage electrical system of the fire apparatus or adds new loads (such as adding a load management system, new lights, new relay boards, etc.), the apparatus shall be tested according to the requirements of the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

6.19.9.2.2 If any work is conducted on the low-voltage electrical system that leaves the original electrical system configuration intact (such as tightening connections, replacing individual wires, etc.), the apparatus shall be tested according to the requirements of the NFPA automotive fire apparatus standard in effect at the time of the contract signing for the original manufacture of the apparatus.

6.19.9.3 Line-Voltage Electrical System Tests.

6.19.9.3.1* If a new line-voltage electrical system is added or any work is conducted that substantially changes the original line-voltage electrical system on the fire apparatus or adds new line-voltage electrical loads such as lights, permanently connected equipment, receptacles, cord reels, and so forth, the apparatus shall be tested according to the applicable requirements of the current edition of NFPA 1901.

6.19.9.3.2 If any work is conducted on the line-voltage electrical system that leaves the original line-voltage electrical system configuration intact (such as tightening connections, replacing individual wires, etc.), the apparatus shall be tested according to the requirements of the edition of the NFPA automotive fire apparatus standard in effect at the time of the contract signing for the original manufacture of the apparatus. If a new pump is installed and the generator shares the same power source as the pump, the line-voltage electrical system test shall be run concurrently with the pump test.

6.19.9.4* Foam System Tests.

6.19.9.4.1 If the refurbished fire apparatus has a new foam system, the system shall be tested in accordance with the test requirements in the current edition of NFPA 1901 or NFPA 1906, whichever is applicable.

6.19.9.4.2 If the refurbished fire apparatus retains its original foam system and system components, and if any work has been done to the foam system or it has been upgraded, the system shall be tested to ensure it meets the requirements of the edi-

tion of the NFPA automotive fire apparatus standard in effect at the time of the contract signing for the original manufacture of the apparatus.

6.19.10 Road Tests.

6.19.10.1* If the refurbished fire apparatus has upgraded powertrain components (engine, transmission, driveline, or axles), it shall be road tested in accordance with 6.19.10.2 through 6.19.10.6.

6.19.10.1.1 If the refurbished fire apparatus reuses the original powertrain (engine, transmission, driveline, and axles), the powertrain shall be tested to ensure it meets the requirements of the edition of the NFPA automotive fire apparatus standard in effect at the time of the contract signing for the original manufacture of the apparatus.

6.19.10.1.2 The tests shall be conducted at a location and in a manner that does not violate local, state, or federal traffic laws.

6.19.10.2 The fire apparatus shall be loaded to its estimated in-service weight.

6.19.10.2.1 The tests shall be conducted on dry, level, paved roads that are in good condition.

6.19.10.2.2 The engine shall not be operated in excess of the maximum governed speed.

6.19.10.3 Acceleration tests shall consist of two runs in opposite directions over the same route.

6.19.10.3.1 The vehicle shall attain a speed of 35 mph (55 km/hr) from a standing start within 25 seconds.

6.19.10.3.2 The vehicle shall attain a minimum top speed of not less than 50 mph (80 km/hr).

6.19.10.4 If the fire apparatus is equipped with an auxiliary braking system, the manufacturer shall road test the system to confirm that the system is functioning as intended by the auxiliary braking system manufacturer.

6.19.10.5 If the apparatus is equipped with an air brake system, the service brakes shall bring the apparatus, when loaded to its GVWR, to a complete stop from an initial speed of 20 mph (32.2 km/hr), in a distance not exceeding 35 ft (10.7 m) by actual measurement on a paved, level, dry surface road that is free of loose material, oil, or grease.

6.19.10.6 If the apparatus is equipped with a hydraulic brake system, the service brakes shall bring the apparatus, when loaded to its GVWR, to a complete stop from an initial speed of 30 mph (48.2 km/hr), in a distance not exceeding 88 ft (26.8 m) by actual measurement on a paved, level, dry surface road that is free of loose material, oil, or grease.

6.19.11 Tests on Delivery.

6.19.11.1 If acceptance tests are required at the point of delivery, the purchaser shall specify the details of the tests to be performed and they shall not be performed in a manner that requires the apparatus or a component to operate outside its designed operating range.

6.19.11.2 Aerial device stability tests shall not be run at other than the refurbisher's or the aerial device manufacturer's facility.

6.20 Data Required of the Contractor

6.20.1 If applicable, the contractor shall supply, at the time of delivery, at least one copy of the following:

- (1) Engine manufacturer's certified brake horsepower curve for a new engine installation showing the maximum governed speed
- (2) Contractor's record of fire apparatus refurbishing including, if applicable, all technical information required for inspection to comply with NFPA 1914
- (3) Pump manufacturer's certification of suction capabilities for new pump installations
- (4) Pump manufacturer's certification of hydrostatic test for new pump installations
- (5) Certification of required inspections and tests
- (6) If equipped with a pump, a copy of the chassis manufacturer's approval for stationary pumping applications
- (7) Weight documents from a certified scale showing actual loading on the front axle, rear axle(s), and overall vehicle (with the water tank full but without personnel, equipment, and hose) supplied with the completed vehicle to determine compliance with Section 4.8

6.20.2 A label shall be affixed to the vehicle certifying that the vehicle is in compliance with all applicable Federal Motor Vehicle Safety Standards (FMVSS) in effect at the time of completion.

6.20.3 If the original fire pump is replaced with a new fire pump, a new test plate shall be provided on the pump operator's panel that gives the rated discharges and pressures together with the speed of the engine, as determined by the certification tests required by 6.19.1, the position of the parallel-series pump as used, and the governed speed of the engine as stated by the engine manufacturer on a certified brake horsepower curve.

6.20.3.1 The test plate shall be stamped with complete information at the contractor's facility and attached to the vehicle prior to delivery.

Annex A Explanatory Material

Annex A is not a part of the requirements of this NFPA document but is included for informational purposes only. This annex contains explanatory material, numbered to correspond with the applicable text paragraphs.

A.1.1 This document is designed to be used to aid in developing specifications for the refurbishing of fire apparatus. It is the intent of this standard to ensure that refurbished fire apparatus meet all applicable federal motor vehicle regulations as well as the applicable portions of NFPA 1901 or NFPA 1906, whichever is applicable.

This standard will do the following:

- (1) Identify minimum levels of refurbishing
- (2) Establish minimum requirements for inspection and/or replacement of all vehicle components
- (3) Create informational checklists that will identify areas on the vehicle that should be addressed when considering refurbishing
- (4) Create a guideline for any personnel engaged in preparing specifications for fire department or municipal agency emergency vehicle refurbishing

A.1.5 Metric units of measurement in this standard are in accordance with the modernized metric system known as the International System of Units (SI). The liter, a unit that is outside of, but recognized by, SI is commonly used in international fire protection. Table A.1.5(a) and Table A.1.5(b) provide conversion factors as an aid to the user. Table A.1.5(c) provides other conversion factors that could be useful to the reader. Table A.1.5(d) provides a list of the abbreviations used in this standard and their meaning.

Table A.1.5(a) Conversion Factors: U.S. Units to SI Units

U.S.	SI
1 gallon per minute (gpm)	3.785 liters per minute (L/min)
1 imperial gallon per minute (igpm)	4.546 liters per minute (L/min)
1 pound per square inch (psi)	6.895 kilopascals (kPa)
1 inch of mercury (in. Hg) at 60°F (15.6°C)	3.376 kilopascals (kPa)
1 inch (in.)	25.40 millimeters (mm)
1 foot (ft)	0.3048 meter (m)
1 cubic foot (ft³)	0.02832 cubic meter (m³)
1 mile per hour (mph)	1.609 kilometer per hour (km/hr)
1 pound (lb)	0.4536 kilogram (kg)
1 footcandle (fc)	10.76 lux (lx)

Table A.1.5(b) Conversion Factors: SI Units to U.S. Units

SI	U.S.
1 liter per minute (L/min)	0.2642 gallon per minute (gpm)
1 liter per minute (L/min)	0.2200 imperial gallon per minute (igpm)
1 kilopascal (kPa)	0.1450 pound per square inch (psi)
1 kilopascal (kPa)	0.2962 inch of mercury (in. Hg) at 60°F (15.6°C)
1 millimeter (mm)	0.03937 inch (in.)
1 meter (m)	3.281 feet (ft)
1 cubic meter (m³)	35.31 cubic feet (ft³)
1 kilometer per hour (km/hr)	0.6214 mile per hour (mph)
1 kilogram (kg)	2.205 pounds (lb)
1 lux (lx)	0.09290 footcandle (fc)

A.3.2.1 Approved. The National Fire Protection Association does not approve, inspect, or certify any installations, procedures, equipment, or materials; nor does it approve or evaluate testing laboratories. In determining the acceptability of installations, procedures, equipment, or materials, the authority having jurisdiction may base acceptance on compliance with NFPA or other appropriate standards. In the absence of such standards, said authority may require evidence of proper installation, procedure, or use. The authority having jurisdiction may also refer to the listings or labeling practices of an organization that is concerned with product evaluations and is thus in a position to determine compliance with appropriate standards for the current production of listed items.

REFIRB INFO



1601 SW 37th Ave
 Ocala, FL 34474
 352-237-2999 fax

FACTORY SERVICE CENTER

Customer: Hightstown Fire Company Date of Quote: 9/15/2014
 Address: 140 N Main St. Quote expires: 10/30/2014
 City: Hightstown State: NJ Zip: 08520
 Contact #: County: Mercer
 Prepared by: Kevin Mcvean SO#: 6812 Dlr: Absolute

Project Summary: Refurbishment of 135' aerial truck

Item#	Description
00-ML	Recycle Platform SO 6812/0-B-2684/0-A-496
1-000-INS	Inbound inspection and pressure wash chassis.
1-10-1	Remove and reinstall radiator. Send out radiator for clean, check, and evaluation. Replace all coolant hoses with premium silicone hoses and constant torque clamps. Replace recirculation shields as needed.
1-10-2	Replace fuel system hoses, reprime pump, and fuel sender in tank.
1-10-3	Replace front axle brakes and drums with new. Includes new hub seals and oil.
1-10-4	Replace rear axle brakes and drums. Includes new hub seals and axle lube oil.
1-10-5	Service engine oil and filters. Replace engine drive belts.
1-10-7	Service hydraulic generator. Check settings and adjust as needed. Change oil and filter. Replace hydraulic hoses with new.
1-11-3	Air system upgrade. Includes new AD-9 air dryer, new brake and air system valves, new brake chambers, and new brake hoses. (chambers to valves/bulkheads)
1-11-10	Replace existing front and rear mudflaps with new. Black with E-One logo.
1-12-4	Inspect engine air intake system. Includes a complete physical inspection of all components and replacement of the air filter, and all rubber intake hoses and clamps. Verify proper placement of filter minder.
1-12-5	Inspect all steering components. Replace steering gear (reman), steering wheel, and input shaft boots. Additionally, hoses, fluid, and filter will be replaced with new.
1-12-6	Replace front axle kingpins with new.
1-12-7	Replace draglink ends and tie rod ends with new.
2-000	Remove and reinstall cab for paint and chassis repairs. Cab mounting fasteners and isolators will be replaced with new.
2-13-1	Replace existing gravel shield with new. Includes new center tray with slats and treadplate lid with gas strut. Existing tow hooks will be relocated to below front frame extensions.
2-15-1	Replace both front cab fenderettes with new.
2-17-3	Replace and upgrade all cab interior upholstery, including visors. Color black.
2-17-4	Existing dash will be removed, panels inspected for reuse, and dash will be replaced with new gray ABS dash. Panels will be replaced or refinished as needed. Gauges and switches will be replaced with new. Warning light switches will be relocated to overhead console above driver.

2-17-5	Install new gray ABS overhead dash with (3) panels for switches, radios, etc. One (1) panel above driver's seat position; One (1) above officer's seat position; One (1) center position.
2-17-6	Install a map box between the driver & officer seat, refer to drawing 587020 and paint Zolatone gray.
2-20-1	HVAC upgrade. Replace condensers, inside air handlers, and hoses with new. Compressor will be upgraded to a dual compressor system for increased capacity.
2-20-2	The driver's seat will be replaced with 911 universal air ride suspension seat. Replacement seat will have black I1200 upholstery.
2-20-3	The officer seat will be replaced with 911 universal SCBA seat with Smart Dock SCBA bracket. Replacement seats will have black I1200 upholstery.
2-20-4	The existing rear facing seats will be replaced with 911 non-suspended SCBA seat with Smart Dock SCBA bracket. Replacement seats will have black I1200 upholstery.
2-20-5	The existing rear wall fold down jump seats will be replaced with new cushions and fold down seat brackets. Replacement cushions will have black I1200 upholstery.
2-20-6	Replace existing seatbelts with 3-point high visibility red. (includes receivers)
2-25-1	Rebuild existing cab doors- Replace all door latches, handles, and window regulators, interior door panels, and lower interior door panels with smooth aluminum for application of chevron striping.
2-25-2	Replace cab engine insulation (exterior) with new current production rigid non-foil design. Install additional weld studs to secure insulation.
2-25-4	Relocate air horns from cab roof to through bumper mounted. Install foot switch controls on driver's and officer's side floor.
3-000	Remove and reinstall body for paint and chassis repairs. Cab mounting fasteners and isolators will be replaced with new.
3-10-1	Overlay rear body to eliminate aluminum treadplate for rear body chevron.
3-10-2	Replace rear aerial access steps with new gator grip design meeting NFPA slip resistance standards.
3-10-3	Replace tail board with new gator grip design meeting NFPA slip resistance standards. New tailboard will incorporate (2) pull out flop down steps.
3-10-4	Replace pump running boards with new gator grip design meeting NFPA slip resistance standards.
3-10-5	Replace existing pump panel slideout step with rollerless style step. (1) on each side of pump module. New step will have gator grip surface meeting NFPA slip resistance
3-12-1	Upgrade body doors. Includes new door latches and holds will be replaced with new gas struts.
3-12-2	Install (4) adjustable body compartment shelves. Specific locations TBD.
3-12-3	Install new vinyl cover for ladder tunnel. Color TBD.
3-22-1	Install low profile cord reel with 200' 10/3 yellow cable. Includes electric rewind switch. Location TBD. Aluminum treadplate cover with rollers for payout of electric cable. Reel will be mounted above L5 compartment.
3-22-2	Install low profile cord reel with 200' 10/3 yellow cable. Includes electric rewind switch. Location TBD. Aluminum treadplate cover with rollers for payout of electric cable. Reel will be mounted above R5 compartment.
4-00-1	Hale 2.1A FoamLogix direct injection foam system. Foam system plumbed to both crosslay discharges.
4-00-2	20 gallon external foam tank. Locate in storage pan.

4-00-3	Foam tank gauge-IC 10-LED SL series gauge package.
4-00-4	The foam system performance shall be tested and certified in compliance with 2009 NFPA 1901.
4-10-3	Replace existing discharge gauges with new. Includes master gauges.
4-10-4	Replace existing water tank gauge with new IC 10-LED SL series gauge package.
4-11-2	Replace pump panels with new. Left side gauge panel will be hinged for lift up panel to access pump area. Right side lower panel will be vertically hinged for access inside the pump module area.
4-20-1	Rebuild existing QSMG pump. Includes replacement of impeller shaft assembly kit, shift cylinder seal kit, cab shifter, and bearing/seal kit for pump transmission.
4-20-2	Rebuild Akron intake/discharge ball valves. HD 8800 series
4-20-3	Replace existing electric primer with new Trident 3-barrel air primer.
4-20-4	Replace all bleeders and all snubber valves with new. Bleeders will be replaced with new.
4-20-5	Replace existing master drain with new.
4-20-6	Install zinc pump anodes- (1) intake side, (1) discharge side.
4-20-7	Replace all steel fire pump plumbing with stainless steel. Includes waterway bypass around torque box. Discharge valve flanges will be Elkhart Unibody (weld- on)
4-25-1	In-service NFPA pump test.
5-000	Perform electrical system inspection. Replace/repair any damaged wiring, connections and switches. Replace all door ajar switches with new.
5-10-2	Replace batteries, battery cables and battery hold downs. Additionally, the main power mag switches will be changed and a fusible link will be added for main power circuit protection. A replacement main fuse will be provided.
5-16-1	Replace existing cab/body electrical receptacles (4) with new. Includes new covers and boxes as needed.
5-20-2	Install 2 - 2" LED amber & red warning lights under overhead console for door ajar & jacks down.
5-20-3	Federal Quadraflare LED rear tail light package. Includes pair of stop/tail, populated arrow turn, and reverse lights mounted in 4V housings.
5-20-4	Federal Quadraflare 64 series red LED lights (pair) on rear of body mounted in 4V housings.
5-20-5	Replace existing rear beacons with new red Federal MicroEscape beacons.
5-20-6	Fabricate (2) light boxes for the mounting of Whelen Pioneer PFA1AC series 120 VAC LED flood lights. Locate top of body above L-3/R-3 compartments.
5-25-1	Install Amdor LED strip lighting in body compartments. 2 strip lights in each compartment with vertically hinged doors, except rear beavertail compartments, these will get single strip lights at the hinged side of the door opening. All compartments with horizontally hinged doors will get a single strip at the upper portion of the hinged door.
5-42-1	Install Whelen Pioneer Series 12V LED PFA1 forward facing cab brow lights. The brow lights will be single switched in overhead console.
5-42-2	Install Whelen Pioneer Plus (PFA2) 12VDC flood lights with brow mount (pair) mounted above crew doors.
5-42-3	Replace existing pole lights on pump module with new Whelen Pioneer Plus (PFP2AC) 120VDC flood lights (pair) on pull up poles.

5-42-4	Remove existing Unity rear spot/flood lights and replace with Whelen PAR-36 Super LED floodlights with remote 3-way switches at rear of body. Note: Activate with switch in cab, switch at rear body and in reverse.
5-55-1	Dome light package- Whelen 6" round LED.
5-55-2	Ground light package- EON LED large body.
5-55-3	Step light package- EON LED large body.
5-55-4	New LED pump panel lighting.
5-58-1	Battery charger E-ONE LPC 40. 120 volt inlet, 40 amp output. Location TBD.
5-58-2	Auto-Eject receptacle inlet 20 amp located driver's door step area with a Yellow cover.
5-58-3	Auto-Eject air inlet receptacle located driver's door step area adjacent to electric receptacle with a Red cover.
6-00-1	An aerial upgrade will be performed according to the following specification. Prior to disassembly the ladder sections will be tested to ensure hardness and twist are within tolerance. Vertical bearing clearance will be checked to verify it is within tolerance. The aerial will be removed and disassembled.
	***Breathing Air System- All hoses, regulator(s), filter(s), switches, guides, alarm, and any decals will be replaced. Cylinder(s) will be removed, tested and painted body color-red.
	***Hydraulics- All aerial hydraulic cylinders will be removed and replaced with new cylinders; the cylinders shall be painted (body color-red) before installation. All hydraulic hoses located in the base section and turntable shall be replaced with new. New current design aerial control valves will be installed. The hydraulic pump and emergency pump(s) will be replaced. All hydraulic fluids and filters will be replaced with new.
	***Electrical- All wiring harnesses from the turntable to the tip of the fly or platform will be replaced with new. Any OE lighting will be replaced with new (current design). FRC ACT 3-way intercom providing communication between ladder tip, turntable control and pump operator stations will be installed. Switches, sensors, and hourmeter will be replaced with new.
	***Extension System- The trolley system will be inspected for proper operation lubricated and adjusted as required. All cables, cable wear pads, load transfer pads, sheave wheel bearings, and pins will be replaced.
	***Ladder- Ladder sections will be stripped and inspected. Minor repairs to sections will be made. Sections will be acid washed and re-swirled. New heat strips will be applied as needed.
	***Turntable/Rotation System- The rotation bearing and gears shall be inspected for proper operation lubricated and adjusted as required. The bearing seal will be replaced if needed. The rotation drive shall be inspected for proper operation, oil will be drained and refilled with new oil per specifications. Idler gear bushing/pin inspected and replaced if needed. Any Hydromotion or Amity swivel will be replaced with new. All spherical bearings will be replaced on turntable and ladder. The control console located on the turntable shall be removed and replaced with a new console including current production style controls and valves. The base section aerial mounting weldment and turntable shall be inspected and painted. Steps, Gatorgrip and trim will be replaced with new.

	<p>***Waterway- The upper and lower waterway will be replaced, if applicable, with current production style. Waterway drain valve and relief valve will be replaced. The existing monitor will be replaced with a new OE monitor. Electric monitor controls and battery will be replaced with new.</p>
6-10-1	<p>The jackleg system will be disassembled and inspected. A four (4) jackleg system upgrade will be performed according to the following specification. All hydraulic jack leg cylinders will be removed and replaced with current production style cylinders; the cylinders will be painted before installation. All jack leg pins, bushings and bearings will be replaced. The existing jack leg weldment(s) will be modified as required for the installation of a new electric over hydraulic jack deployment control system. The jackleg weldment(s) will be sandblasted and re-painted. New nylatron and bronze pads will be installed in each jack leg assembly. A new electric over hydraulic jack deployment system will be installed. The new system will allow for the individual operation of each jack leg for deployment. The control of each jack leg shall be done by an electric switch mounted at the rear of the vehicle. The existing chassis hydraulic system will be removed and a new system that will include all required electrical harnesses, valves, and hydraulic lines. The hydraulic reservoir will be drained and thoroughly flushed and new ball valves installed. New hydraulic fluid and filters installed. New jack leg covers (smooth aluminum) and warning lights (LED) shall be installed. The jack leg system will then be reassembled, reinstalled onto the chassis and proper adjustments made. Jacklegs will be striped with chevron reflective striping to match the rear body. The reflective tape will be visible from the front and rear of the unit. The unit will be third party tested and certified to the standard that was in affect at the time the unit was originally manufactured.</p>
	<p>Note: Jackleg controls will include lighted guards.</p>
8-00-1	<p>Note: Paint samples will be provided to customer for approval prior to cab/body refinish.</p>
8-10-1	<p>Replace all warning tags and logos.</p>
8-20-1	<p>Strip cab exterior for refinish. Paint cab to match 93-2564H red. Refinish cab door window frames. Includes replacement of all window rubber, door rubber, grille isolator rubber, grabhandle rubber isolators (as needed). Cab rear wall exterior will be refinished in gray Zolatone.</p>
8-20-2	<p>Strip body exterior for refinish. Paint body to match 93-2564H red. Includes replacement of all, drip rail extrusion, rubrail extrusion (with end caps).</p>
8-22-1	<p>Blast torque box chassis as needed and repaint chassis black.</p>
8-24-1	<p>Strip cab interior and prep interior for refinish with gray Zolatone</p>
8-80-1	<p>Chevron 'A' striping (Diamond Grade) on lower cab door panels. Colors to be fluorescent lime yellow/red.</p>
8-80-2	<p>Chevron 'A' striping (Diamond Grade) rear of body. Colors to be fluorescent lime yellow/red.</p>
8-85-1	<p>Polish all remaining diamond plate; including fenders & mirrors.</p>
8-90-1	<p>Replace all tags, logos, & warning labels with current production.</p>
9-10-0	<p>Pre-build and final inspections in Ocala, FL for (3) fire department personnel.</p>
Y50	<p>Round trip drive away transportation to Ocala, FL.</p>

OPT-1	Perform in-frame overhaul for 8V92 engine (ser# 8VF129027). Includes replacement of cylinder kits, cylinder head, crankshaft bearings, injectors, turbocharger, blower, ECU, harnesses, sensors, connecting rods, air compressor, fuel hoses, water pump, fuel pump, fluids and filters. \$30,511.00
OPT-2	R&R transmission for remanufactured - HT750 (ser# 2510126163). Includes new Transynd synthetic transmission oil. Transmission carries 2-year limited warranty. \$7,632.00
OPT-3	Install Jacobs engine brake system for Detroit 8V92 engine. Includes new valve covers. \$6,735.00
OPT-4	Extinguisher tube (pair) in front bumper extension. Location: (location to be specified). \$1526.00
OPT-5	Install a Zone Defense back-up camera system with 7" LCD (quad) monitor and weather resistant color camera with built in microphone. Monitor location TBD. \$2,130.00
OPT-6	Luma-Bar Pathfinder LED strip lighting will be installed on both sides inside of the ladder sections illuminating the climbing area of the ladder. Color TBD. \$9,100.00
OPT-7	Rear ladder tunnel doors. Vertically hinged smooth plate aluminum. Doors to hinge on outboard sides and latch in the middle. D-ring to be on right hand "primary" door. \$680.00
OPT-8	95 GPM Elkhart Foam Eductor in place of Hale FoamLogix system. -\$4,602.00
	Note: Graphics- striping/lettering to match current design. Customer apply.
Total Cost: \$464,939.00	
<p>***ON UNITS WITH FOAM TANKS; ALL FOAM MUST BE REMOVED AND THE SYSTEM FLUSHED PRIOR TO SHIPMENT TO E-ONE. IF THIS IS NOT DONE, WE WILL DISPOSE OF THE FOAM AND AN ADDITIONAL HAZARDOUS WASTE DISPOSAL CHARGE SHALL BE APPLIED TO YOUR ORDER BASED ON ENVIRONMENTAL REQUIREMENTS.</p> <p>This is an estimate of repairs only. E-ONE Inc. reserves the right to submit for additional parts and labor charges should it be required during the actual repair process due to hidden or unforeseen damage. All parts removed become the property of E-One (unless mutually agreed upon in writing, in advance) and any trade in value has been taken into consideration and is included in the quoted or bid price.</p> <p>Paint repairs to the unit may not be an exact match based on age, condition of the unit and changes in paint manufacturers.</p> <p style="text-align: center;">Payment terms for all repair work: COD-Balance paid in full prior to shipment.</p> <p style="text-align: center;">Delivery terms for all repair work: FOB Ocala.</p> <p style="text-align: center;">Quotation validity: 45 calendar days from date quoted.</p> <p>I hereby authorize the above repair work to be performed along with the necessary materials, and hereby authorize E-ONE Inc. and it's employees permission to operate my apparatus herein on the streets, highways or elsewhere for the purpose of testing and/ or inspection. An express mechanic's lien is hereby acknowledged on the above apparatus to secure the amount of repairs.</p>	
Printed Name:	Signature:

Fire Apparatus Order Detail:

DEMO - AS 15 - WITH HOBT MODIFICATIONS

Quotation Number: 57854 Shop Order Number: 138137

Customer Number: 900898
E-ONE, INC

Dealer Number:

900098
E-ONE, INC

Model No: AERM-CYC2-137L

1601 SW 37TH AVENUE
OCALA, FL 34474

1601 SW 37TH AVENUE
OCALA, FL 34474

Salescode

Extended Description

Qty

TESTING COMPLIANCE STANDARD

1001-0015 The E-ONE supplied components of the vehicle shall meet the requirements of NFPA 1901, 2009 edition. 1

INSPECTIONS AND PENALTIES

1002-0001 Final inspection trip. 1

AXLE OPTIONS

1025-0013 Meritor FL943 front axle 21,500 lbs. 1

1025-0023 Meritor RT-80-160 rear tandem axle 54,000 lb. capacity. 1

1025-0028 Koni shock absorbers for front axle - adjustable. 1

WHEEL OPTIONS

1050-0007 Front axle wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center cap with E-ONE logo. Note: Center cap will have an inspection port IPO a logo if equipped with Stemco oil seals. 1

1050-0009 Rear axle (tandem) wheel trim kit. Includes stainless steel lug nut covers (chrome plated plastic if applicable) and center caps with E-ONE logo. E-ONE custom chassis w/steel wheels will have chrome plated plastic lug covers. 1

1050-0044 Accuride aluminum wheels for front axle (2). 1

1050-0046 Accuride aluminum wheels for rear axles (8). 1

TIRE OPTIONS

1060-0008 Eight Michelin 12R tires model XZE for rear axles 1

1060-0046 Two Michelin 425 tires model XFE for front axle. 1

1060-0050	Tire pressure monitoring valve stem caps.	1
SUSPENSIONS		
1070-0002	Rear suspension springs rated equal to the capacity of the axles.	1
BRAKE SYSTEMS		
1100-0001	Meritor EX225H 17" disc brakes for front axle.	1
1100-0006	Parking brake release mounted on the driver's side lower dash.	1
1100-0008	Brake system air 6X4.	1
1100-0014	AvimMeritor 16-1/2" X 7" S-cam brakes with cast brake drums for a tandem rear axle.	1
1100-0026	G4 Electronic Stability Control (6x4), Includes RSC and ATC. Not available on 6x6 or commercial chassis.	1
AIR SYSTEM OPTIONS		
1110-0000-001	Inlet for air system. Location: driver door jamb.	1
1110-0002	Air dryer Bendix AD-9.	1
1110-0006	Air lines nylon.	1
1110-0026	Air horns recessed in bumper (PR).	1
SECONDARY BRAKING		
1125-0002	Jacobs engine compression brake.	1
BUMPER TRAYS		
1150-0055	Hinged diamond plate lid for center bumper tray. Includes 1/4 turn latch and gas shock hold open.	1
1150-0120	Bumper tray center of bumper with slats 12 inches deep (approx 11 inches to slats).	1
BUMPERS		
1160-0000	Bumper 10" stainless steel.	1
1160-0010	1/8" Front Bumper Gravel Shield.	1
1160-0014	20" Front Bumper Gravel Shield Extension.	1
ENGINES & TRANSMISSIONS		
1200-0017	Push-button transmission shift selector.	1
1200-0021	TransSynd synthetic transmission fluid for EVS 4000.	1
1200-0096	Electronically limited speed to 60 MPH.	1
1200-0140	EngTrans Cummins ISX12 500HP with EVS4000 transmission. 2010 EPA	1

Compliant.

FRAME ASSEMBLY	
1250-0005	Frame - Torque box for tandem axle RM aerial.
FUEL SYSTEMS	
FUEL SYSTEMS	
1350-0004	Fuel system 50 gallon saddle tanks.
1350-0012-670	Fuel shut-off valve. Location: one (1) inlet side of OEM fuel filter.
1350-0022	Fuel line hose rubber.
BATTERIES	
1400-0032	Battery five group 31 1000 CCA (two left / three right). For use with below cab DEF tank only.
SEATS	
1510-0003	Seats, Inc. brand 911 cab seats.
1510-0008	Seat color gray.
1510-0038	Driver seat 911 air ride.
1510-0042	Officer seat to be 911 fixed SCBA.
1510-0050	Rear facing 911 seat with SCBA driver's side.
1510-0053	Rear facing 911 seat with SCBA officer's side.
1510-0062	Two man bench centered on rear wall with 911 SCBA backs.
1510-0234	Seat cover material Turnout Tuft.
1685-0033	Seating capacity tag of six occupants.
HVAC	
1515-0018	Air conditioning for the C11 X and Quest with Cummins ISM, ISX or Detroit Diesel Series 60 engine, roof top mounted condenser.
1685-0057	Heaters rear with covers (PR), and front heater with heat to the feet for the driver and officer.
CAB MODEL	
1520-0008	Cyclone II X medium cab with 58" CA
CAB DOOR OPTIONS	
1550-0003	Rear crew cab doors in the medium position.
1550-0005	Driver and officer cab door windows. Include forward vent windows.
1550-0024	All cab doors shall have exterior paddle latches.

1550-0027	Front cab door windows to manually roll down.	1
1550-0038-659	(4) LED cab step area lighting. Locate each light on each cab door in the inboard position. Lights to be switched with door ajar.	1
1550-0069-000-72	Reflective Yellow/Red 3M Diamond Grade striping positioned in the "A" formation located in the lower cab door panels.	1
CAB DOOR OPTIONS		
1550-0072	Cab door panels aluminum painted Zolstone gray.	1
1550-0077	Interior cab door locks - manual. Will be individually actuated from each respective door. Includes barrel style key lock on each exterior cab door.	1
1550-0084	All cab exterior access doors to have 1250 keyed locks.	1
1550-0103	Rear crew cab door windows with rear fixed panel. Includes manual roll-down actuation. For use with paddle style door latching.	1
CAB BADGE PACKAGE		
1610-0000	Cab and body to have applicable E-ONE logos.	1
CAB ROOF TYPE		
1615-0004	Cab roof to be "flat" with trough for waterway. Required with HM100 (with waterway), HP100 (all), CR100/92 Pflrm (SdStckr and W/O/P) or HP100 Pflrm (all).	1
MIRRORS		
1670-0001-274	Ramco 6001FFR mirrors. Remote controlled with top CAS750 convex. Location: mounted on front corners of cab.	1
1670-0013	Both cab mirrors to be heated.	1
MISC EXTERIOR CAB OPTIONS		
1550-0009	Fixed rear cab wall narrow windows (pr).	1
1550-0020	Windows cab side fixed driver's side.	1
1550-0033	Windows cab side fixed officer's side.	1
1675-0022	Pair of 18" handrails located just behind driver and officer front door one each side.	1
1675-0023	Pair of 18" handrails located just behind driver and officer rear door (ALS doors if equipped) one each side.	1
1675-0030	Mud flaps, front, black with E-ONE logo.	1
1675-0047	Rear cab wall to be 3/16" aluminum diamond plate.	1
CHASSIS OPTIONS		
1680-0005	Thermatic fan clutch.	1

1680-0007	Drivelines 1810. Required on 1550 lb/ft torque engines.	1
1680-0008	Tow eyes front painted below bumper/cab (PPR).	1
1680-0012	Tow eyes rear frame painted.	1
1680-0017	Hotshift PTO.	1
1680-0145-M58	Diesel Exhaust Fluid (DEF) 5 gallon tank. Location: left side below rear of cab.	1
MISC INTERIOR CAB OPTIONS		
1680-0054	Cab floor modification - box type. Located in center rear floor behind engine cover. Top of box to be covered with floor matting.	1
1685-0000	Cab interior gray. Does not include engine cover or seat color.	1
1685-0005	Lexan sun visors, driver and officer's side overhead.	1
1685-0008	Control lanyard Y type for air horns.	1
1685-0161	Severe duty dash package. Includes smooth plate alum center and officer side dash painted to match cab interior and lower dia pit kick panels.	1
1685-0187	Severe duty engine cover, molded polyurethane.	1
ALTERNATOR		
1700-0019	Alternator Niehoff 360 amp (360 amp SAE/320 N-PA rating). Available only on ISX12.	1
CAB ELECTRICAL OPTIONS		
1750-0013-172	Turn signal Whelen 600 LED amber arrow pair located upper headlight bezel.	1
1750-0029	Switch horn button two position DOT/air horn.	1
1750-0046-195	Cab Headlights. Position: lower.	1
1750-0059-179-04	Receptacle inlet 20 amp with a Yellow cover. Location: outside driver's door next to handrail.	1
1750-0072-592	12 VDC (or 24VDC) electrical outlet in the cab wired battery hot. Location: driver side dash.	1
1750-0075	English dominant main cab gauge cluster.	1
1750-0158	Dome Lts Red/White LED. Package includes two lights mounted in the front and two mounted in the rear of the cab. White light wired through door and light assembly switch. Red light through light assembly switch.	1
1750-0188	DPF regeneration override switch.	1
1750-0198-A31	Battery charger to be located behind driver's seat.	1
1750-0344	Battery charger E-ONE LPC 40. 120 volt inlet, 40 amp output.	1
COOLING PACKAGE		
1800-0013	Cooling system for use with Cyclone II X, Typhoon X, and Quest chassis. For use	1

with 2010/2013 EPA engines. Includes coolant recovery system.

BODY SPEC

3090-0000 Body Specs - SideStacker aerial with tandem axle. Includes left rear staircase with pocket style drop down step.

BODY COMPT REAR

BODY COMPT REAR

3110-0058 Rear of body to have flush un-painted smooth plate body panels to facilitate rear body striping.

PUMP PANELS

3134-0019 The driver and officer side pump panels are to be painted Zolatone black.

3134-0064 The gauge panel(s) on the driver side of the Side Mount module to be hinged upward. Panel(s) to include (2) mechanical/pneumatic (as applicable to panel size) hold opens and latches.

3134-0100 Officer side, upper pump access panel to be horizontally hinged with diamond plate door. Includes (2) push button latches and (1) hold open device.

PUMP MODULE OPTIONS

3136-0000-202 Air horn switch at pump panel. Switch to be labeled "Evacuation Alert". Location: driver side pump panel.

DOORS

3300-0007-017 Door single vertically hinged painted. Location(s): R3

3300-0011-005 Door single horizontally hinged lift-up painted. Location(s): L3

3300-0011-006 Door single horizontally hinged lift-up painted. Location(s): L4

3300-0021-007 Door roll up short (up to 45") with painted finish ROM. Location(s): L5.

3300-0022-003 Door roll up tall (greater than 45") with painted finish ROM. Location(s): L1.

3300-0022-004 Door roll up tall (greater than 45") with painted finish ROM. Location(s): L2.

3300-0022-008 Door roll up tall (greater than 45") with painted finish ROM. Location(s): L6.

3300-0022-015 Door roll up tall (greater than 45") with painted finish ROM. Location(s): R1.

3300-0022-016 Door roll up tall (greater than 45") with painted finish ROM. Location(s): R2.

3300-0164-018 Door double vertically hinged w/rotary latches - painted. Location(s): R4

COVERS

3305-0001 Cover aluminum (2) piece with recessed handles, SideStacker. Note: This option effects hose bed capacity.

3305-0008-000-13 Vinyl Black crosslay cover with attached side flaps.

3305-0022-000-13	Vinyl rear cover for diamond plate hose bed cover. Color: Black.	1
AERIAL BODY OPTIONS		
3310-0003	Compartments driver side CR100/CR137/95 platform SideStacker with 300g tank. Includes rescue style extended height compartments.	1
AERIAL BODY OPTIONS		
3310-0014	Compartments officer side CR100/CR137/95 platform SideStacker with 300g tank. Includes rescue style extended height compartments ahead of wheel well with extended hosebed.	1
3310-0032	Recessed tubes for (6) pike poles. Not available on HP75 SideStacker.	1
3310-0036	Rollup rear ladder compartment door with satin finish for SideStacker aerial. Includes hinged ladder retention plate.	1
3310-0049	Auxiliary jack pad 24X24 (4) with side mounted handles. Includes welded mounting brackets.	1
3310-0050	Crosslay triple 5.5" wide single stack to hold up to 200' of 2.0" DJ (each) or 150'-200' 2.5" DJ (each). Includes storage pan to rear of crosslays	1
3310-0162	Jack leg opening covers diamond plate (4) sets. Includes diamond plate outrigger covers and fixed diamond plate filler panels. HM100/110 requires surface mount warning lights.	1
SCBA BOTTLE STORAGE		
3320-0009	SCBA Bottle Storage. (8) Cast Product SCBA bottle storage with gasketed doors. (4) each side in rear wheel well area.	1
HANDRAILS / STEPS		
3330-0002-050	Slide-out platform, rollerless. Includes chrome grab handle centered on the front face of the platform (includes hand rail as applicable). Located below driver side pump panel.	1
3330-0004	Slideout platform-recessed rear. Located below hosebed. Includes a handrail below hosebed. Requires extended hosebed on HP100, CR100, and 92 Pktrfm SideStacker bodies.	1
3330-0115	Intermediate pump panel step officer side with forward tapered corner. Includes (2) lower and (1) upper dual LED lighted CPL folding step and a minimum of (1) handrail as req to meet NFPA. Step lights to be switched thru work light in cab.	1
MISC BODY OPTIONS		
3090-0001	Hose bed capacity aerial. Provide standard size hose bed.	1
3090-0003	The unit has an overall height restriction. The height is not to be exceeded (unloaded height). 11ft. 11in.	1
3090-0004	The unit has no overall length restrictions.	1

3340-0077	Body compartment Interiors to have Zolatone gray finish. To include pan of hinged doors (as applicable). Does not include floors if they are dia plt.	1
3340-0093	Mud flaps, rear, black with E-ONE logo.	1
3340-0107	Diamond plate tandem axle wheel well. Includes bolt-on composite wheel well liners and fenderettes.	1
MISC BODY OPTIONS		
3340-0270	The painted aerial body side panels shall be smooth / flush. Applies to SideStacker HB side, panels next to water tank on MM, and upper body sides on RLP.	1
LADDER STORAGE / RACKS		
3365-0013-607	Center mounted ladder tunnel. Ladder rack to hold: (2) PEL-35, PEL-28, PEL-24, PRL-20, PRL-16 and FL-10 (with rubber block feet).	1
PUMPS		
4005-0016	Hale QMAX 1000-2250 GPM single stage pump.	1
4005-0033	Rating 2000 GPM	1
WATER TANK		
4010-0195	300 gallon "T" water tank. UPF Poly III blue fill tower.	1
PUMP OPTIONS		
4015-0007	Pump cooler, 1/4" valve with 3/8" tubing.	1
4015-0022	Mechanical pump seal - Hale.	1
4015-0053-198	Steamers to be Flush + 1". Location: driver's side.	1
4015-0053-199	Steamers to be Flush + 1". Location: officer's side.	1
4015-0073	Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location rearward below running board on driver side or L1 compartment.	1
DISCHARGES AND PRECONNECTS		
4415-0008	1.5" front bumper discharge Akron manual valve.	1
4415-0012-654	1.5" crosslay with Akron manual valve. Location: crosslay 1 & 2.	2
4415-0058-655	2.5" Crosslay Akron Manual Valve. Location: crosslay 3.	1
4415-0161-581	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Droop. Location: left side discharge 1.	1
4415-0161-582	2.5" Left Panel Discharge Akron Manual Valve w/30 Degree Droop. Location: left side discharge 2.	1
4415-0164-584	2.5" Right Panel Discharge Akron Manual Valve w/30 Degree Droop. Location:	1

4415-0176-210	right side discharge 2. Brass Swivel in Tray center front bumper for Front Bumper Discharge.	1
4415-0576-583	4" Pump Panel Discharge Akron Electric Valve. (Waterous pumps noted location to be forward lower port.) Location: right side discharge 1.	1
4415-0613	4" waterway discharge with 4" Akron electric valve.	1
DISCHARGE OPTIONS		
4417-0089-349	Lift lever quarter turn bleeder valve. Plumbed for use with: front bumper discharge.	1
4417-0089-359	Lift lever quarter turn bleeder valve. Plumbed for use with: waterway discharge.	1
4417-0089-573	Lift lever quarter turn bleeder valve. Plumbed for use with: crosslay preconnect.	3
4417-0089-575	Lift lever quarter turn bleeder valve. Plumbed for use with: left discharge.	2
4417-0089-576	Lift lever quarter turn bleeder valve. Plumbed for use with: right discharge.	2
GAUGES		
4435-0083	Innovative Controls 10 LED SL series water tank level gauge.	1
4435-0092-349	2.5" Class 1 compound pressure gauge (30-0-400). Discharge: front bumper discharge.	1
4435-0092-352	2.5" Class 1 compound pressure gauge (30-0-400). Discharge: 1.5 in. crosslay preconnect.	2
4435-0092-353	2.5" Class 1 compound pressure gauge (30-0-400). Discharge: 2.5 in. crosslay preconnect.	1
4435-0092-359	2.5" Class 1 compound pressure gauge (30-0-400). Discharge: waterway discharge.	1
4435-0092-581	2.5" Class 1 compound pressure gauge (30-0-400). Discharge: left side discharge 1.	1
4435-0092-582	2.5" Class 1 compound pressure gauge (30-0-400). Discharge: left side discharge 2.	1
4435-0092-583	2.5" Class 1 compound pressure gauge (30-0-400). Discharge: right side discharge 1.	1
4435-0092-584	2.5" Class 1 compound pressure gauge (30-0-400). Discharge: right side discharge 2.	1
4435-0094	Class 1 4-1/2" compound pressure gauge (30-0-400 PSI).	2
INTAKES		
4440-0005	2.5" Left Intake Akron Manual Valve.	1
INTAKE OPTIONS		
4445-0009	Intake relief valve, Akron.	1

TANK PLUMBING		
4450-0010	2" tank fill Akron manual valve.	1
4450-0022	3" tank to pump Akron manual valve.	1
MISC PUMP PANEL OPTIONS		
4460-0003	Pump panel tags color coded per NFPA compliance.	1
MISC PUMP PANEL OPTIONS		
4460-0043	Pump panel tags mechanically fastened with screws.	1
PRESSURE GOVERNORS		
4465-0011	Class 1 TPG pressure governor. Includes, water, oil, volt and tachometer.	1
PUMP CERTIFICATION		
4475-0000	Pump certification 750-2250 GPM	1
ELECTRICAL SYSTEMS		
5010-0024	Modem for use with the E-ONE multiplex electrical system.	1
5010-0039	V-MUX Electrical system for aerials.	1
5010-0049	Vehicle data recorder - 2009 NFPA compliant. Includes occupant detection shown in multiplex display. E-ONE chassis only.	1
5010-0055-649	Vista IV display for V-MUX electrical system. Location: driver's side engine cover.	1
MISC ELECTRICAL		
5110-0017	Back-up alarm 97 dB.	1
ELECTRIC CORD REELS		
5130-0002-389	Cord reel electric with 200' of 10/3 yellow cable. Location(s): pump module storage pan officer side.	1
5130-0022-821	Cord reel rollers mounted through panel. Location(s): officer side pump module in line with reel.	1
5130-0024-203	Electric cord reel rewind switch. Switch located officer side pump panel.	1
DOT LIGHTING		
5150-0010	Whelen 600 series LED horizontal mount tail lights. Includes LED stop/tail, turn and halogen back-up lights. Available on G067, L193 and Q100/114 only. With weatherproof connectors.	1
5150-0017	License plate light LED with chrome housing located at the rear of the body.	1
5150-0026	Marker light LED body/cab package. E-ONE custom cab with aerial ladder, Mid-Mount platform or Bronto bodies only.	1

BREAKER BOXES	
5200-0001-474	Breaker box 12 place single phase. Includes main breaker. Note: If gen is 6KW or less, main will occupy 2 places leaving 10 available. Locate L1 back wall horizontally mounted above offset.
GENERATOR	
GENERATOR	
5250-0038-121	Generator Smart Power 10KW hydraulic model HR-110 (with top mount cooler). Includes generator control / PTO engage switch and a gauge panel located adjacent to breaker box. Generator location: damage pan offset to driver side.
GENERATOR TEST	
5255-0001	3rd party generator test with pump.
LIGHT BARS	
5300-0157-035	Whelen Mini-Freedom LED light bars (PR) model FNMINI 24" with clear lenses and MIKEZ7 mounts. Location: front cab corners at 20 degree angle.
CAMERAS / INTERCOM	
6570-0008	Intercom aerial 2-way. Atkinson Dynamics (Federal). Speaker to be located to rear of platform on Bronto units.
LIGHTS - COMPARTMENT, STEP & GROUND	
5380-0032	Ground light package LED - large.
5380-0036	Step light package body LED - small.
5380-0148	Compartment light package ROM V3 LED for large bodies. Includes one light per compartment (two if transverse).
LIGHTS - DECK AND SCENE	
5390-0007	Deck/scene light circuit wiring through chassis reverse. Requires rear deck or scene light.
5390-0025	Cab scene lights are to be switched with cab doors in addition to standard.
5390-0048-397	Whelen 600 series gradient Super LED scene lights (PR) with weatherproof connectors. Switch in cab (driver and officer side lights switched separately). Locate (1) each side of cab, rearward of forward doors, up high.
5390-0058-444	Deck Light - Truck-Lite LED model 81380 (PR). Location: (1) each side over rear ladder tunnel.
5390-0076	Hose bed light Truck-Lite LED model 81380. Locate at front of hose bed. Switched with work light switch in cab.
5390-0102	Crosslay light Truck-Lite LED model 81380. Locate to rear of crosslay (SM) and

forward of crosslay (TM as applicable); Switched with work light switch in cab.

LIGHTS - NON-WARNING

- 5400-0003 Engine compartment light (EA). 1
- 5400-0010 Incandescent pump compartment light (EA). 1

LIGHTS - NON-WARNING

- 5400-0092 Weldon pump panel LED light package with (3) lights per side pump panel. Pump panels over 45" may require additional lights. Side mount only. 1

LIGHTS - QUARTZ

- 5450-0165-063 Light Whelen Pioneer model PFP2AC 120V with external bottom raise pole mount (ROM model KR-SB-5PFP2AC-W/2-I). Location(s): officer side back of cab. 1

- 5450-0165-064 Light Whelen Pioneer model PFP2AC 120V with external bottom raise pole mount (ROM model KR-SB-5PFP2AC-W/2-I). Location(s): driver side back of cab. 1

RECEPTACLES

- 5470-0001-495 Receptacle twist lock 20A/110V 3 wire NEMA L5-20 with cover plate. Location: driver side rear wheel well offset forward. 1
- 5470-0001-498 Receptacle twist lock 20A/110V 3 wire NEMA L5-20 with cover plate. Location: officer side rear wheel well offset forward. 1

SIRENS

- 5500-0015 Whelen model 295SL SA1 siren with microphone (replaced 295HFSA1). 1
- 5500-0024-170 The electronic siren control is to be located on the center overhead. 1

SPEAKERS

- 5510-0018-209 Whelen SA122FMP electronic siren speaker recessed in front bumper. Location: driver side front bumper. 1

WARNING LIGHT PACKAGES

- 5550-0059-535 Whelen Super LED lower level warning light package. Includes (8) red 600 LED light heads and (2) red 500 LED light heads w/chrome flanges. Locate side facing lights: at forward most position, centered in rear wheel well, and side facing at rear of body in rubrail if equipped. 1

WARNING LIGHTS

- 5600-0078-290-06 Whelen Super LED beacon (PR) model L31H with Red domes. Location above L2/R2 compartments offset rearward to supplement upper rear warnings. 1
- 5600-0078-479-06 Whelen Super LED beacon (PR) model L31H with Red domes. Location rear 1

5600-0099-464	Upper body on aerial style brackets. Warning light Whelen 600 series Super LED (PR) red. Location: (1) each side of cab down low just ahead of rear doors.	1
5600-0105-170	Hazard (door ajar) light 2" LED. Location: center overhead.	1
AERIAL MODEL		
AERIAL MODEL		
6100-0034	Ladder CR137 SideStacker with waterway to 110'. Includes left side console with cover, turnable mansaver bars, split steps at tip and jack leg flood lights.	1
AERIAL HYDRAULIC SYSTEM OPTIONS		
6150-0003-216	Gauge aerial hydraulic oil level. Electronic display to be located on pump operator's panel.	1
MONITORS		
6300-0002	Monitor Akron electric 1000 GPM for ladder. Includes tip and base controls.	1
6300-0017	Monitor painted silver from OEM.	1
WATERWAY OPTIONS		
6350-0005	Rear 4" NST waterway inlet for rear mounted aerials. Includes chrome cap.	1
6350-0010	Flowmeter with single readout and totalizer for the aerial waterway to be located at the aerial control station.	1
6350-0019	2.5" Waterway Class 1 pressure gauge 30-0-400. Locate next to waterway inlet.	1
AERIAL EQUIPMENT		
6500-0011-874	Pike pole tube for 6' pole on ladder. Location: left side tip of base section.	1
6500-0019-138	Axe bracket mounted on aerial. For use with a 6 lb. axe only. Location: left side fly section.	1
AERIAL WARNING LIGHTS		
6550-0002	Outrigger warning lights (4) LED. Truck-like model 91R.	1
6550-0035	**OBS use 6550-0048** Whelen VTC3R Vetex Super-LED lights at ladder tip (PR). Red with clear lenses and chrome bezels. Switched with aerial master.	1
AERIAL LIGHTING		
6560-0029-000-06	Ladder climbing lights Truck-like LED. Lens colors shall be Red.	1
6560-0040-231	Whelen model PSBP12C LED spot light located left side tip.	1
6560-0041	Whelen LED model PFBP12C at base (PR).	1
6560-0064-232	Light Whelen Pioneer Plus PFP1AC. Model KR-SB-6PFP1AC-S. Requires 110 volt twist lock receptacle at tip option. Location(s): right side tip.	1

MISC AERIAL ELECTRICAL

06570-0015 110V/20A twist lock receptacle at tip. 1

AERIAL LADDER BRACKETS

6600-0004-248 Lift out style roof ladder bracket. Locate outside base section for a PRL-14 on left side of base section. Available on 95RM, 110, CR100 and HM100. 1

SIGN PLATES

6750-0002-000-39 Aerial sign plates 22 x 144 (PR). Available on HM100, HM110, 95, CR100 and CR137 only. Does not include lettering. Color: Job Color. 1

AERIAL TESTING

6900-0000 Aerial flow test - 3rd party. 1

6900-0002 Aerial 2009 NFPA Certification. 1

MISC LOOSE EQUIPMENT

7900-0014 DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck. 1

EXTERIOR PAINT

8100-0064 Cab paint break - standard with dip to grille. Break is 31.5" inches below the drip rail on Typhoon X and Cll X cabs. Pre-07" emission Typhoon cab break is 33.5" below the drip rail. 1

8100-0084 All applicable pump/pre-connect application modules are to have a job color finish. Includes upper and lower pump modules, crosswalk module and/or speedlay/pre-connect module (as applicable). Rear mounted body/pump module to be painted job color. 1

8100-0116 Rear body surface to have a sanded finish (not painted job color). Includes hinged doors that do not have discrete sales codes and removable panels. 1

8100-0176-000-17 Paint E-ONE chassis cab - Sikkens paint. Color: FLNA3225E-1 Red. 1

8100-0177-000-18 Paint cab Sikkens two-tone. Upper area of cab to be painted FLNA4006 White. 1

8100-0183-000-17 Paint Body - Large - For Aerials, T/A Tankers/Wetsides, Rear Mounts and Rescues. Sikkens paint. Color: FLNA3225E-1 Red. 1

8100-0354 Paint lift cylinders, extension cylinders and upper turntable steelwork primary job color (does not apply to TT deck). 1

INTERIOR PAINT

8150-0011 The interior of the cab to be painted Zolatorne gray. 1

LETTERING

8200-0085 Demo graphics package - CR137 Ladder. Includes special E-ONE black reflective 1

Mattese cross on front cab doors ("LADDER" in center, E-ONE logo on upper leg, "137" on lower leg - algerian D font); .25" black and .25" white reflective stripes around perimeter of sign plates (overlapping in corners); large E-ONE logo at forward end of sign plates; "CR 137 LADDER" in 16" white reflective lettering (Algerian D font) on sign plates; "WWW.E-ONE.COM" in reflective lettering (Helvetica reverse R font - size to fit) low on rear sides of body (black if on satin roll-up door, white if on painted surface).

STRIPING

8200-0016	White reflective tape on (4) outriggers.	1
8300-0013-334-12	NFPA Scotchlike Stripe - 2" and 4" wide with "Z". Stripe straight on front, sides and rear of cab and body. "Z" location to be specified by customer. 2" above 4" with 1" gap between stripes. Color: White. Location: bottom of stripe flush with top of bumper and straight back.	1
8300-0025-000-13	1/4" Pin stripe above and below existing Scotchlike stripe. Color: Black.	1
8300-0035	Striping Instructions: Locate Z on L2/R2 doors. Striping to be overlapping style when changing direction.	1
8300-0042	White rubrail scotchlike insert.	1
8300-0071-000-13	Paint break Scotchlike chassis stripe - 3/4" Wide - Black. To be located above existing paint; break.	1
8300-0146-000-72	Chevron "A" style 6" 3M "Diamond Grade" striping on rear of body. Includes rear facing extrusions, panels and doors inboard/outboard of the beaverails (if applicable). Colors to be Yellow/Red.	1

GRAPHICS

8400-0000	Vision flags on canopy windows (PR).	1
8400-0022	Logo E-ONE (PR) on aerial lift cylinder. Logo to be black and white reflective material approx 14" long located midway along outward surface of cylinder.	1

WARRANTY / STANDARD & EXTENDED

9100-0000	Standard 1 Year Warranty.	1
9100-0003	Lifetime Frame Warranty.	1
9100-0004	10 Year/100,000 Mile Structural Warranty - Statement of Warranty.	1
9100-0005	10 Year Stainless Steel Plumbing Warranty - Statement of Warranty.	1
9100-0007	20 Year Aerial Device Structural Warranty - Integrity Limited Warranty.	1
9100-0019	10 Year Limited Paint and Perforation Warranty - For Sikkens Paint.	1

SUPPORT, DELIVERY, INSPECTIONS, PPAO

9300-0009	Manuals, Operator and Service CD-ROM.	1
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PPAO -1	Add Shelving, Trays, and Tool Boards	Add an adjustable upper shelf in R1	1
89			
PPAO -2		Add an adjustable upper shelf in L1	1
PPAO -3		Add an adjustable upper shelf in L6	2
PPAO -4		Add an adjustable upper shelf in L6	1
		Add 2 adjustable shelves in R2	1
		Add a Floor Mounted Roll Out Tray in R2	1
		Add a storage package to L2 (2 pull out tool boards, partition with 2 shelves)	1
		Ground Ladders and Pike Poles to match storage in tunnel and on ladder	1
		LDH Elbow and cap for rear inlet and LDH discharge	2
		Add Hale 3.3 FoamLogic system plumbed to 3 crosslays and bumper. Includes 20 gallon foam tank	1
PPAO -5		Repair Cab Top, Red to match, Remove Demo Graphics	1
PPAO -6		Mount Bracket; allowance of \$2500.00	1
PPAO -7		Junction Box and Mount for cord reel	1
PPAO -8		Wheel Chocks, Zico Folding	1
PPAO -9		Zico QLM-U Airpack brackets (installed)	1
PPAO -10		Q Siren, Ped Mount, with 2 foot switches	1
		Reflective striping and Hand Painted Gold Leaf Lettering and Graphics	1
		Delivery Service	1
		Inspection Trip for 3 Department Members	1
		TRIP	1

**ABSOLUTE****FIRE PROTECTION CO., INC.**

Phone: 908-757-3600 Fax: 908-757-3616

2800 Hamilton Boulevard, South Plainfield, NJ 07080

www.absolutefire.com

December 22, 2014

Borough of Hightstown

Attn: Chairman Mike Sheenan
148 North Main Street
Hightstown, New Jersey 08521

Mr. Sheenan,

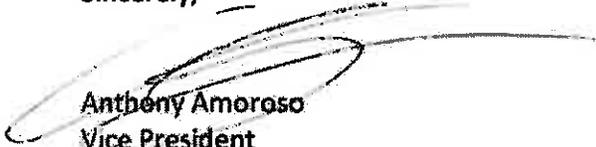
Absolute Fire Protection is pleased to quote you on a Stock E-ONE 137' Aerial Ladder.

The unit is currently at the E-One factory and upon your Purchase Order or contract it will be set to have the changes you asked for completed. After completion we will have you come down for a final inspection. The truck will also have a full chassis PM, pump service and an aerial test.

The price is **\$893,286.00** and is subject to prior sale.

Please contact Chris or myself if you have any questions or concerns.

Sincerely,



Anthony Amoroso
Vice President

Absolute Fire Protection Company, Inc.



ABSOLUTE

FIRE PROTECTION CO., INC.

Phone: 908-757-3600 Fax: 908-757-3616

2800 Hamilton Boulevard, South Plainfield, NJ 07080

www.absolutefire.com

ITEM	QTY	Part No.	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	1	CR137-D	E-One CR137 Ladder Truck SO# 138137	\$ 819,353.00	\$ 819,353.00
2					\$ -
3	1	ADD-FM	Hale 3.3 Foam System Plumbed to 3 crosslays and	\$ 22,000.00	\$ 22,000.00
4			front bumper discharge, with 20 Gallon Foam Cell		\$ -
5	1	MOVE	Move Electric reel	\$ 525.00	\$ 525.00
6	1	EZFILL	Add Hale EZ-Fill Foam refill System, location of port TBD	\$ 3,200.00	\$ 3,200.00
7					\$ -
8	1	PT-LAB	Repaint Cab Top, Red to match lower section	\$ 6,800.00	\$ 6,800.00
9					\$ -
10	1	Z-MNT	Allowance of \$2500.00 for Zico and/or PAC Brand	\$ 2,500.00	\$ 2,500.00
11			tool mounts		\$ -
12	1		Ladders and Pike Poles for full truck storage compliment	\$ 4,890.00	\$ 4,890.00
13	1	ELB	4" x 5" Storz Elbows with Blind caps (LDH Disch, Rear Inlet)	\$ 212.00	\$ 212.00
14	1	JBOX	Junction Box and Mount for cord reel	\$ 700.00	\$ 700.00
15					\$ -
16	1	SAC	Wheel Chocks, Zico Folding	\$ 675.00	\$ 675.00
17					\$ -
18	1	QLM-U	Zico QLM-U Airpack brackets (installed)	\$ 3,508.00	\$ 3,508.00
19	1	HB-DIV	Hosebed divider	\$ 273.00	\$ 273.00
20					\$ -
21	1	LB-B-SIN	Ladder climbing lights Luma-Bar pathfinder (BLUE), one side only	\$ 6,752.00	\$ 6,752.00
22	1	ST-PAC	Shelving and Tray package, See attached List	\$ 5,500.00	\$ 5,500.00
23					\$ -
24	1	MIV-E	Add MIV-E (REF: 4015-0018) to each side (Qty-2)...	\$ 7,198.00	\$ 7,198.00
25			(Requires short steamers and additional panel/esch plate rework)		\$ -
26					\$ -
27	1	TRIP	Inspection Trip at factory for 3 members	\$ 3,000.00	\$ 3,000.00
28					\$ -
29	1	PB	Performance Bond, If required	\$ 6,200.00	\$ 6,200.00
30					\$ -
				TOTAL	\$ 893,286.00



203 E. PARK AVENUE, LIBERTYVILLE, ILLINOIS 60048

847-247-0771

847-247-0772

www.taxexemptleasing.com

October 9, 2014

Borough of Hightstown
Hightstown, New Jersey

I am pleased to provide the following quote for Borough of Hightstown for the financing of a new aerial fire apparatus. This quote is valid for 14 days and is subject to credit review and proper documentation.

Equipment Cost (Approximate):	\$885,000.00		
Down Payment:	\$0.00		
Financed Amount:	\$885,000.00		
Payment Frequency:	Annual, in arrears (first payment due one-year from lease signing)		
Term:	5-years	7-years	10-years
Rate*:	2.68%	2.98%	3.28%
Payment*:	\$191,481.63	\$141,941.07	\$105,236.94
Factor^:	.21636	.16039	.11891

* Rate and payment assumes that the Customer is a tax-exempt entity and the purchase of the equipment falls within the type of equipment allowed as tax-exempt under the I.R.S. Code. In the event this purchase is not exempt, the rate and payments will be adjusted accordingly. Further, it is assumed that the transaction will be "bank-qualified" and that the customer will not issue more than \$10 million in tax-exempt leases or bonds in the current calendar year.

^ Factor is based on quoted rates. If the equipment cost changes or a down payment is made, the new payment amount can be calculated by multiplying the new financed amount by the rate factor.

Note: If the equipment will require a "build-out period", the financed amount will be placed into an escrow account at lease signing and funds disbursed as instructed by the customer.

I have attached an application that must be completed in order to proceed with the credit process. In addition, we will need copies of the Borough's last 2-years of audited financial statements, along with a copy of its current interim financial statement. Once these items are gathered, please fax all of the information to 866-2-FAX-APP (866-232-9277) or e-mail to markz@taxexemptleasing.com.

I appreciate this opportunity and look forward to proceeding. Please let me know if I can answer any questions. I can be reached at 866-EXEMPT-1 (866-393-6781).

Kind Regards,

Mark M. Zaslavsky
President

Proposal Options

Demo 137 Ladder \$875,000.00

New 137 Ladder \$1,020,000.00

Demo HP 100 Ladder \$850,000.00

New HP100 Ladder \$980,000

Hightstown Engine Company

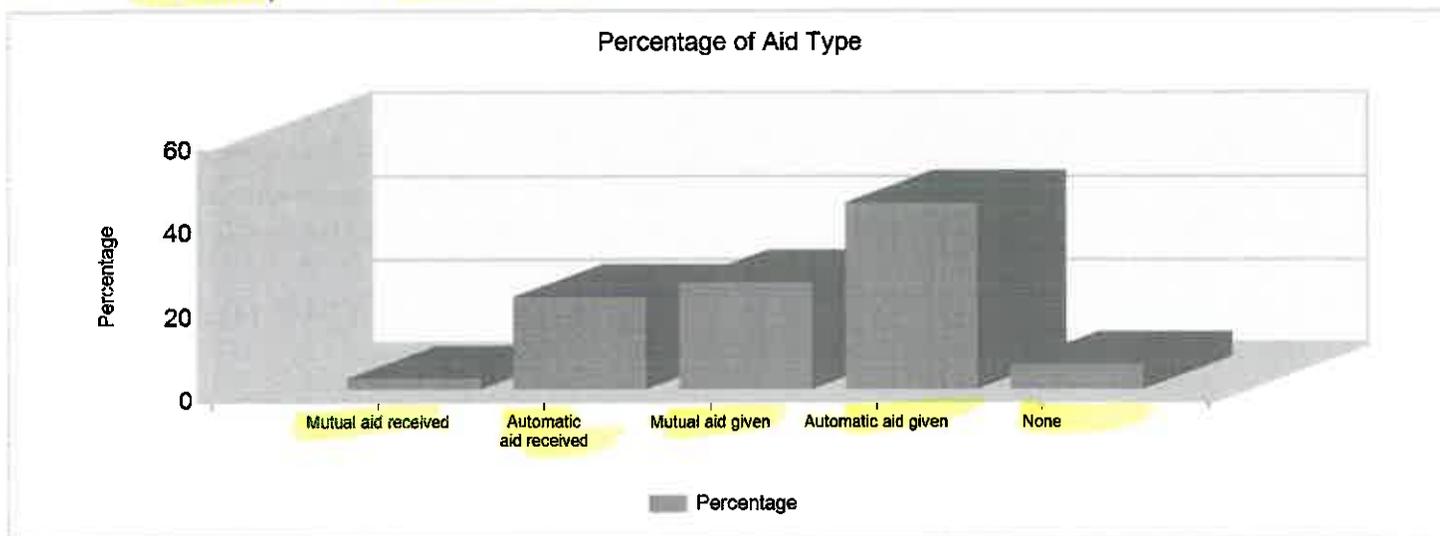
Hightstown, NJ

This report was generated on 12/20/2014 12:52:25 PM



Count of Aid Given and Received for Incidents for Date Range

Start Date: 01/01/2014 | End Date: 12/20/2014



AID TYPE	TOTAL	% of TOTAL
Mutual aid received	15	2.5%
Automatic aid received	133	21.9%
Mutual aid given	154	25.4%
Automatic aid given	270	44.5%
None	35	5.8%

-57 NITD

Only REVIEWED incidents included

Hightstown Engine Company

Hightstown, NJ

This report was generated on 12/20/2014 1:12:29 PM



Mutual or Automatic Aid Received for Date Range

Start Date: 01/01/2014 | End Date: 12/20/2014

INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE
2014-19	1/8/2014 7:04:38 AM	65.7 New Jersey Turnpike	Automatic aid received
2014-21	1/8/2014 12:21:03 PM	170 S Main ST	Mutual aid received
2014-25	1/8/2014 10:20:10 PM	71.9 New Jersey Turnpike	Automatic aid received
2014-32	1/11/2014 9:43:39 PM	71.4 New Jersey Turnpike	Automatic aid received
2014-42	1/17/2014 8:16:16 AM	Maxwell AVE	Mutual aid received
2014-43	1/17/2014 8:50:29 AM	25 Leshin LN	Automatic aid received
2014-46	1/19/2014 9:54:22 AM	Franklin ST	Automatic aid received
2014-52	1/26/2014 12:32:20 PM	27 Huber CT	Mutual aid received
2014-56	1/28/2014 4:56:19 PM	201 S Main ST	Automatic aid received
2014-65	2/3/2014 3:48:57 AM	68.5 New Jersey Turnpike	Automatic aid received
2014-68	2/5/2014 8:50:16 AM	208 Morrison AVE	Mutual aid received
2014-69	2/5/2014 9:15:27 AM	400 Stockton ST	Mutual aid received
2014-70	2/5/2014 9:22:16 AM	101 Main ST	Mutual aid received
2014-73	2/6/2014 5:52:50 AM	71.3 New Jersey Turnpike	Automatic aid received
2014-82	2/12/2014 2:52:42 PM	415 Mercer ST	Automatic aid received
2014-83	2/12/2014 4:20:52 PM	72.0 New Jersey Turnpike	Automatic aid received
2014-84	2/13/2014 1:52:16 PM	64.9 New Jersey Turnpike	Mutual aid received
2014-89	2/16/2014 1:16:16 PM	245 Stockton ST	Automatic aid received
2014-91	2/17/2014 6:27:50 AM	231 Monmouth ST	Automatic aid received
2014-92	2/17/2014 12:44:58 PM	230 Mercer ST	Automatic aid received
2014-93	2/17/2014 7:25:47 PM	139 Center ST	Automatic aid received
2014-94	2/18/2014 8:54:44 AM	68.6 New Jersey Turnpike	Automatic aid received
2014-99	2/19/2014 9:51:17 AM	154 Bank ST	Automatic aid received
2014-106	2/22/2014 8:11:23 AM	Prospect DR	Mutual aid received
2014-110	2/24/2014 7:53:38 PM	141 Lincoln AVE	Automatic aid received
2014-112	2/25/2014 6:43:11 PM	34 Mill Run	Automatic aid received
2014-124	3/4/2014 8:08:28 PM	448 South Main ST	Mutual aid received

Only REVIEWED incidents included



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INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE
2014-125	3/5/2014 6:17:14 AM	69.4 New Jersey Turnpike	Mutual aid received
2014-157	3/26/2014 9:38:55 PM	72.2 New Jersey Turnpike	Automatic aid received
2014-158	3/27/2014 2:11:05 PM	393 Mercer ST	Mutual aid received
2014-164	4/2/2014 8:25:23 AM	201 S Main ST	Automatic aid received
2014-172	4/8/2014 12:38:39 PM	201 South Main ST	Automatic aid received
2014-174	4/8/2014 2:50:01 PM	201 South Main ST	Automatic aid received
2014-176	4/9/2014 1:58:08 AM	68.7 New Jersey Turnpike	Automatic aid received
2014-186	4/12/2014 1:41:00 PM	70.3 New Jersey Turnpike	Automatic aid received
2014-195	4/16/2014 1:39:54 AM	71.7 New Jersey Turnpike	Automatic aid received
2014-198	4/16/2014 8:00:45 PM	10 Hagemount AVE	Automatic aid received
2014-199	4/19/2014 1:39:56 PM	219 Rogers AVE	Mutual aid received
2014-201	4/20/2014 7:05:31 PM	66.3 New Jersey Turnpike	Automatic aid received
2014-207	4/24/2014 11:13:44 PM	71.7 New Jersey Turnpike	Automatic aid received
2014-216	4/28/2014 10:01:49 AM	536 South Main ST	Automatic aid received
2014-222	4/30/2014 3:27:56 PM	66.8 New Jersey Turnpike	Automatic aid received
2014-232	5/4/2014 11:14:50 PM	278 Monmouth ST	Automatic aid received
2014-236	5/6/2014 11:46:03 PM	1 Bank ST	Automatic aid received
2014-239	5/8/2014 11:03:43 PM	9 Westerlia AVE	Automatic aid received
2014-241	5/12/2014 5:24:33 PM	30 Huber CT	Automatic aid received
2014-248	5/16/2014 8:20:46 AM	67.5 New Jersey Turnpike	Automatic aid received
2014-249	5/16/2014 11:45:27 AM	123 Railroad AVE	Automatic aid received
2014-250	5/16/2014 7:40:56 PM	68.1 New Jersey Turnpike	Automatic aid received
2014-251	5/17/2014 2:46:31 AM	68.5 New Jersey Turnpike	Automatic aid received
2014-264	5/28/2014 11:57:12 AM	407 Grant AVE	Automatic aid received
2014-266	5/29/2014 2:53:53 AM	172 Grant AVE	Automatic aid received
2014-269	5/29/2014 10:04:07 PM	70.8 New Jersey Turnpike	Automatic aid received
2014-273	6/1/2014 3:52:25 AM	25 Leshin LN	Automatic aid received
2014-276	6/3/2014 8:26:33 AM	240 Academy ST	Automatic aid received
2014-279	6/4/2014 7:04:22 PM	2 Westerlea AVE	Automatic aid received
2014-281	6/7/2014 1:05:56 AM	71.5 New Jersey Turnpike	Automatic aid received

Only REVIEWED incidents included



INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE
2014-284	6/8/2014 11:08:28 AM	70.8 New Jersey Turnpike	Automatic aid received
2014-285	6/8/2014 12:42:42 PM	71.3 New Jersey Turnpike	Automatic aid received
2014-286	6/8/2014 1:26:24 PM	69.8 New Jersey Turnpike	Automatic aid received
2014-287	6/8/2014 1:37:17 PM	65 New Jersey Turnpike	Automatic aid received
2014-293	6/11/2014 10:50:00 PM	72.2 New Jersey Turnpike	Automatic aid received
2014-304	6/15/2014 1:02:43 AM	504 S Main ST	Automatic aid received
2014-312	6/18/2014 1:55:16 PM	201 S Main ST	Automatic aid received
2014-316	6/20/2014 9:52:39 PM	69.4 New Jersey Turnpike	Mutual aid received
2014-318	6/21/2014 6:25:28 PM	2 Westerlea AVE	Automatic aid received
2014-321	6/23/2014 4:21:08 AM	70.5 New Jersey Turnpike	Automatic aid received
2014-323	6/23/2014 9:16:52 PM	124 Center ST	Automatic aid received
2014-334	6/30/2014 2:38:24 PM	65.7 New Jersey Turnpike	Automatic aid received
2014-336	7/2/2014 5:32:42 PM	318 North Main ST	Automatic aid received
2014-337	7/2/2014 8:31:20 PM	46 Powell CT	Automatic aid received
2014-338	7/3/2014 8:33:26 PM	66.0 New Jersey Turnpike	Automatic aid received
2014-341	7/5/2014 3:08:43 PM	65.7 New Jersey Turnpike	Automatic aid received
2014-347	7/9/2014 5:43:52 AM	44 Dennis CT	Automatic aid received
2014-350	7/11/2014 7:43:49 AM	690 New Jersey Turnpike	Automatic aid received
2014-351	7/12/2014 12:50:22 PM	65.5 New Jersey Turnpike	Automatic aid received
2014-353	7/14/2014 9:03:02 AM	415 Mercer ST	Automatic aid received
2014-357	7/14/2014 9:15:10 PM	Westerlea AVE	Automatic aid received
2014-360	7/15/2014 7:11:53 PM	66.8 N New Jersey Turnpike	Automatic aid received
2014-361	7/15/2014 7:18:16 PM	1 Westerlea AVE	Automatic aid received
2014-367	7/18/2014 2:56:11 PM	64.8 New Jersey Turnpike	Automatic aid received
2014-370	7/19/2014 11:39:18 AM	72.2 New Jersey Turnpike	Automatic aid received
2014-378	7/24/2014 11:50:43 AM	480 Mercer ST	Automatic aid received
2014-380	7/24/2014 8:48:13 PM	68.2 New Jersey Turnpike	Automatic aid received
2014-383	7/26/2014 1:29:25 PM	144 Rogers AVE	Automatic aid received
2014-385	7/27/2014 12:18:42 AM	109 Dutch Neck RD	Automatic aid received

Only REVIEWED incidents included



INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE
2014-387	7/27/2014 3:41:23 PM	MM 68.4 New Jersey TPKE	Automatic aid received
2014-392	7/29/2014 2:12:54 AM	201 South Main ST	Automatic aid received
2014-394	7/30/2014 11:56:38 AM	67.3 New Jersey TPKE	Automatic aid received
2014-400	8/5/2014 6:52:19 PM	201 South Main ST	Automatic aid received
2014-408	8/10/2014 2:59:54 PM	66.5 New Jersey Turnpike	Automatic aid received
2014-410	8/11/2014 10:54:53 AM	70.2 New Jersey Turnpike	Automatic aid received
2014-413	8/13/2014 3:00:33 PM	66.2 New Jersey Turnpike	Automatic aid received
2014-414	8/14/2014 6:34:13 AM	71.0 New Jersey TPKE	Automatic aid received
2014-421	8/20/2014 9:55:25 PM	Monmouth ST	Automatic aid received
2014-422	8/21/2014 7:58:29 AM	201 South Main ST	Automatic aid received
2014-425	8/22/2014 10:22:40 AM	315 Mercer ST	Automatic aid received
2014-432	8/27/2014 8:29:59 AM	1 Farr View DR	Automatic aid received
2014-444	9/2/2014 2:28:29 PM	371 Stockton ST	Automatic aid received
2014-450	9/5/2014 9:55:21 AM	106 First AVE	Automatic aid received
2014-453	9/6/2014 5:14:55 PM	10 Ashton DR	Automatic aid received
2014-458	9/9/2014 4:54:53 AM	69.4 S New Jersey TPKE	Automatic aid received
2014-459	9/9/2014 6:59:29 AM	68.4 S New Jersey TPKE	Automatic aid received
2014-470	9/14/2014 1 56:58 PM	70.1 New Jersey Turnpike	Automatic aid received
2014-474	9/15/2014 10:25:42 AM	480 Mercer ST	Automatic aid received
2014-477	9/16/2014 6:41:45 PM	371 Stockton ST	Automatic aid received
2014-479	9/18/2014 1:25:48 AM	201 South Main ST	Automatic aid received
2014-481	9/20/2014 10:49:15 AM	66.8 N New Jersey TPKE	Automatic aid received
2014-484	9/20/2014 5:27:42 PM	500 Mercer ST	Automatic aid received
2014-494	9/25/2014 7:58:09 PM	145 Railroad AVE	Automatic aid received
2014-497	9/26/2014 6:55:01 PM	398 Stockton ST	Automatic aid received
2014-498	9/26/2014 6:56:53 PM	408 Grant AVE	Automatic aid received
2014-502	9/27/2014 10:54:37 PM	66.2 New Jersey Turnpike	Automatic aid received
2014-504	9/28/2014 5:56:45 PM	327 Lincoln AVE	Mutual aid received
2014-506	9/29/2014 4:15:51 PM	65.5 New Jersey Turnpike	Automatic aid received
2014-509	10/1/2014 7:18:34 AM	South Main Street	Automatic aid received
2014-512	10/2/2014 3:16:42 AM	371 Stockton ST	Automatic aid received
2014-513	10/2/2014 11:18:09 AM	371 Stockton ST	Automatic aid received
2014-514	10/4/2014 10:48:04 PM	71.7 New Jersey Turnpike	Automatic aid received

Only REVIEWED incidents included



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INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE
2014-518	10/7/2014 12:10:50 PM	115 Parkway	Automatic aid received
2014-521	10/8/2014 9:10:52 PM	65.2 New Jersey Turnpike	Automatic aid received
2014-522	10/10/2014 10:22:55 AM	415 S Main ST	Automatic aid received
2014-531	10/14/2014 11:15:22 AM	180 Mill Run CT	Automatic aid received
2014-541	10/21/2014 10:14:47 AM	380 Stockton ST	Automatic aid received
2014-546	10/22/2014 5:04:24 PM	213 Franklin ST	Automatic aid received
2014-548	10/23/2014 8:56:01 PM	144 South ST	Automatic aid received
2014-551	10/24/2014 9:25:55 PM	66.5 New Jersey TPKE	Automatic aid received
2014-553	10/26/2014 2:23:25 AM	72.0 New Jersey Turnpike	Automatic aid received
2014-558	10/29/2014 9:37:08 AM	278 Academy ST	Automatic aid received
2014-560	10/31/2014 8:24:03 AM	278 Academy ST	Automatic aid received
2014-561	10/31/2014 1:04:43 PM	480 Mercer ST	Automatic aid received
2014-568	11/7/2014 10:26:49 AM	25 Leshin LN	Automatic aid received
2014-571	11/9/2014 3:09:02 PM	140 South Main ST	Automatic aid received
2014-572	11/10/2014 3:54:04 PM	Clover LN	Automatic aid received
2014-573	11/10/2014 11:01:39 PM	201 South Main ST	Automatic aid received
2014-575	11/11/2014 12:48:47 PM	Stockton ST	Automatic aid received
2014-577	11/12/2014 4:56:45 PM	100 Broad ST	Automatic aid received
2014-578	11/13/2014 6:32:23 PM	116 Mill Run	Mutual aid received
2014-584	11/18/2014 9:13:39 PM	69.7 N New Jersey TPKE	Automatic aid received
2014-587	11/21/2014 8:09:52 PM	101 North Main ST	Automatic aid received
2014-588	11/22/2014 8:48:18 AM	68.6 New Jersey Turnpike	Automatic aid received
2014-591	11/23/2014 6:11:58 PM	MM 65.1 S NJ TPKE	Automatic aid received
2014-592	11/23/2014 6:17:00 PM	MM 66.3 NJ TPKE	Automatic aid received
2014-596	11/25/2014 10:42:50 AM	21 Rev. Powell DR	Automatic aid received
2014-603	11/29/2014 9:24:11 AM	114 Franklin ST	Automatic aid received
2014-604	11/30/2014 10:26:24 AM	201 South Main ST	Automatic aid received
2014-605	11/30/2014 4:44:36 PM	Railroad AVE	Automatic aid received
2014-607	11/30/2014 11:41:52 PM	130 Mill Run	Automatic aid received

Only REVIEWED incidents included



Hightstown Engine Company

Hightstown, NJ

This report was generated on 12/20/2014 12:59:38 PM



Incident Count per Zone for Apparatus for Date Range

Apparatus: L41 | Start Date: 01/01/2014 | End Date: 12/20/2014

ZONE	# INCIDENTS
APPARATUS: L41	
14 - Hamilton FD	2
17 - Nottingham FD	13
32-1 - Millstone FD	2
40 - Robbinsville FD	22
41 - Hightstown FD	22
42 - East Windsor 1 FD	40
43 - West Windsor FD	5
46 - East Windsor 2 FD	64
48 - Cranbury FD	39
49 - Plainsboro FD	7
60 - Princeton FD	1
82-1 - Allentown FD	5



**EMERGENCY
REPORTING**

emergencyreporting.com

Doc Id: 1305

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Hightstown Engine Company

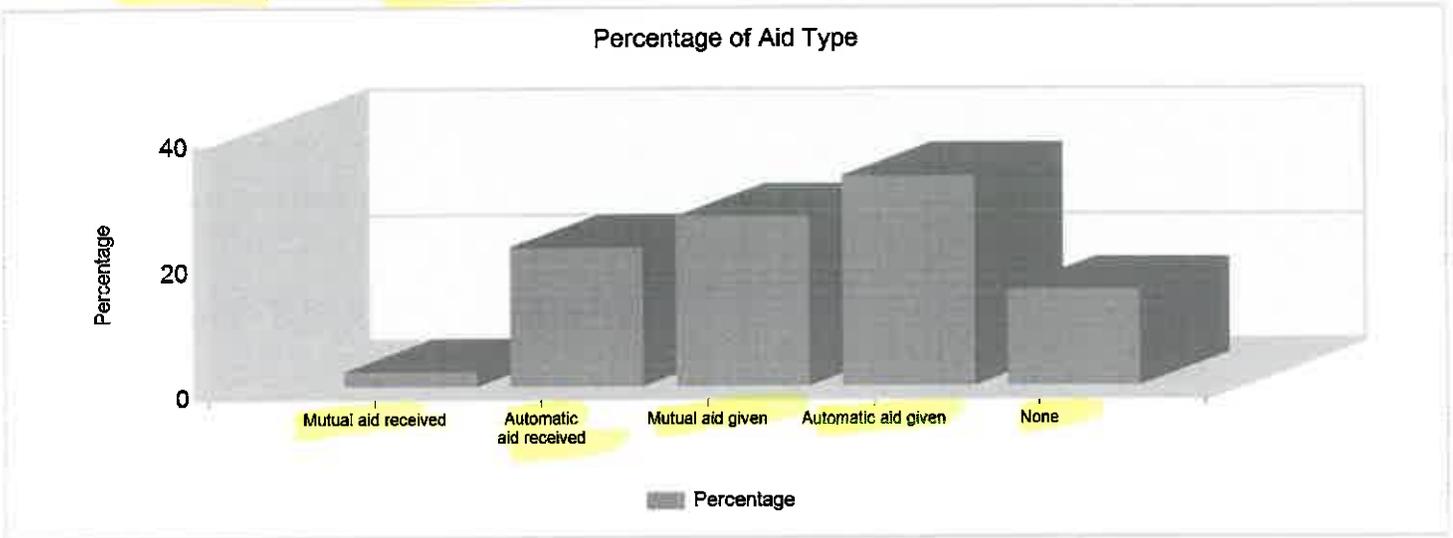
Hightstown, NJ

This report was generated on 12/20/2014 12:53:38 PM



Count of Aid Given and Received for Incidents for Date Range

Start Date: 01/01/2013 | End Date: 12/31/2013



AID TYPE	TOTAL	% of TOTAL
Mutual aid received	12	2.3%
Automatic aid received	113	22.1%
Mutual aid given	138	27.0%
Automatic aid given	171	33.4%
None	78	15.2%

-57 NJTP

Only REVIEWED incidents included

Hightstown Engine Company

Hightstown, NJ

This report was generated on 12/20/2014 1:14:38 PM



Mutual or Automatic Aid Received for Date Range

Start Date: 01/01/2013 | End Date: 12/31/2013

INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE
2013-2	1/1/2013 5:34:09 PM	66.8 New Jersey Turnpike	Automatic aid received
2013-20	1/12/2013 6:50:27 AM	67.0 New Jersey Turnpike	Automatic aid received
2013-24	1/16/2013 6:01:59 PM	71.4 New Jersey Turnpike	Automatic aid received
2013-27	1/17/2013 12:35:05 AM	201 S Main ST	Automatic aid received
2013-29	1/18/2013 5:05:40 PM	201 Glen Brook PL	Automatic aid received
2013-30	1/19/2013 7:32:58 PM	201 S Main ST	Automatic aid received
2013-31	1/20/2013 10:33:54 AM	480 Mercer ST	Automatic aid received
2013-32	1/21/2013 10:16:21 AM	480 Mercer ST	Automatic aid received
2013-39	1/22/2013 1:20:32 PM	480 Mercer ST	Automatic aid received
2013-44	1/24/2013 12:53:47 PM	115 Franklin ST	Automatic aid received
2013-45	1/24/2013 3:45:28 PM	9 Westerla AVE	Automatic aid received
2013-57	1/31/2013 3:23:30 AM	201 S Main ST	Automatic aid received
2013-59	2/1/2013 1:31:12 PM	25 Leshin LN	Automatic aid received
2013-67	2/12/2013 11:07:37 AM	154 Bank ST	Automatic aid received
2013-70	2/14/2013 6:51:13 PM	132 Franklin ST	Mutual aid received
2013-75	2/18/2013 2:43:28 PM	152 Bank ST	Automatic aid received
2013-76	2/19/2013 5:15:31 AM	68.6 New Jersey Turnpike	Automatic aid received
2013-83	2/24/2013 2:07:21 PM	201 S Main ST	Automatic aid received
2013-86	2/25/2013 6:22:36 PM	384 Stockton ST	Automatic aid received
2013-87	2/26/2013 11:58:20 AM	1 Bank ST	Automatic aid received
2013-99	3/6/2013 12:16:22 PM	129 Maxwell AVE	Automatic aid received
2013-101	3/6/2013 2:57:11 PM	25 Leshin LN	Automatic aid received
2013-104	3/9/2013 4:41:18 AM	68.0 New Jersey Turnpike	Automatic aid received
2013-108	3/13/2013 7:31:42 AM	65.2 New Jersey Turnpike	Automatic aid received
2013-110	3/13/2013 10:14:00 AM	158 Academy ST	Automatic aid received
2013-111	3/13/2013 11:57:21 AM	434 Stockton ST	Automatic aid received
2013-113	3/13/2013 4:12:33 PM	25 Leshin LN	Automatic aid received
2013-117	3/18/2013 7:37:14 AM	25 Leshin LN	Automatic aid received

Only REVIEWED incidents included



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INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE
2013-121	3/20/2013 2:18:03 PM	25 Leshin LN	Automatic aid received
2013-128	3/23/2013 1:28:58 PM	68.9 New Jersey Turnpike	Automatic aid received
2013-129	3/29/2013 3:10:07 AM	66.7 New Jersey Turnpike	Automatic aid received
2013-132	3/31/2013 11:30:06 PM	66.2 New Jersey Turnpike	Automatic aid received
2013-134	4/1/2013 3:26:48 PM	25 Leshin LN	Automatic aid received
2013-139	4/7/2013 1:54:07 PM	68.0 New Jersey Turnpike	Automatic aid received
2013-141	4/8/2013 1:41:40 PM	120 Stockton ST	Automatic aid received
2013-142	4/9/2013 10:06:56 AM	384 Stockton ST	Automatic aid received
2013-146	4/11/2013 8:25:39 AM	231 Mercer ST	Automatic aid received
2013-149	4/14/2013 7:31:11 PM	68.2 New Jersey Turnpike	Automatic aid received
2013-162	4/24/2013 4:15:10 PM	68.9 New Jersey Turnpike	Automatic aid received
2013-163	4/25/2013 8:13:16 AM	201 S Main ST	Automatic aid received
2013-165	4/27/2013 5:42:03 AM	66.0 New Jersey Turnpike	Automatic aid received
2013-171	4/29/2013 8:25:33 AM	68.4 New Jersey Turnpike	Automatic aid received
2013-172	4/29/2013 11:27:34 AM	1 Bank ST	Automatic aid received
2013-174	5/2/2013 7:53:56 PM	384 Stockton ST	Automatic aid received
2013-180	5/7/2013 3:04:35 PM	120 Stockton ST	Automatic aid received
2013-182	5/8/2013 11:24:34 AM	154 Bank ST	Automatic aid received
2013-183	5/8/2013 5:27:15 PM	68.4 New Jersey Turnpike	Automatic aid received
2013-184	5/10/2013 4:10:11 PM	68.2 New Jersey Turnpike	Automatic aid received
2013-186	5/14/2013 11:38:53 AM	278 Academy ST	Automatic aid received
2013-188	5/14/2013 4:12:09 PM	325 Franklin ST	Automatic aid received
2013-192	5/18/2013 2:11:10 AM	67.2 New Jersey Turnpike	Automatic aid received
2013-198	5/20/2013 4:34:37 PM	120 Stockton ST	Mutual aid received
2013-202	5/23/2013 6:34:25 PM	67.6 New Jersey Turnpike	Automatic aid received
2013-205	5/24/2013 9:43:43 PM	69.7 New Jersey Turnpike	Automatic aid received
2013-206	5/25/2013 4:10:26 AM	204 Maxwell AVE	Automatic aid received
2013-208	5/30/2013 4:10:47 PM	400 Stockton ST	Automatic aid received
2013-210	6/1/2013 1:26:11 PM	68.8 New Jersey Turnpike	Automatic aid received

Only REVIEWED incidents included



INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE
2013-339	8/25/2013 7:22:52 AM	69.4 New Jersey Turnpike	Automatic aid received
2013-340	8/25/2013 1:35:33 PM	120 Mill Run East	Automatic aid received
2013-354	9/4/2013 8:31:34 AM	120 Main ST	Automatic aid received
2013-357	9/6/2013 11:45:13 AM	117 Dey ST	Automatic aid received
2013-358	9/6/2013 4:11:11 PM	67.8 New Jersey Turnpike	Automatic aid received
2013-361	9/9/2013 12:05:19 PM	201 S Main ST	Automatic aid received
2013-363	9/10/2013 11:15:35 AM	25 Leshin LN	Automatic aid received
2013-378	9/22/2013 2:15:20 AM	70.9 New Jersey Turnpie	Mutual aid received
2013-385	9/23/2013 2:19:23 PM	68.7 New Jersey Turnpike	Automatic aid received
2013-387	9/23/2013 5:49:10 PM	201 S Main ST	Automatic aid received
2013-390	9/24/2013 10:13:26 AM	65.2 New Jersey Turnpike	Automatic aid received
2013-391	9/25/2013 12:16:48 AM	201 S Main ST	Automatic aid received
2013-393	9/25/2013 5:28:31 PM	37 Clover LN	Automatic aid received
2013-395	9/27/2013 12:20:48 AM	25 Leshin LN	Mutual aid received
2013-399	9/29/2013 10:31:38 AM	201 South Main ST	Automatic aid received
2013-400	9/29/2013 7:17:52 PM	201 South Main ST	Automatic aid received
2013-405	10/4/2013 3:29:39 PM	68.9 New Jersey Turnpike	Automatic aid received
2013-417	10/12/2013 12:19:57 PM	71.5 New Jersey Turnpike	Automatic aid received
2013-418	10/12/2013 12:51:47 PM	69.5 New Jersey Turnpike	Automatic aid received
2013-420	10/14/2013 2:02:13 PM	67.0 New Jersey Turnpike	Automatic aid received
2013-423	10/15/2013 4:35:02 PM	202 Morrison AVE	Automatic aid received
2013-434	10/22/2013 1:44:26 PM	415A Mercer ST	Mutual aid received
2013-437	10/23/2013 9:35:09 AM	382 Mercer ST	Mutual aid received
2013-439	10/24/2013 4:55:28 PM	65.5 New Jersey Turnpike	Automatic aid received
2013-441	10/25/2013 2:48:54 PM	65.5 New Jersey Turnpike	Automatic aid received
2013-450	11/2/2013 8:31:01 AM	21 Rev William Powel DR	Automatic aid received
2013-453	11/9/2013 9:22:24 PM	65.2 New Jersey Turnpike	Automatic aid received
2013-454	11/11/2013 1:59:08 AM	63.4 New Jersey Turnpike	Automatic aid received
2013-460	11/13/2013 5:17:02 AM	67.3 New Jersey Turnpike TPKE	Automatic aid received

Only REVIEWED incidents included



INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE
2013-461	11/13/2013 4:15:46 PM	25 Leshin LN	Automatic aid received
2013-470	11/18/2013 4:45:00 AM	71.3 New Jersey Turnpike	Automatic aid received
2013-472	11/19/2013 3:57:01 PM	1 Bank ST	Automatic aid received
2013-490	12/4/2013 7:27:43 PM	72.0 New Jersey Turnpike	Automatic aid received
2013-502	12/11/2013 1:44:56 PM	118 Hausser AVE	Automatic aid received
2013-504	12/13/2013 7:30:09 AM	71.9 New Jersey Turnpike	Mutual aid received
2013-509	12/15/2013 12:27:27 AM	67.9 New Jersey Turnpike	Automatic aid received
2013-510	12/15/2013 6:15:04 AM	69.5 New Jersey Turnpike	Automatic aid received
2013-511	12/16/2013 5:55:44 PM	71.3 New Jersey Turnpike	Automatic aid received
2013-516	12/20/2013 4:29:58 PM	15 Dennis CT	Mutual aid received
2013-520	12/23/2013 6:01:57 AM	1 Westerlea AVE	Mutual aid received
2013-525	12/23/2013 2:44:52 PM	104 Hausser AVE	Automatic aid received

Only REVIEWED incidents included



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Hightstown Engine Company

Hightstown, NJ

This report was generated on 12/20/2014 1:00:21 PM



Incident Count per Zone for Apparatus for Date Range

Apparatus: L41 | Start Date: 01/01/2013 | End Date: 12/31/2013

ZONE	# INCIDENTS
APPARATUS: L41	
17 - Nottingham FD	5
32-1 - Millstone FD	1
40 - Robbinsville FD	47
41 - Hightstown FD	36
42 - East Windsor 1 FD	69
43 - West Windsor FD	6
46 - East Windsor 2 FD	58
48 - Cranbury FD	7
49 - Plainsboro FD	3
82-1 - Allentown FD	3
TPK - NJ Turnpike	1



Hightstown Engine Company

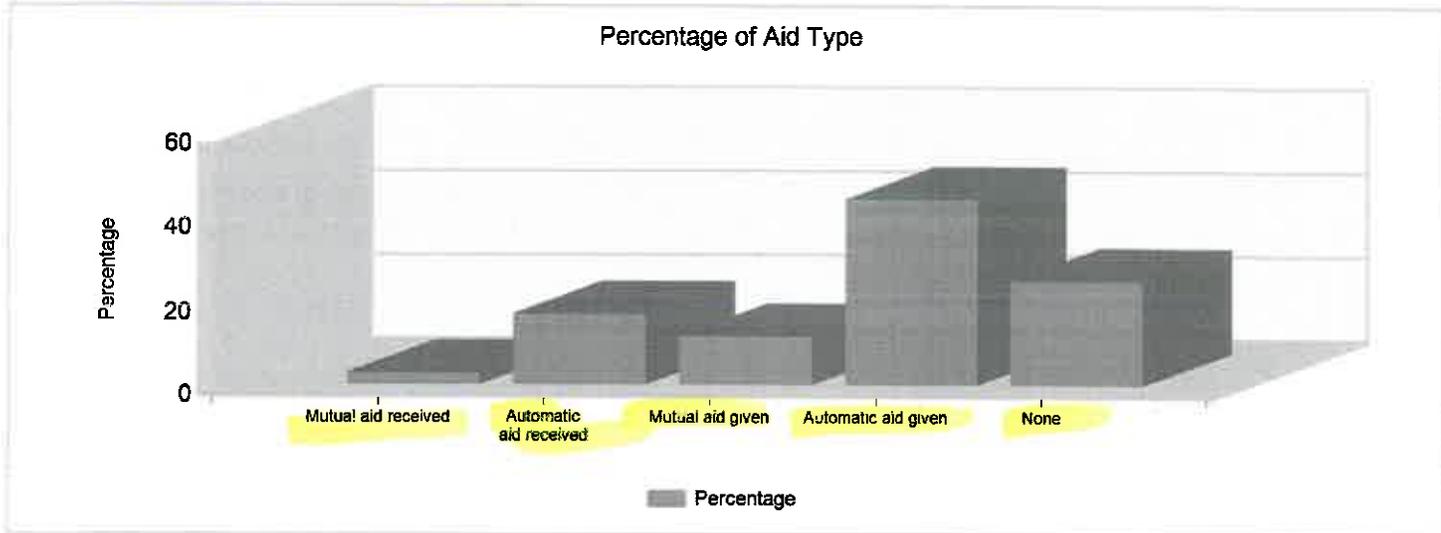
Hightstown, NJ

This report was generated on 12/20/2014 12:54:24 PM



Count of Aid Given and Received for Incidents for Date Range

Start Date: 01/01/2012 | End Date: 12/31/2012



AID TYPE	TOTAL	% of TOTAL
Mutual aid received	13	2.8%
Automatic aid received	79	16.8%
Mutual aid given	54	11.5%
Automatic aid given	208	44.2%
None	117	24.8%

-51 NJTP

Only REVIEWED incidents included

Hightstown Engine Company

Hightstown, NJ

This report was generated on 12/20/2014 1:15:03 PM



Mutual or Automatic Aid Received for Date Range

Start Date: 01/01/2012 | End Date: 12/31/2012

INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE
2012-01	1/1/2012 2:42:04 PM	68.0 NB New Jersey Turnpike	Mutual aid received
2012-02	1/2/2012 2:02:26 PM	480 Mercer ST	Automatic aid received
2012-06	1/5/2012 10:14:02 AM	314 Stockton ST	Mutual aid received
2012-11	1/9/2012 12:56:41 PM	480 Mercer ST	Automatic aid received
2012-23	1/22/2012 3:00:00 PM	Bldg5 Westerlea Arms Apts.	Automatic aid received
2012-47	2/18/2012 12:00:00 PM	67.0 New Jersey Turnpike North HWY	Automatic aid received
2012-49	2/22/2012 12:50:01 PM	4 Hights Blvd BLVD	Automatic aid received
2012-54	2/27/2012 1:14:00 PM	211 Stockton Street	Automatic aid received
2012-55	2/28/2012 8:44:00 AM	201 South Main ST	Automatic aid received
2012-62	3/6/2012 11:47:21 AM	66 SB New Jersey Turnpike	Automatic aid received
2012-67	3/12/2012 2:10:00 AM	69 NB New Jersey TPKE	Mutual aid received
2012-68	3/12/2012 4:45:00 PM	114 Spring Crest DR	Mutual aid received
2012-69	3/13/2012 6:19:00 AM	114 Springcrest DR	Automatic aid received
2012-72	3/16/2012 12:59:39 PM	67.0 New Jersey Turnpike North	Mutual aid received
2012-76	3/26/2012 7:17:18 AM	201 S Main ST	Automatic aid received
2012-81	3/30/2012 2:22:14 PM	67.2 NJTPK North bound	Automatic aid received
2012-85	4/4/2012 3:09:02 PM	67.5 New Jersey Turnpike	Automatic aid received
2012-105	4/18/2012 12:12:00 PM	202 Stockton ST	Automatic aid received
2012-107	4/21/2012 9:47:00 PM	67.3 New Jersey Turnpike HWY	Automatic aid received
2012-111	4/27/2012 2:44:02 PM	68.4 New Jersey Turnpike	Automatic aid received
2012-119	5/7/2012 8:23:27 AM	480 Mercer ST	Automatic aid received
2012-124	5/13/2012 4:34:40 PM	71.4 New Jersey Turnpike	Automatic aid received
2012-128	5/17/2012 11:15:07 AM	69.0 New Jersey Turnpike	Automatic aid received
2012-134	5/19/2012 8:56:06 PM	72.2 New Jersey Tunpike	Automatic aid received

Only REVIEWED incidents included



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INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE
2012-138	5/23/2012 4:27:19 PM	69.0 New Jersey Turnpike	Automatic aid received
2012-145	5/29/2012 10:45:23 AM	154 Bank ST	Automatic aid received
2012-148	5/31/2012 3:53:14 PM	65.5 New Jersey Turnpike	Automatic aid received
2012-156	6/9/2012 10:45:02 AM	69.1 New Jersey Turnpike	Automatic aid received
2012-160	6/12/2012 6:19:34 PM	67.3 New Jersey Turnpike	Automatic aid received
2012-166	6/15/2012 1:47:15 AM	201 S Main ST	Mutual aid received
2012-168	6/18/2012 10:00:00 AM	72.6 New Jersey Turnpike North	Automatic aid received
2012-177	6/22/2012 8:28:39 PM	377 Morrison AVE	Automatic aid received
2012-182	6/27/2012 6:37:54 AM	536 South Main ST	Automatic aid received
2012-183	6/27/2012 5:16:54 PM	64.8 New Jersey Turnpike	Automatic aid received
2012-186	6/30/2012 2:10:42 PM	67.6 New Jersey Turnpike	Automatic aid received
2012-198	7/7/2012 10:23:18 AM	67.0 New Jersey Turnpike	Automatic aid received
2012-204	7/10/2012 10:07:57 AM	1 Bank ST	Automatic aid received
2012-206	7/11/2012 3:12:42 PM	68.4 New Jersey Turnpike	Automatic aid received
2012-209	7/14/2012 12:59:59 PM	70.2 New Jersey Turnpike	Automatic aid received
2012-212	7/17/2012 4:29:14 PM	68.5 New Jersey Turnpike	Automatic aid received
2012-213	7/17/2012 9:13:17 PM	68.5 New Jersey Turnpike South	Automatic aid received
2012-216	7/20/2012 9:24:46 AM	201 South Main ST	Automatic aid received
2012-224	7/27/2012 11:06:52 AM	201 S Main ST	Automatic aid received
2012-226	7/28/2012 1:26:59 PM	339-B S Main ST	Mutual aid received
2012-238	8/2/2012 4:05:40 PM	67.0 New Jersey Turnpike	Automatic aid received
2012-242	8/6/2012 6:58:15 PM	67.1 New Jersey Turnpike	Automatic aid received
2012-248	8/12/2012 1:40:47 AM	68.0 New Jersey Turnpike	Automatic aid received
2012-252	8/16/2012 1:42:14 PM	25 Leshin LN	Automatic aid received
2012-253	8/16/2012 4:14:13 PM	401 Mercer ST	Automatic aid received
2012-255	8/19/2012 6:48:00 PM	65.1 New Jersey Turnpike	Automatic aid received
2012-258	8/22/2012 1:44:54 PM	66.2 New Jersey Turnpike	Automatic aid received

Only REVIEWED incidents included



INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE
2012-265	8/28/2012 5:18:11 AM	67.0 New Jersey Turnpike	Automatic aid received
2012-273	8/31/2012 10:53:28 AM	65.7 New Jersey Turnpike	Automatic aid received
2012-275	9/6/2012 3:00:27 PM	230 Mercer ST	Mutual aid received
2012-284	9/11/2012 12:31:00 AM	68.4 New Jersey Turnpike	Mutual aid received
2012-285	9/11/2012 1:48:33 AM	70.0 New Jersey Turnpike	Mutual aid received
2012-288	9/12/2012 8:11:19 AM	201 South Main ST	Automatic aid received
2012-289	9/12/2012 9:49:40 AM	201 South Main ST	Automatic aid received
2012-295	9/14/2012 10:36:00 PM	92 N Main ST	Automatic aid received
2012-301	9/23/2012 12:44:19 AM	25 Leshin LN	Automatic aid received
2012-306	10/2/2012 12:59:00 AM	205 Franklin ST	Automatic aid received
2012-308	10/2/2012 12:34:00 PM	401 Mercer ST	Mutual aid received
2012-316	10/7/2012 6:44:10 PM	201 S Main ST	Automatic aid received
2012-319	10/9/2012 2:31:44 PM	25 Leshin LN	Automatic aid received
2012-320	10/10/2012 11:32:19 PM	67.0 New Jersey Turnpike	Automatic aid received
2012-322	10/12/2012 6:01:29 AM	72.1 New Jersey Turnpike	Automatic aid received
2012-324	10/15/2012 7:52:04 PM	70.3 New Jersey Turnpike	Automatic aid received
2012-327	10/19/2012 8:57:22 AM	72.0 New Jersey Turnpike	Automatic aid received
2012-329	10/21/2012 8:05:11 PM	201 S Main ST	Automatic aid received
2012-331	10/23/2012 6:15:16 AM	67.5 New Jersey Turnpike	Automatic aid received
2012-332	10/23/2012 8:42:09 AM	67.4 New Jersey Turnpike	Automatic aid received
2012-338	10/28/2012 1:42:01 AM	69.7 New Jersey Turnpike	Automatic aid received
2012-352	10/30/2012 5:10:36 PM	201 S Main ST	Automatic aid received
2012-354	10/31/2012 10:14:50 AM	156 Bank ST	Automatic aid received
2012-363	11/2/2012 5:55:03 PM	72.0 New Jersey Turnpike	Automatic aid received
2012-365	11/3/2012 12:58:22 PM	66.3 New Jersey Turnpike	Mutual aid received
2012-387	11/11/2012 2:30:06 PM	70.8 New Jersey Turnpike	Automatic aid received
2012-389	11/13/2012 11:20:12 AM	380 Stockton ST	Automatic aid received
2012-396	11/20/2012 12:23:30 PM	67.9 New Jersey Turnpike	Automatic aid received
2012-400	11/22/2012 3:27:21 PM	171 Mechanic ST	Automatic aid received

Only REVIEWED incidents included



INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE
2012-402	11/23/2012 2:12:30 PM	67.1 New Jersey Turnpike	Automatic aid received
2012-407	11/26/2012 2:48:31 PM	69.0 New Jersey Turnpike	Automatic aid received
2012-417	11/30/2012 4 26:21 PM	117 Dey ST	Automatic aid received
2012-418	11/30/2012 4:54:56 PM	117 Dey ST	Automatic aid received
2012-420	12/1/2012 6:34:49 AM	69.0 New Jersey Turnpike	Automatic aid received
2012-421	12/1/2012 7:27:20 AM	67.5 New Jersey Turnpike	Automatic aid received
2012-427	12/3/2012 2:23:12 AM	71.5 New Jersey Turnpike	Automatic aid received
2012-431	12/4/2012 2:36:25 PM	1 Westerlia AVE	Automatic aid received
2012-434	12/7/2012 3:41:34 PM	201 S Main ST	Automatic aid received
2012-453	12/17/2012 8:58:51 AM	156 Bank ST	Mutual aid received
2012-454	12/19/2012 9:01:04 AM	67.6 New Jersey Turnpike	Automatic aid received
2012-458	12/20/2012 5:31:26 AM	66.5 New Jersey Turnpike	Automatic aid received

Only REVIEWED incidents included



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Hightstown Engine Company



Hightstown, NJ

This report was generated on 12/20/2014 1:00:44 PM

Incident Count per Zone for Apparatus for Date Range

Apparatus: L41 | Start Date: 01/01/2012 | End Date: 12/31/2012

ZONE	# INCIDENTS
APPARATUS: L41	
17 - Nottingham FD	5
32-1 - Millstone FD	1
40 - Robbinsville FD	32
41 - Hightstown FD	12
42 - East Windsor 1 FD	53
46 - East Windsor 2 FD	7
48 - Cranbury FD	1
49 - Plainsboro FD	1
82-1 - Allentown FD	1





Roberts
 ENGINEERING GROUP LLC
 Women Business Enterprise Certified

1670 Whitehorse-Hamilton Square Rd.
 Hamilton, New Jersey 08690
 609-586-1141 fax 609-586-1143
 www.RobertsEngineeringGroup.com

December 24, 2014

Mayor and Council
 Borough of Hightstown
 156 Bank Street
 Hightstown, NJ 08520

Re: 2013/2014 Municipal Aid
 Park Avenue, Greeley Street, Glen Brook Place,
 Hutchinson Street, Grant Avenue, and Park Way
 Our File No.: H1742

Dear Mayor and Council

As you know, this office has prepared plans and specifications for improvements to the roads adjacent to and around Association Park. Recently, there has been discussion regarding the proposed improvements on Hutchinson Street, specifically the curb and sidewalk proposed on the West side of Hutchinson Street between Park Avenue and Lincoln Avenue.

There are three options that have been reviewed for the proposed improvements to Hutchinson Street between Park Avenue and Lincoln Avenue as follows:

1. **OPTION No. 1:**

Proposed Improvements

Remove all sycamore trees and a gum tree on the West side of Hutchinson Street between Park Avenue and Lincoln Avenue. Install new curb and sidewalks on the West side only. The curb will be installed to allow for a pavement width of 32.5-ft which is consistent with the existing pavement width. Sidewalks will be installed with a 3-ft. grass buffer between the sidewalk and curb in an area where sidewalk was present in the past. This work will be mostly contained within the Right-of-Way, and outside the Right-of-Way where sidewalk was located. A right of entry will be requested of the properties where existing sidewalk will be replaced outside of the Right-of-Way.

Reasons for Improvements

The Hightstown School Travel Plan indicates that this area is in need of sidewalks in order to create a fully connected pedestrian route that school children may use for travelling to and from the nearby Walter C. Black and Grace N. Rogers Elementary Schools.

Over the years, the Borough has successfully installed curb and sidewalk where none has existed and has continued to improve areas with existing deteriorated sidewalks. In the Association Park area of the Borough, the only roads with no sidewalks are Hutchinson Street and Lincoln Avenue. Installing sidewalks on Hutchinson Street will move the Borough closer to having a complete sidewalk network that may be used by school children traveling by foot in the area, leaving only Lincoln Avenue without the needed sidewalks.

2. **OPTION No. 2:**

Proposed Improvements

Remove the gum tree and keep the sycamores on the West side of Hutchinson Street and do not install any curb or sidewalk on the West Side. The road will be milled and paved with no changes to the curb line/edge of pavement alignment. Curbs will not be installed on the West side of the road as the depth of excavation required to install the curbs will be in conflict with the existing sycamore tree root systems which will compromise the stability of the existing trees.

Hutchinson Street Sidewalk Improvements
 2014 Road Improvements Program
 Our File No.: H1742
 Page 2 of 2

Reasons for Improvements

This will save the existing sycamore trees on the West side of Hutchinson Street.

3. OPTION No. 3:

Proposed Improvements

Remove the gum tree and keep the sycamores on the West side of Hutchinson Street and do not install any curb or sidewalk on the West Side. Install sidewalk only on the East Side of Hutchinson Street where none currently exists.

Reasons for Improvements

This will save the existing sycamore trees on the West side of Hutchinson Street while allowing for the sidewalks as outlined in the Master Plan and the School Travel Plan.

This office prepared the plans using Option No. 1 above while working closely with Ken Lewis. We moved forward using Option No. 1 because of how it fulfills the School Travel Plan as well as the Borough Master Plan, which recommends the installation of curb and sidewalks in all areas where it is possible. In addition, the curb is proposed at a point no less than 32-ft. from the existing easterly curb line, as requested by Ken Lewis to allow for parking of resident vehicles and easier snow plowing in the winter. The existing sycamore trees on the West side of Hutchinson Street are within Borough Right-of-Way.

The Borough Environmental Commission favors saving the existing sycamore trees on the west side of Hutchinson Street. However, this will require the area remain as is without curb and sidewalk.

Option No. 3 has been explored and is not easily attainable. The existing curb line is approximately 1-ft. to 2-ft. away from the Right-of-Way line, therefore easements will have to be purchased by the Borough from the property owners to allow for the installation of the sidewalk. Mr. Roger Luty of 220 Park Avenue (located at the Northeast corner of Park Avenue and Hutchinson Street) has been contacted and indicated he has no interest in sidewalks being installed on his property.

I am writing to request that you review Options 1 and 2 and advise which option Council would prefer to be implemented.

Should you have any questions, please feel free to contact me.

Very truly yours,



Carmela Roberts, P.E.
 Borough Engineer

cc: Henry Underhill, Borough Administrator
 Debra Sopronyi, Borough Clerk
 Frederick C. Raffetto, Esq., Borough Attorney
 Ken Lewis, Superintendent of Public Works
 Cameron Corini, EIT, Roberts Engineering Group, LLC

Borough of Hightstown Environmental Commission

Memo

To: Planning and Zoning Board

From: Environmental Commission

Date: 21 December 2014

Re: Street Reconstruction: Hutchinson, Grant, Greeley and Park
Road Improvement Documentation dated 4 December 2014

The Environmental Commission has received pre-bid drawings dated 4 December 2014 documenting the reconstruction of portions of: Hutchinson, Grant, and Greeley Streets, and Park Avenue. A major element of the reconstruction is the addition of new sidewalks along the west side of Hutchinson (between Park and Lincoln), and portions of Park Avenue.

General: Our concerns are three-fold: 1) the recommended removal of 7 mature Sycamores (London Plane trees) and 1 Sweetgum in conflict with the proposed sidewalk along Hutchinson, and 2) The absence of new trees where they can be accommodated in the space between the curb and sidewalk in several project areas,) An unaddressed need to mitigate stormwater problems on Greeley Street.

Removal of Mature Sweetgum and Sycamores. We understand that the proposed location for the new sidewalk along Hutchinson is the result of an attempt to construct the new sidewalk within the existing right-of-way, while maintaining the width of the cartway (roadway). We further understand that as currently proposed the sidewalk will encroach on private property beyond the right-of-way.

We highly recommend that the Borough consider revisions to the project that would save these trees, a Borough asset worth at least \$20,000 when using generally accepted valuation principles. Below we offer options for redesigning the configuration of the proposed street and sidewalk along Hutchinson north of Park Avenue to avoid the removal of the 1 Sweetgum and 7 Sycamore trees, saving the Borough thousands of dollars in project costs related to the removal of these trees.

- 1) Locate new sidewalk along the east side of Hutchinson. By not allowing street parking along the east side of Hutchinson north of Park Avenue, the cartway could be narrowed enough to allow for the installation of new curb and sidewalk on the east side of the street (instead of the west side) within the existing right-of-way.
- 2) New sidewalk along the west side of Hutchinson. By not allowing parking on the west side of Hutchinson, north of Park Avenue, the curb location could be moved eastward, narrowing the cartway, and allowing for the proposed sidewalk to be installed east of the trees and tight to the curb. This option would save the mature trees along Hutchinson

Addition of New Trees to the Project. There are many locations within the project area where trees can be accommodated in the right-of-way. We offer to work directly with the Borough engineer to establish locations for new trees along these routes, to replace trees lost elsewhere in the Borough. Trees added in

larger quantities can be installed at relatively low costs and will ultimately grow to become valuable assets to the Borough.

Stormwater Concerns on Greeley Street. The proposed improvements to infrastructure on Greeley Street are quite limited. Greeley does not have curbing, and in rain events stormwater flows uncontrolled north to the cul-de-sac end of the street, eroding adjacent property and leaving behind mud and soil deposits. We are recommending that consideration be given to expand the scope of the improvements to Greeley to include work that would mitigate the negative effects of the stormwater runoff there.

End of Comments

I. INTRODUCTION

The purpose of the Main Street Redevelopment Plan (the “Redevelopment Plan”) is to provide a framework for the improvement and continued revitalization of the area as designated by the Borough of Hightstown’s Planning Board, Mayor, and Council. The recommendations contained within this document will provide a structure for both physical improvements to the lands and structures within the Main Street Redevelopment Area as well as policies to guide said improvements. The Main Street Redevelopment Area is sometimes referred to herein as the “Redevelopment Area”.

The statutory requirements as per N.J.S.A 40A:12A-7 state that “The redevelopment plan shall include an outline for the planning, development, redevelopment, or rehabilitation of the project area sufficient to indicate:

1. Its relationship to definite local objectives as to appropriate land uses, density of population, and improved traffic and public transportation, public utilities, recreational and community facilities and other public improvements.
2. Proposed land uses and building requirements in the project area.
3. Adequate provision for the temporary and permanent relocation, as necessary, of residents in the project area, including an estimate of the extent to which decent, safe and sanitary dwelling units affordable to displaced residents will be available to them in the local housing market.
4. An identification of any property within the redevelopment area which is proposed to be acquired in accordance with the redevelopment plan.
5. Any significant relationship of the redevelopment plan to (a) the master plans of contiguous municipalities, (b) the master plan of the county in which the municipality is located, and (c) the State Development and Redevelopment Plan adopted pursuant to the “State Planning Act” P.L. 1985, c. 398 (C.52:18A-196 et al).

As described in the Determination of Need Report, dated October 14, 2003, as approved by the Borough of Hightstown Planning Board, and Mayor and Council, within the nearly built-out Borough, the Main Street Redevelopment Area is defined as the southern side of Bank Street from North Main Street to North Academy Street; the western side of South Academy Street from Rogers Avenue to Railroad Avenue; all parcels fronting on the eastern side of Mercer Street from West Ward Avenue to South Main Street and including the right-of-way; the block bound by Main Street, Stockton Street, Railroad Avenue and Rogers Avenue and the right-of-way of Railroad Avenue; and, the area on the eastern side of Main Street from the Borough parking lot to and including the walking bridge over the Peddie Lake dam. The Redevelopment Area is delineated on the attached Main Street Redevelopment Area Map and includes 81 individual parcels with 32 different owners.

The parcels contained within the Main Street Redevelopment Area include Block 54, Lots 6 - 10, 13, 14.01, 16.01 & 23; Block 40, Lots 14 - 28; Block 33, Lots 1 - 30 & 32 - 36; Block 30, Lots 1

- 13; Block 28, Lots 56 & 57; and, Block 21, Lots 1 - 14 & 26. The landowners are identified in Appendix 2, Property Owners List, attached.

To address the diverse existing uses, and the large number of parcels and land owners within the Main Street Redevelopment Area, the Redevelopment Plan proposes to divide the Redevelopment Area into three (3) Sub-Areas. This will allow for a more manageable implementation phase, and permit the Borough to coordinate and manage each of the three (3) use-specific projects, residential, mixed-use, and downtown-commercial, individually. Each Sub-Area may be approved and developed independently.

The three (3) Sub-Areas, including a geographical description, are as follows:

Sub-Area I (Bank Street): Proposed mixed-use redevelopment project that includes the southern side of Bank Street from North Main Street to North Academy Street, the eastern side of North Academy Street, and the western side of North Main Street from the Firehouse to Bank Street. The Sub-Area includes Block 30, Lots 1 - 13; and, Block 21, Lots 1 - 14 & 26.

Sub-Area II (South Academy Street): Proposed residential infill redevelopment project that includes portions of the western side of South Academy Street from Rogers Avenue to Railroad Avenue. The Sub-Area includes Block 40, Lots 14 - 28.

Sub-Area III (Rt. 33): Proposed downtown commercial parking and streetscaping redevelopment project that includes all parcels fronting on the eastern side of Mercer Street from West Ward Avenue to South Main Street and including the right-of-way; the block bounded by Main Street, Stockton Street, Railroad Avenue and Rogers Avenue and the right-of-way of Railroad Avenue; and, the area on the eastern side of Main Street from the Borough parking lot to and including the walking bridge over the Peddie Lake dam. The Sub-Area includes Block 54, Lots 6 - 10, 13, 14.01, 16.01 & 23; Block 33, Lots 1 - 30 & 32 - 36; and, Block 28, Lots 56 & 57.

IIa. GOALS AND OBJECTIVES

The overarching goals for the Main Street Redevelopment Area are to:

- Eliminate blighted conditions which are negatively impacting the quality of life for residents;
- Develop new opportunities to increase ratables;
- Create new opportunities for community recreation and cultural activities;

- Enhance the view from Route 33/County Road 539 into the newly revitalized central business district of the Borough of Hightstown; and,
- Build upon the core node of mixed-use development to better utilize the frontage and access to the Route 33 transportation corridor.

Specific objectives for the Main Street Redevelopment Sub-Areas include:

Sub-Area I (Bank Street):

- Eliminate blighted, underutilized and vacant buildings and through adaptive re-use create a new mixed-use development within the town center;
- Create an opportunity for new commercial, governmental, greenway, and residential facilities; and,
- Provide a new greenway along Rocky Brook to link existing facilities within the Borough.

Sub-Area II (South Academy Street):

- Create new opportunities for home ownership in the Borough; and,
- Eliminate blighted and vacant units to stabilize the neighborhood.

Sub-Area III (Rt. 33):

- Facilitate the economic revitalization of the downtown district;
- Create new off-street parking opportunities; and,
- Provide new streetscaping to improve economic conditions within the area.

The Redevelopment Plan will facilitate the Borough's efforts to achieve these goals and objectives, and will improve the quality of life for residents and the economic development climate for the entire Borough.

IIb. PHYSICAL DESCRIPTION OF THE MAIN STREET REDEVELOPMENT AREA

The Main Street Redevelopment Area contains approximately 12 acres of land area. These 12 acres include a small portion of wetlands, the Rocky Brook (waters of the State), and a significant "Brownfield" site, which site may be constrained due to state and federal regulations, and is currently undergoing remediation by the responsible party. It is not anticipated that these two (2) factors will significantly impact implementation of the Main Street Redevelopment Plan.

The Redevelopment Area is delineated on the attached Main Street Redevelopment Area Map and includes 81 individual parcels with 32 different owners. Also see the Main Street Redevelopment Area Map, for a geographic plotting of these blocks and lots.

The Main Street Redevelopment Area contains a mix of uses, as listed below.

Sub-Area I (Bank Street): Municipal facilities (municipal building, firehouse, and Historic Society building) and partially-vacant industrial and warehouse buildings.

Sub-Area II (South Academy Street Area): Vacant residential structures and undeveloped lots.

Sub-Area III (Rt. 33): Commercial/retail structures and vacant lots.

With the exception of the parcels on Bank Street and South Academy Streets, the parcels front on Main Street (N.J.S.H. 33). All lots are within the Borough's state-designated Town Center area. See also Appendix 1, Existing Zoning and Base Map, attached hereto.

IIIa. RELATIONSHIP OF THE MAIN STREET REDEVELOPMENT PLAN TO DEFINITE LOCAL OBJECTIVES:

The Main Street Redevelopment Plan is consistent with the Borough's 1998 Master Plan. For example, a goal of the Master Plan is to "Revitalize the central downtown business district and improve the economic viability of the Borough." An additional goal of the Circulation Element of the Plan is that "... pedestrian movement must be a priority. Linkages must be reestablished between the various areas of town." In addition, the trend toward decline of the downtown business district was recognized as an issue within the Master Plan. This Redevelopment Plan is a critical step in reversing that trend.

IIIb. PROPOSED LAND USES AND BUILDING REQUIREMENTS:

1. EXISTING ZONING

The Main Street Redevelopment Area includes portions of four (4) zoning districts. They are: the PED (Planned Economic Development), R-4 (Residential Single-Family), CC-1 (Central Commercial 1), and the CC-2 (Central Commercial 2) districts. The PED district contains the partially-vacant former Phillips Lighting industrial and warehouse buildings. The R-4 district also includes the South Academy Sub-Area, which contains vacant residential structures and lots. Properties within both the CC-1 and CC-2 districts (Sub-Area II - Rt. 33) are generally-conforming and fully-utilized; however, the rear portion of these lots are used for parking and have a confusing array of ownership and odd configurations. As a result, access is constrained and impedes future economic development within the downtown portion of the Borough.

See Appendix 1, Existing Zoning and Base Map for details.

2. PROPOSED ZONING

Sub-Area I (Bank Street): Additional redevelopment design and land use standards have been promulgated to address a number of development issues, including density, parking and other design issues.

The Bank Street Sub-Area Redevelopment District (pages 17-28), includes appropriate design standards for building height, façades, sidewalk, parking access and layout and other related improvements. This will facilitate a redevelopment project in which the buildings do not overwhelm the adjacent neighborhoods, and are constructed to standards which are in harmony with the existing environs. The new standards supersede the existing PED zoning regulation that would otherwise apply to Sub-Area I, except where specified otherwise herein, and will provide a framework to ensure any new development will be pedestrian-friendly and provide an attractive viewscape for motorists traveling in the area.

Sub-Area II (South Academy Street): The Sub-Area II district includes the northern side of South Academy Street from Railroad Avenue to Rogers Avenue. This portion of the Redevelopment Area will receive additional policies, proposed zoning, design and development standards in an anticipated amendment to this Redevelopment Plan.

Sub-Area III (Rt. 33): The third portion of the Redevelopment Plan may not require any revisions to the existing zoning, since only parking, streetscape, and other aesthetic enhancements are proposed for the tracts within this Sub-Area. If required, Sub-Area III may receive additional policies, proposed zoning, design and development standards in a subsequent amendment to this Redevelopment Plan.

3. PROPOSED IMPROVEMENTS AND DESIGN STANDARDS

There are a number of requirements for each Sub-Area of the Main Street Redevelopment Area. The requirements are outlined in the following classifications. Each of the Sub-Areas may be treated as independent phases of the overall Redevelopment Plan, and may be undertaken by different Redevelopers and at different times, independent of each other.

Sub-Area I (Bank Street): See attached Bank Street Sub-Area Development Standards (pages 17-28), which provides guidelines and requirements associated with the physical development of the site by the selected Redeveloper.

In addition to compliance with the Development Standards referenced above, the selected Redeveloper of the Bank Street Sub-Area shall be required to comply with the following:

- a. **Municipal Facility:** The existing municipal facilities, located at Block 30, Lots 10, 11, and 12 on the Borough's Tax Map have been vacant since 2011 when extensive flooding damaged the building during Hurricane Irene. The municipal functions have been re-located to a nearby Borough owned facility and the police station is operating out of leased office space at the southern end of the Borough. The selected redeveloper shall take into consideration these properties and either, a) acquire and incorporate them into their over-all redevelopment project, b) redevelop the properties in partnership with the Borough for municipal or other uses or c) coordinate with the Borough the redevelopment of those properties which will be undertaken separately by the Borough. In either of the three

scenarios, these properties shall be included in the redevelopers site planning. The terms of all of the above shall be detailed in Redeveloper Agreement.

- b. **Recreational Facilities:** The selected Redeveloper may be required to make a contribution for recreational facilities in an amount to be negotiated by the Borough and the selected Redeveloper and detailed in the Redeveloper Agreement. Said contribution shall be deposited in a Recreation Trust Fund established for the Borough of Hightstown, the purpose of which is to provide for the purchase, lease, acquisition, maintenance and/or improvement of recreational facilities serving the Borough, with specific emphasis on the additional needs arising as a result of the residential and non-residential construction contemplated under this Redevelopment Plan. Said contribution shall be paid in accordance with requirements to be set forth in the Redeveloper Agreement.
- c. **Affordable Housing:** At the current time it is anticipated that no affordable housing units will be required.
- d. **Restaurant:** The inclusion of a full-service, sit-down restaurant is highly encouraged as part of the redevelopment project.
- e. **Artist Live/Work Studio Lofts:** The inclusion of artist live/work studio lofts in all or a portion of the existing mill structures is highly encouraged as part of the redevelopment project.
- f. **Bridge construction/rehabilitation:** The original bridge structure traversing Rocky Brook connecting the existing industrial buildings at the site shall be exposed, rehabilitated, and made ADA compliant, if required by law, and an additional pedestrian bridge shall be constructed across Rocky Brook to facilitate pedestrian access to and from all areas of the redevelopment area. The construction of said pedestrian bridge is conditioned upon the receipt of all necessary permits and approvals from State agencies having jurisdiction over such a stream crossing.
- g. **Payment in Lieu of Taxes (PILOT):** The selected Redeveloper may apply to the Borough for a PILOT associated with the redevelopment project, in accordance with applicable law. Specific requirements associated with any such PILOT shall be set forth in the Redeveloper Agreement, and further action of the Governing Body will be required to effectuate any such PILOT.
- h. **Development Standards:** As indicated above, the attached Bank Street Sub-Area Development Standards provide the overall guidelines and requirements associated with the physical development of the site by the selected Redeveloper.

Sub-Area II (South Academy Street):

Land Use: This portion of South Academy Street currently contains residential uses and is adjacent to the Hightstown Housing Authority property. Improved streetscape, improvements to nearby neighborhood recreational facilities, and other aesthetic enhancements are planned improvements for this Sub-Area. Subsequent amendments to the Redevelopment Plan may identify structures and lots within the designated area to be acquired and demolished and the lots could then be combined to facilitate the redevelopment of the area. As stated below in the relocation section, no residential relocations are part of this Redevelopment Plan. Alone, or in partnership with the selected Redeveloper, the Borough may also pursue various state and federal grant opportunities to help implement various elements of the Redevelopment Plan for Sub-Area II.

Sub-Area III (Rt. 33):

Land Use: While there are no specific design standards proposed for these downtown areas at this time, the streetscape enhancements envisioned for these loci are similar to those currently in the central downtown district. These include brick paver accents, period lighting, street furniture, stamped, painted crosswalks, etc. In addition, the walking bridge over the Peddie Lake dam may be replaced. A parking area plan for Block 33 has been prepared by Carmella Santanielo, of Van Cleef Engineering, entitled, "Stockton Street Parking Lot, Phase 2 Downtown Revitalization," dated 2/27/04, and is currently under construction.

IIIc. RELOCATION PLAN

As per N.J.S.A. 40A:12A-7a.(3) the Redevelopment Plan is required to provide for any residential and business relocations. No residential relocations are planned by the Borough. Except as may be otherwise provided in the Redeveloper Agreement for a specific Sub-Area, any and all costs associated with any business relocations resulting from agreements between the selected Redeveloper and property owners will be the responsibility of the selected Redeveloper.

IIIId. ACQUISITION OF PROPERTIES

Unless otherwise determined by the Redevelopment Agency, only the following properties, all within Sub-Area I (Bank Street), are proposed for acquisition as part of the Main Street Redevelopment Area:

- Block 30, Lots 1 - 7 and 10 - 12; and, Block 21, Lots 1 - 14 and 26

To encourage the Redevelopment Plan implementation, the stub portion of Mechanic Street into Sub-Area I ~~shall~~ may be vacated by the Borough. In addition, Block 30, Lots 8 and 9 (the Historic Society building), Lot 13, (the municipal firehouse), and Lots 10, 11, and 12 (the municipal buildings) are not proposed for acquisition.

The selected Redeveloper will assume responsibility for any and all property acquisitions within Blocks 30 and 21. The Borough may convey Lots 10, 11, and 12 in Block 30 to the Redeveloper in accordance with the terms of the Redeveloper Agreement.

The redevelopment of Block 21, Lots 6-14 may occur at a later date and under a separate Redeveloper Agreement if those lots cannot be acquired at this time.

IIIe. CONFORMANCE: THE RELATION OF THE MAIN STREET REDEVELOPMENT PLAN TO INTERGOVERNMENTAL PLANNING:

As per N.J.S.A. 40A:12A-7a.(4) the Redevelopment Plan must be in conformance with the Master Plans of the contiguous municipalities, the county master plan, and the State Development and Redevelopment Plan (SDRP). The Borough of Hightstown is totally encompassed by the Township of East Windsor, also located in Mercer County; however, none of the Redevelopment Plan's Sub-Areas border the Township of East Windsor (and its zoning districts) and, therefore, no impacts are anticipated and conformance with the SDRP is not an issue.

The Main Street Redevelopment Plan, including all three (3) Sub-Areas, is consistent with the 1986 Mercer County Growth Management Plan and the 2001 SDRP, which both have similar goals and objectives. The Redevelopment Plan will further the following specific goals of the SDRP:

- (1) Land Use: "Promote redevelopment and development in Cores and neighborhoods of Centers and Nodes that have been identified through cooperative regional planning efforts." *March 2001, The New Jersey State Development and Redevelopment Plan, pg. 191.*
- (2) Economic Development: "Promote economic development by encouraging strategic land assembly, site preparation and infill development, public/private partnerships and infrastructure improvements that support an identified role for the community within the regional marketplace." *March 2001, The New Jersey State Development and Redevelopment Plan, pg. 191.*
- (3) Natural Resource Conservation: "Reclaim environmentally damaged sites and mitigate future negative impacts, particularly to waterfronts, scenic vistas, wildlife habitats and to Critical Environmental Sites and Historic and Cultural Sites." *March 2001, The New Jersey State Development and Redevelopment Plan, pg. 191.*
- (4) Recreation: "Provide maximum active and passive recreational opportunities and facilities at the neighborhood, local and regional levels by concentrating on the maintenance and rehabilitation of existing parks and open space while expanding and linking the system through redevelopment and reclamation projects." *March 2001, The New Jersey State Development and Redevelopment Plan, pg. 192.*
- (5) Redevelopment: "Encourage redevelopment at intensities sufficient to support transit, a broad range of uses and efficient use of infrastructure. Promote design that enhances public safety, encourages pedestrian activity and reduce

dependency on the automobile.” *March 2001, The New Jersey State Development and Redevelopment Plan, pg. 192.*

According to the SDRP, Hightstown is located within the suburban Planning Area (PA2) and is identified as a Town Center. In 1997, as part of the SDRP process, the Borough of Hightstown became an officially designated Town Center. This Redevelopment Plan will specifically promote the Borough’s State-certified Center Designation Plan and Implementation Agenda. According to page 15 of the Hightstown Town Center petition, “*Enhancing the appearance of the downtown will attract people and business. Similar coordination will be required to improve accessibility to an interconnected system of parking.*”

The Redevelopment Plan is also consistent with a number of activities outlined in the Center Designation petition to promote economic growth in Hightstown including:

- Revitalizing the Main Street business district and transportation corridor;
- Creating a more inviting user-friendly downtown;
- Improving parking facilities and access to parking; and,
- Expanding access to existing and future commercial establishments

Finally, the Main Street Redevelopment Plan is consistent with the goals of the Delaware Valley Regional Planning Commission’s (DVRPC) Horizons 2025 Plan as follows:

- The Main Street Redevelopment Plan will assist in stabilizing an older borough by improving its current infrastructure to support and enhance the social, economic and physical character of the community.
- It encourages center-based planning since the Borough of Hightstown is a New Jersey-designated Town Center.

IV. IMPLEMENTATION

Implementation of the Redevelopment Plan for each Sub-Area will be detailed in the Redeveloper Agreement as negotiated by the Redevelopment Agency and the selected Redeveloper(s). An additional section, Funding Resources, is also appended to the Redevelopment Plan as a roadmap to potential sources of funding to ensure full implementation of any development scheme for each of the three Sub-Areas. No redevelopment activities may commence in any of the designated redevelopment areas governed by this Redevelopment Plan until a Redeveloper Agreement has been executed by the Borough and the selected Redeveloper(s) for the applicable area of the Borough.

V. CONCLUSION

The Main Street Redevelopment Plan has the potential to provide the largest fiscal and aesthetic impact that the Borough has experienced in many years. Significant volunteer, public and private sector, and professional commitments and expenditures of time and fiscal resources have been expended to facilitate the redevelopment of this area.

Additionally, the Redevelopment Plan creates the potential for a phased approach to redeveloping the area. It provides for pedestrian-friendly development, protects the natural resources of Rocky Brook and Peddie Lake, creates a green corridor through the center of town, enhances the frontage on County Route 539, stabilizes and revitalizes a neighborhood, and includes design standards for Sub-Area I to ensure that all structures within the Sub-Area fit the landscape.

The final outcome of the Main Street Redevelopment Plan will be the revitalization of critical areas of the community, while creating a new mixed-use development, which will bring significant new ratables into the community. Additional housing, economic, and recreational and cultural opportunities will also be created. Finally, the Main Street Redevelopment Plan will help redefine the Borough of Hightstown and enhance its position as a State-Designated Town Center.

MAP I

MAP II

MAP III

PROPERTY OWNERS LIST (As of December 3, 2014)	
BLOCK/LOT	OWNER OF RECORD & MAILING ADDRESS
54/6 & 7	Dogias, A. Alexander & Lola, 4754 White Tail Lane, Newport Richey, FL 34653
54/8 & 9	RPSP Holdings, LLC, 139 Mercer St. Hightstown NJ 08520
54/10 & 23	Jeffrey Bond, 210 S. Main St., Hightstown, NJ 08520
54/13 & 16.01	KPM Holdings, LLC, 19 Robbins Rd., Millstone TWP 08535
54/14.01	Ordonez, Luis F. & Juan E., 138 S. Main St., Hightstown, NJ 08520
40/14	Carias, Hector & Barrios, Maydra, 207 Rogers Ave., Hightstown, NJ 08520
40/15	Battash, Annie, 10 Hidden Spring Lane East Windsor, NJ 08520
40/16	Darling, Elizabeth & Shishone Evers, S. 200 Academy St., Hightstown, NJ 08520
40/17	Amin, Mohammad, 102 Bryn Mawr Avenue, Lansdowne, PA 19050
40/18	Ames, Samuel, 210 Academy St., Hightstown, NJ 08520
40/19	McKinnie, Virginia, 212 Academy St., Hightstown, NJ 08520
40/20	Ordonez Realty, LLC, 138 S. Main Street, Hightstown, NJ 08520 (20 & 21 consolidated in 2006)
40/22 - 24	Millstone Basin Area Hab for Humanity, 120 Main St. #207 Hightstown, NJ 08520
40/25	Bowman, Lucy, 238 Academy St., Hightstown, NJ 08520
40/26	Phillips, Dennis G., 240 Academy St., Hightstown, NJ 08520
40/28	Regenthal, Frank W & Jamie A., 250 Academy St. , Hightstown, NJ 08520
33/1, 9, 12, 33 & 35	Borough of Hightstown, 148 N. Main Street, Hightstown, NJ 08520
33/2	Wang, BJ. & HS Trustees Wang Family, 43314 Clearwood Drive, Freemont CA 94538
33/3	Owner Unknown
33/4, 5, 8, 10 & 13	Bond, Jeffrey, 210 S. Main St., Hightstown, NJ 08520

PROPERTY OWNERS LIST (As of December 3, 2014)	
BLOCK/LOT	OWNER OF RECORD & MAILING ADDRESS
33/6	Cheng, Yin & Zheng, Ziu Quin, 100 Main Street, Hightstown, NJ 08520
33/7	Unknown Owner
33/11	Unknown Owner
33/14	Eastern Dragon Ocean, Inc., 114 Main St., 2 nd Floor, Hightstown, NJ 08520
33/15 & 16	Eastern Dragon Ocean, Inc., 114 Main St., 2 nd Floor, Hightstown, NJ 08520
33/17, 21, 22, 26, 27 & 31, 32	These lots no longer exist in the Borough
33/18, 29 & 34	TPS Management, c/o Richardson Management, 2115 State Highway 33, Trenton, NJ 08690-1740
33/19	Salnin LLC, 124 Main St., Hightsown, NJ 08520
33/20	Alderman, Gloria, POB 7424, Monroe, NJ 08831
33/23 - 25	C.J. Vanderbeck, LLC, 344 Stockton St., Hightstown, NJ 08520
33/28 & 36	Sackowitz, Harry, 106 Mercer St., Hightstown, NJ 08520
33/30	Bond, Jeffrey & Tolmie, Catherine, 210 S. Main St., Hightstown, NJ 08520
30/1 - 7	Greystone Capital Partners NJ, LLC, 920 Matsonford Road, West Conshohocken, PA 19428
30/10-13	Borough of Hightstown, 148 N. Main Street, Hightstown, NJ 08520
30/8 & 9	Hightstown-East Windsor Historical Society, 164 N. Main Street, Hightstown, NJ 08520
28/56 & 57	Borough of Hightstown, 148 N. Main Street, Hightstown, NJ 08520
21/1 - 5 & 26	Greystone Capital Partners NJ, LLC, 920 Matsonford Road, West Conshohocken, PA 19428
21/6-14	5C Industries LLC, 101 Bank Street, Hightstown, NJ 08520

IMPLEMENTATION FUNDING RESOURCES

Based on proposed development information provided at the various public hearings, the following list of grant/loan programs may be utilized to address some of these elements. The following is not a comprehensive list, but merely represents known opportunities. Additional funding sources will be identified as the project elements proceed and new opportunities surface.

- **NJ DOT Transportation Enhancement Program Fund:** This grant program could provide funds to make significant enhancements, such as period lighting, sidewalk replacement, street furniture and landscaping, to the remaining unimproved areas within the downtown district.
- **NJ DOT Bikeways Program:** This program could provide grants up to about \$150,000 each to build the **infrastructure** within the proposed greenway. Projects that connect to regional trails and local amenities/facilities will fare best.
- **NJ DOT Centers of Place Program:** This program provides grant funding to address transportation-related issues, such as parking, or pedestrian amenities, such as the Peddie lake crosswalk. Only municipalities which are listed as designated within the SDRP, such as Hightstown, are eligible for this grant program. In 2003 awards averaged \$187,000.
- **NJ DEP Historic Preservation Trust and the New Jersey Historic Commission Grant Programs:** These two (2) programs provide grants for restoration of historic structures, including design and capital costs necessary to preserve existing historic resources. Capital Preservation Grants are for construction expenses related to the preservation and restoration of historic properties and associated architectural and engineering expenses and awards range from \$5,000 to \$750,000; however, the applicant, (local government or a non-profit) must own the property or have a valid lease for 15 years, and the property must be listed, or eligible for listing, in the state or federal Register of Historic Places.
- **NJ DEP Environmental Infrastructure Financing Program:** This program could provide a low-interest loan (currently around 1.2%) for construction costs to replace/repair existing sewer and storm water systems to ensure the protection of water quality. This program may provide significant savings due to the lower interest rate of this program and costs of bonding locally. This program could also provide funding to study and remediate localized storm water flooding. While there is no upper limit to funding, most awards are multi-million in magnitude.
- **NJ DEP Livable Communities Program:** This program could provide grant funds for recreation-related improvements and development (excluding land acquisition) such as the greenway. In previous years, Livable Communities were capped at \$100,000.
- **NJ DEP Hazardous Discharge and Site Remediation (HDSRF) Program:** The grant program could provide up to \$2,000,000 in grant funding to the municipality for environmental site investigation. Funds may be used for Preliminary Assessment (PA),

Site Investigation (SI) and Remedial Investigation (RI). Funds may not be used for cleanup activities.

- **NJ DCA Small Cities Programs:**
 - **Public Facilities:** These funds may be utilized to construct or improve essential public facilities which will primarily benefit people of low and moderate-income and/or redevelopment areas. In a designated redevelopment area, eligible activities include streets, sidewalks, streetscape improvements, lighting, infrastructure and recreational amenities. Awards are typically in the \$400,000 range.
 - **Innovative Development Fund (IDF):** Projects within a redevelopment area, that propose two (2) or more inter-related activities such as land acquisition and parking, and are related to implementation of the redevelopment project, are eligible for this funding source. Additionally, IDF projects must be ineligible for any other Small Cities funding source. Awards generally range up to \$400,000.
 - **Employment Development:** Projects that result in the creation of new employment opportunities for low and moderate income are eligible for funding under this category. Proposed projects may include loans to for-profit enterprises, or off-site public improvement grants. Awards generally range up to \$400,000.
- **Federal Historic Preservation Tax Incentives:** This program offers development costs for the rehabilitation and restoration of buildings that are National Historic Landmarks, that are listed in the National Register, and that contribute to National Register Historic Districts and certain local historic districts. Properties must be income-producing and must be rehabilitated according to standards set by the Secretary of the Interior. A 20% rehabilitation tax credit equals 20% of the amount spent in the certified rehabilitation of a certified historic structure. The 10% tax credit equals 10% of the amount spent to rehabilitate a non-historic building built before 1936.
- **Various NJ Economic Development Authority (EDA):** EDA offers a wide-range of loans and tax credits for projects that result in new job creation. As additional information becomes available on the types of uses within the Redevelopment Area, specific NJ EDA programs will be identified and targeted.
- **Municipal Bonding:** Local financing may be provided to the designated Redeveloper for portions of the project at a lower-than-market interest rate. The designated Redeveloper would benefit from the lower interest rate and would be responsible for all municipal fees, principal and interest payments.
- **Borough Insurance Claim:** The Borough may be able to apply funds of up to 2 million dollars from the Hurricane Irene insurance claim towards work related to the vacant municipal properties, (Block 30 Lots 10, 11 and 12).

Sub-Area I (BANK STREET) DESIGN CRITERIA

The overarching design criteria governing the redevelopment of the former Rug Mill site are as follows:

1. Green space shall be included to the maximum extent possible within the Sub-Area and should be considered an integral design element.
2. Reasonable efforts must be made to allow visibility of the site's retail/commercial facilities and the site's natural and historic features from North Main Street.
3. The surrounding Main Street streetscaping design shall be continued along the west side of the North Main Street frontage, to Bank Street. Elements of the existing streetscape design should be used within the site and along Bank Street, as accents. See Subsection k.1.
4. A greenway shall be established along the Rocky Brook corridor and a footbridge, subject to State approvals, shall be provided to link the Redevelopment Area together.
5. The inclusion of an engineered passive water feature that shall also serve as a detention pond in the event of a flood shall be evaluated and if feasible incorporated into the project.
6. Usable pedestrian access ways shall be provided throughout the site, connecting to existing perimeter sidewalks and to the Greenway.
7. Buildings shall be considered in terms of their relationship to the surrounding neighborhood and natural environment as well as in relation to the human scale.
8. Design visual and green space transitions, which include pedestrian connections and landscaping, to buffer the existing Historical Society property. Additionally, volunteer firefighters and fire equipment shall have unimpeded access to the firehouse.
9. Create a new street front along Academy Street that respects the scale and character of the neighborhood on the opposite side of the street.
10. Roof top spaces shall be encouraged for passive and active recreation uses, such as patios, gardens, swimming pools and sunbathing areas.
11. The Borough of Hightstown recognizes the importance of environmental sustainability and, therefore, the Redeveloper is encouraged to evaluate the potential for LEED accreditation of the Bank Street Sub-Area I Redevelopment District.

BANK STREET SUB-AREA REDEVELOPMENT DISTRICT – DEVELOPMENT STANDARDS

LAND USE

1. **Land Use:** The Bank Street Sub-Area currently contains partially-vacant facilities, and commercial and governmental uses. The area is bounded by Route 33 (Main Street), Rocky Brook, and residential neighborhoods. Selected structures, if approved by the Borough, may be demolished, and existing environmental hazards remediated as required by the New Jersey Department of Environmental Protection (NJDEP). The lots will then be combined to facilitate the redevelopment of the area. In partnership with the selected Redeveloper, the Borough may pursue various state and federal grant opportunities to help accomplish the redevelopment of this Sub-Area. The collaborative partnership between the Borough and the selected Redeveloper may also seek funding assistance to assist in the development of the greenway along Rocky Brook.
 - a. The following uses are permitted within the Sub-Area I Redevelopment district:
 1. Adaptive reuse of the site's existing structures for residential and commercial/office use
 2. Residential uses including multi-family dwellings and duplex town homes , (facing Academy Street only).
 3. Artist live/work studio lofts.
 4. Studios for the visual and performing arts
 5. Hotel
 6. Governmental uses and other public facilities
 7. Passive and active recreational facilities
 8. Retailing within a completely enclosed building, but excluding drive through retail. A variety of retail shops shall be provided to encourage and maximize consumer choice.
 9. Personal and other business services within a completely enclosed building, excluding drive-thrus.

10. Offices.
11. Public facilities, including public parking facilities
12. Restaurants and other places to eat and drink, but not including drive-thrus .
13. Banks and financial institutions, excluding drive-thrus.
14. Residential dwelling units as upper floor use of buildings containing above-permitted principal uses.
15. Scientific and research laboratories
16. Pharmaceutical operations (non-manufacturing)
17. Galleries, theatres and performance spaces.
18. For-profit only schools, testing centers and learning centers.

b. Accessory Uses:

1. Signs
2. Parking decks and garages
3. Roof top recreation spaces and uses.

All other uses, unless specifically permitted, are prohibited.

- c. Permitted residential dwelling types include: (1) townhomes/duplexes on fee simple lots or under a condominium form of ownership; and (2) multi-family dwellings which shall contain no more than two (2) bedrooms per dwelling .
- d. Only townhouse/duplex units shall be permitted to front on North Academy Street.

DESIGN STANDARDS

1. **Setbacks and Buffers:** In consideration of Rocky Brook and the critical need for an attractive viewscape from New Jersey State Highway 33 and County Route 539, the following setbacks and buffers will be required.

a. Setbacks:

1. All buildings shall have minimum set backs consistent with the building setback of the Historical Society (Block 30, Lots 8 and 9) from County Route 539 (North Main Street). All parking and roadways shall be setback a minimum of 15 feet from the interior edge of the existing sidewalk along North Main Street (C.R. 539), to facilitate the creation of the viewscape from Route 33 into the new mixed-use development. Based on review of the parking study, additional buffering, green space, and/or landscaping may be required.
2. It is the intent of the Governing Body to retain as much of the historic structures as practicable. Any demolition of any part of the existing structures is subject to approval of the Planning Board through the site plan review process.
3. Ten (10) foot front and side yard setbacks shall be required for all new structures along Bank Street.
4. Minimum front yard setbacks for townhomes/duplexes shall be fifteen (15) feet. Minimum rear yard setback for townhomes/duplexes shall be thirty (30) feet. Porches may project not more than five (5) feet into the required front yard setback.
5. Minimum lot depth for townhomes/duplexes shall be one hundred ten (110) feet.
6. Minimum distance between townhome/duplexes shall be fifteen (15) feet, equally divided between lots.
7. The minimum set back for accessory structures shall be five (5) feet.

b. Buffers:

1. All proposed structures, with the exception of improvements to the greenway and parking lots, shall be set back from any environmentally-sensitive areas as designated by the NJDEP and the Rocky Brook. A minimum 10 foot wide buffer, measured from top of bank and extending to 28 feet in width or greater, wherever practicable, shall be provided on both sides of the Rocky Brook as per the Hightstown Environmental Commission's greenway design concept specifications (February 1999). Specifically, the Rocky Brook buffer is to be 28 feet in

width on both sides of the water body, unless the selected Redeveloper demonstrates to the satisfaction of the Planning Board that compliance with same is impracticable and will exact undue hardship on the ability of the selected Redeveloper to provide adequate parking for the development, in which case the buffer area may be reduced in certain locations along the Rocky Brook to no less than ten (10) feet in width. A continuous eight (8) foot wide pathway shall be provided within the greenway along the Rocky Brook to permit public access through the greenway and link with the planned eight (8) foot wide pedestrian access bridge. The planned pedestrian access bridge shall have a minimum span to conform with floodway requirements. The Environmental Commission shall review the Redeveloper's greenway plan and provide comment to the Planning Board.

- c. Buffers as required by the regulations in effect at the time of plan approval shall be provided for any environmentally sensitive lands as designated by NJDEP. Those areas, as well as the buffers, shall be deed restricted to prevent future development, with the exception of trails for recreational or pedestrian circulation purposes, and the Borough of Hightstown shall be granted an easement on said lands for that purpose.
- d. A thirty (30) foot buffer shall be required between any new structures, with the exception of service area structures, and the Historic Society building (Block 30, Lots 8 and 9). This buffer may include green space, pedestrian improvements such as sidewalks, and recycling/rubbish storage areas.
- e. Individual driveways and garages shall not be permitted to front on North Academy Street.

2. Design Standards

a. Building Design:

- 1. The maximum height of any new building or building addition, excluding residential townhomes/duplexes, shall not exceed the height of the existing Rug Mill structures. Rooftop appurtenances for new buildings or additions shall not exceed five (10) feet above the roofline. The maximum height for adaptive reuse of existing site buildings shall be the existing building height, excluding screened rooftop appurtenances, which shall not exceed an additional five

- (10) feet and shall be set back a minimum of (10) feet from the front facade.
2. Residential townhomes/duplexes shall not exceed two and one half stories or thirty-five (35) feet in height as measured from the grade curb level in front of each residential building to the highest point of the roof.
 3. Residential uses shall be permitted on all floors of the existing buildings and accessory recreation uses for residents may be developed on building roof tops.
 4. All new buildings, excluding residential townhomes/duplexes shall compliment the façade of the existing Rug Mill structures. Residential townhomes and duplexes shall match the character and style of the North Academy/Stockton Street neighborhood. Detailed architectural plans including colors, materials, and textures, shall be provided for all buildings and accessory structures. If rehabilitation of the municipal building is selected by the parties, detailed floor plans shall be provided for the new municipal facility.
 5. The Architectural Review Committee shall review and advise the Planning Board and the Redeveloper with regard to architectural features, styles, materials and colors.
 6. Buildings shall be located, designated and identified to allow for adequate fire and emergency access.
 7. All new construction and adaptive reuse must conform to all applicable codes and standards including Americans with Disabilities (ADA) Act requirements.
 8. All external mechanical, electrical, and plumbing appurtenances, including but not limited to electrical components and HVAC equipment, including roof-mounted units, shall not exceed five (10) feet above the roofline, shall be screened by landscaping or enclosed and shall not be included in determining building height.
 9. Such HVAC and other appurtenances shall comply with all state statutes governing noise levels for both day and night time uses.
 10. All electrical, gas, water, sewer, telephone, cable television, power, phone, CATV, and other utilities shall be installed

underground, as per current engineering standards. Roof antennae or towers shall not be permitted.

- b. Circulation and Parking:** The circulation plan will be dependent on final design submitted by the selected Redeveloper(s) to the Planning Board.
1. Usable pedestrian walkways within the site shall be designed to interconnect to parking lots and North Main and Bank Streets, and to the greenway where possible. Based upon the selected Redeveloper's parking plan, which plan will identify the number of potential on-street parking spaces along North Academy Street, the Planning Board may allow on-street parking along North Academy Street to be included in the Redeveloper's overall parking requirement calculations. Four (4) spaces of on-street parking on Bank Street shall be made available for use by the existing business on the corner of Bank and North Main Streets and shall not be included in any shared use parking analysis. Circulation throughout the site should be designed so that pedestrian pathways have priority and take precedence over vehicular circulation. Downtown parking ratios can only be sustained when complemented by a well developed pedestrian system. The downtown parking ratios that follow will be permitted only when the Redeveloper can demonstrate to the Planning Board that the design of the site's pedestrian circulation adequately establishes pedestrian priorities and connections to the downtown. Absent such design, additional parking on-site may be required.
 2. Retail or other commercial uses shall provide one (1) parking space for every 500 square feet of gross floor area utilized by the commercial or retail use. Retail or food service drive-thrus are prohibited.
 3. Office uses shall provide one (1) parking space for each 400 square feet of gross floor area utilized by the office use.
 4. Movie houses, other theaters, restaurants, and entertainment uses shall provide one (1) space for every three (3) seats or one (1) space per 40 square feet of usable seating, floor, or activity area, whichever is greater.
 5. The Planning Board may approve a total reduction of the required parking where such reduction is demonstrated by a study of the combined, or shared uses and customary operation of the uses that adequate parking would be provided for the actual uses. The

Planning Board shall also encourage the developer to pursue accessible off-site shared parking use.

6. The selected Redeveloper's traffic study shall investigate such limiting factors including but not limited to, safe and efficient access, existing roadway capacities and levels of service, traffic signals, timing, existing and proposed volumes, peak hour analyses, and the ability of the existing conditions to safely absorb the projected amount of traffic. Utilization of the property shall be dependent upon the results of the traffic study, which results may alter the number of units, mix of uses and commercial floor area permitted on-site.
7. For 90 degree parking, standard parking spaces shall be nine (9) feet in width and a minimum of eighteen (18) feet in length. Up to 1/3 of the parking spaces may be designed as compact car spaces and designated as such. For 90 degree parking compact parking spaces shall be (8) feet by (15) feet.
8. The location, size, and signage of accessible parking spaces must conform to all ADA requirements.
9. Parking lot layout, landscaping, and buffering shall be designed to enhance the viewscape from New Jersey State Highway (NJSH) Route 33 (North Main Street) frontage.
10. The interior of parking lots shall be landscaped to provide shade and visual relief.
11. Parking garages and decks are permitted accessory uses in Sub-Area I, and are subject to Planning Board approval. Approval of the need for and size of the parking garage shall be determined by the Planning Board in conjunction with the overall number of parking spaces required. If the selected Redeveloper proposes a parking garage or deck, it must be properly located by the Redeveloper to provide clear views of all scenic and historic sites within Sub-Area I from key off-site and on-site vistas, as determined by the Planning Board. Any approvals of a parking garage, including bulk and height, will be evaluated and determined by the Planning Board during the site plan review process.
12. Landscaped islands shall dictate flow and provide pedestrian safety zones.

13. For lots with eleven (11) or more spaces, a minimum of one (1) tree shall be planted for every twenty (20) spaces and shall not include those planted along the perimeter.
 14. Parking spaces and ADA accessible spaces shall be clearly marked at all times.
 15. Parking for residential units shall require two (2) parking spaces per unit, subject to approval under N.J.A.C. 5:21-3.5 (Special Area Standards).
 16. Individual driveways and garages shall not be permitted to front on North Academy Street.
 17. Increase the safety of pedestrians, bicyclists and motorists by providing streetscape improvements and a mid-block pedestrian crossing on Bank Street.
- c. Loading and Unloading:** All such activities shall occur on the interior of the development and not on any state, county or municipal right-of-way. Hours of delivery shall be determined by the Planning Board and set forth as a condition of approval.

d. Signs:

Except as noted below, all applicable provisions of Chapter 29, Signs, of the existing *Revised General Ordinances of the Borough of Hightstown*, including but not limited to provisions applicable to PED and shopping centers shall apply to Sub-Area I:

1. One (1) free standing sign shall be permitted along the North Main Street frontage, and one (1) free standing sign to identify the commercial buildings shall be permitted along the Bank Street frontage.
2. Each retail store front shall be permitted a façade sign.
3. The Redeveloper shall provide a comprehensive sign package, including colors and materials, to the Planning Board. The Planning Board may approve a comprehensive sign package for the project that exceeds the standards in Chapter 29 and/or in this document, without the need for a variance, in terms of sign area and number of signs if it is demonstrated to the Board's satisfaction such additional signage is necessary to appropriately identify the uses on the site from the street, and is consistent with good planning for the site.

e. Lighting:

All lighting shall be post or building mounted and oriented earthward to minimize light pollution.

1. Parking area lighting shall be post-mounted, located on landscaped islands, and shall not exceed 20 feet in height above grade.
2. Street fixtures should be period lighting similar to those sited in the downtown area along Mercer Street.
3. Pedestrian and access point lighting shall be post-mounted and shall not exceed 14 feet in height above grade.
4. Where parking lighting abuts residential areas, fixtures shall be shielded to eliminate light overflow into residential lots.
5. Lighting shall conform to the Borough's specifications and the developer shall pay the up-front cost per fixture for street lights to reduce the ongoing operational and maintenance costs to the municipality. Exact details will be specified in the Redeveloper Agreement.
6. Lighting in interior parking and commercial/office areas of the development shall be privately owned and maintained by the selected Redeveloper.

f. Fences/Enclosures: Shall be prohibited with the following exceptions:

1. All bulk waste/recycling receptacles (dumpsters) shall be fully screened. Such screening shall be of adequate height to fully shield the receptacle and shall utilize plantings and/or brick construction with a brick front and gated access way which can be secured during periods of non-use. Chain link fencing is prohibited. If landscape screening is utilized, bollards shall be provided to maintain the integrity of the planted screening. Full brick construction shall be required for structures located within designated buffer areas adjacent to any residential or commercial building.
2. Ornamental fencing along North Main Street.

3. Privacy fencing along the rear boundary of the Bank Street Sub-Area abutting the properties designated as Block 21, Lots 15, 19, 21 and 22.
4. Heights of all fencing are subject to Planning Board review and approval.

g. Infrastructure:

Sidewalk/Walkways: Pedestrian or connecting walkways shall be constructed of pavers, concrete and/or textured concrete in colors and/or patterns consistent with the existing Main Street infrastructure. All walkways shall be a minimum of five (5) feet in width, and shall extend from the building façade to the curb line, with an area for landscaping and street trees. All facilities within the eastern portion of the Bank Street Sub-Area shall be connected by such walkways. Crosswalks traversing parking areas shall be constructed of similar decorative paving materials.. All materials shall be compatible with the existing streetscape along Main Street.

Roadways: As appropriate, all roadways must conform to the State of New Jersey Residential Site Improvement Standards, N.J.A.C. 5:21, unless otherwise approved under N.J.A.C. 5:21-3.5 (Special Area Standards).

Water, Sewer and Stormwater Management: These systems are to be investigated, constructed and upgraded, as required, by the designated Redeveloper, and shall be subject to review and approval by all applicable federal, state, and local agencies, and will be the responsibility of the selected Redeveloper(s) based on the final approved usages within the area. All water, sewer and stormwater systems must conform to the State of New Jersey Residential Site Improvement Standards, N.J.A.C. 5:21, as relating to the residential component of the proposed plan, unless otherwise approved under N.J.A.C. 5:21-3.5 (Special Area Standards), and to the NJDEP Stormwater regulations as relating to the non-residential components of the plan, and shall be subject to applicable state laws and regulations in effect at the time of plan approval.

- h.** Unless expressly modified herein, all existing Borough of Hightstown Site Plan and Subdivision Ordinances and criteria shall apply to development plans submitted within the Bank Street Sub-Area I Redevelopment district as per Chapters 26, 27, 28 and 29 of the Borough of Hightstown Code. In the event of any inconsistencies between the approved Redevelopment Plan and the

aforementioned Code chapters, this Redevelopment Plan shall govern.

- i.** The Planning Board is hereby authorized to grant all necessary relief pursuant to N.J.S.A. 40:55D-70a., b. and c., as well as all requested waivers.
- j.** A final project market study shall be submitted to the Planning Board together with a Site Plan application.
- k.** All NJDEP environmental remediation documents, including all approvals, regarding the Mill Property shall be submitted to the Planning Board and Borough Engineer together with a Site Plan application.

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Resolution 2015-26

*BOROUGH OF HIGHTSTOWN
COUNTY OF MERCER
STATE OF NEW JERSEY*

NAMING AN ACTING DEPUTY CLERK FOR EXECUTIVE SESSION

WHEREAS, The Borough Clerk is not available for the January 5, 2015 meeting of the Borough Council; and

WHEREAS, it is the desire of Borough Council to deputize Frederick Raffetto, Borough Attorney, to perform the duties of the Borough Clerk for the executive session portion of this meeting; and

WHEREAS, Frederick Raffetto, Borough Attorney shall perform all the duties of the Borough Clerk for said meeting.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the Borough of Hightstown that Frederick Raffetto, Borough Attorney, is hereby named as Acting Deputy Clerk for the executive session meeting of the Borough Council on January 5, 2015 and shall perform the duties of the Borough Clerk for said executive session meeting.

CERTIFICATION

I hereby certify the foregoing to be a true copy of a resolution adopted by the Borough Council at a meeting held on January 5, 2015.

Debra L. Sopronyi
Borough Clerk

Resolution 2015-27

*BOROUGH OF HIGHTSTOWN
COUNTY OF MERCER
STATE OF NEW JERSEY*

AUTHORIZING A MEETING WHICH EXCLUDES THE PUBLIC

BE IT RESOLVED by the Mayor and Council of the Borough of Hightstown that this body will hold a meeting on January 5, 2015 at the end of the open public meeting in the First Aid Building located at 168 Bank Street, Hightstown that will be limited only to consideration of an item or items with respect to which the public may be excluded pursuant to section 7b of the Open Public Meetings Act.

The general nature of the subject or subjects to be discussed:

Personnel – Professional Services
Contract Negotiations – Shared Services (Various – Police/Dispatch/Court)

Stated as precisely as presently possible the following is the time when and the circumstances under which the discussion conducted at said meeting can be disclosed to the public: April 5, 2015 or when the need for confidentiality no longer exists.

The public is excluded from said meeting, and further notice is dispensed with, all in accordance with sections 8 and 4a of the Open Public Meetings Act.

CERTIFICATION

I hereby certify the foregoing to be a true copy of a resolution adopted by the Borough Council at a meeting held on January 5, 2015.

Debra L. Sopronyi
Borough Clerk