



THE CITY OF NASHUA

Division of Public Works

Administration

"The Gate City"

Board of Public Works Meeting of November 21, 2016

Agenda

A meeting of the Board of Public Works is scheduled for Monday, November 21, 2016 at 5:30 p.m. in the Auditorium at City Hall, 229 Main Street, Nashua, NH 03060.

I. Roll Call

II. Motion: To approve the Agenda as presented.

III. Motion: To approve the minutes of the Board of Public Works Meeting of October 27, 2016.

IV. Public Comment

V. Step III AFSCME Grievance

A. 16-11

VI. Street Department

A. Motion: To accept the retirement of Theodore Sullivan, Fleet Maintenance Foreman effective December 16, 2016.

VII. Wastewater Department

A. Motion: To approve the User Warrants as presented.

B. Motion: To approve the purchase of a R.S. Technical Inc. Pipeline Inspection Camera System from H.P. Fairfield, Pembroke, NH price of \$138,600.10 pursuant to the Huston-Galveston Area Counsel (HGAC) contract SC01-15. Funding will be through Department: 169 Wastewater; Fund: WERF - Collection Systems; Account Classification 81 Machinery & Equipment.

C. Motion: To approve the purchase of a 2017 Freightliner M2 106 Medium Duty Box Van for use as the Pipeline Inspection Camera Van from Freightliner of New Hampshire in Londonderry New Hampshire for a price of \$78,544.00. Department: 169 Wastewater; Fund: WERF - Collection Systems; Account Classification 81 Machinery & Equipment.

D. Motion: To approve the selection of Mr. Scott R. Law of Nashua, NH to the position of Mechanic WWTF 1st Class at the Wastewater Treatment Plant. Starting salary for this position will be \$26.97 per hour. Funding will be through: Department: 169 Wastewater; Fund: Wastewater; Account Classification: 51 Salaries & Wages.

VIII. Engineering Department

- A. Motion:** To approve the Residential and Commercial Wastewater Service Permits and Fees as submitted.
- B. Motion:** To approve the contract for engineering services for repairs to the Henri Burque Pedestrian Bridge to CLD Consulting Engineers of Manchester, NH in the amount of \$17,107. Funding will be through Department: 160 Admin/Engineering; Fund: Capital; Activity: Bridge Rehabilitation.
- C. Motion:** To authorize the request of Holland Hampshire, LLC to use one sewer service to service two individual lots (proposed Lot 88-1, 537 Amherst Street and proposed Lot 88, 539 Amherst Street), with the noted stipulations.
- D. Informational:** Update on Burke St Construction Completion
- E. Informational:** Update on 2016 Paving Program
- F. Motion:** To approve a professional services contract with Hayner/Swanson, Inc. of Nashua, NH to perform Project Wide Management Support for the Broad Street Parkway in the amount not to exceed \$120,000. Funding for this contract is through Department 160 Engineering; Fund: Bond; Activity: Broad Street Parkway.

IX. Administration

- A. Informational:** Budget Transfers
- B. Informational:** Update on Burke Street
- C. Informational:** Director's Report

X. Commissioner's Comments

**Board of Public Works
Meeting Minutes**

October 27, 2016

A regular meeting of the Board of Public Works was held on Thursday, October 27, 2016, at 5:30 p.m. in the Auditorium at City Hall, 3rd floor, 229 Main Street, Nashua, NH 03060.

Mayor Donchess called the meeting to order at 5:30 p.m. and called the roll.

Members Present:

Commissioner Paul G. Bergeron
Commissioner Tracy Pappas
Commissioner Moriarty (Arrived after roll call at 6:20 p.m.)
Commissioner Joel Ackerman

Members Absent:

Mayor Jim Donchess

Also Present:

Ms. Lisa Fauteux, Director of Public Works
Mr. Andrew Patrician, Division of Public Works Operations Manager
Mr. Jon Ibarra, Superintendent of Streets
Mr. Jeffrey Lafleur, Superintendent of Solid Waste
Mr. Nick Caggiano, Superintendent of Parks & Recreation
Mr. Steve Dookran, City Engineer
Attorney Andy Prolman, Prunier & Prolman

Motion: To approve the Agenda as presented.

MOTION: Commissioner Pappas to approve the amended Agenda as presented.

SECONDED: Commissioner Ackerman

MOTION CARRIED: Unanimously

Motion: To approve the Minutes of the Board of Public Works Special Meeting of September 29th 2016.

MOTION: Commissioner Pappas to approve the Minutes of the Board of Public Works Special Meeting of September 29, 2016.

SECONDED: Commissioner Ackerman

MOTION CARRIED: Unanimously

Motion: To approve the Minutes of the Board of Public Works Special Meeting of October 12th 2016.

MOTION: Commissioner Pappas to approve the Minutes of the Board of Public Works Special Meeting of October 12, 2016.

SECONDED: Commissioner Ackerman

MOTION CARRIED: Unanimously

Commissioner Pappas

I did read through the meeting minutes of the October 12th meeting for Infrastructure and my guess is that they are both here from the neighborhood regarding the approval for a street and when you come to testify today, I did read through the testimony and I would appreciate it if the folks would say if they would like the city to accept it or not and what would be helpful to the neighborhood. I did read through it and I thought there were legitimate concerns and I think that what folks think would be the best for the neighborhood, I would appreciate hearing that.

Public Comment

Mr. Bernie Cote, 22 Greenlay Street

I am here tonight to talk about the incident that happened on Main Street with Jacob Goulet. I recommend that those stainless steel covers be changed to steel or that they be clamped as soon as possible. I know that they have clamped the one where the accident happened but I think the Board needs to get out and check every one of them so we don't have this happen again. It's never happened before in this city regarding these covers and I know that there was an article in the Telegraph that said it was the wind that moved it and I don't buy that. I leave my little trash and recycled bottles outside and the wind did not move mine so I don't buy that this was moved by the wind. I know that they secured it now but I think it's a little late. I don't want to take all night but I think it should be changed to regular steel and not aluminum and all of them should be checked and clamped down. I would appreciate it very much if the Board of Public Works could look into it.

Step III AFSCME Grievance

A. 16-9

Commissioner Bergeron

Is this going to be aired in the public?

Director Fauteux

Yes, it is.

I would like to invite Andy Patrician, Jon Ibarra and Jeff Lafleur up and then members of the union, whoever would like to present.

Mr. Ryan Lones, Chief Steward, AFSCME, Local 365

I represent the City of Nashua employees. To get everybody up to speed, this is in reference to grievance number 16-9 and in reference to Mr. MacLean who is here. His grievance is in reference to an open operator position that was existing within the street department. Mr. MacLean was the only internal employee to apply for such position. Within this position, the PDF, he needs a valid CDLA which he acquires and he also has a Mass Hydraulics License that is not required in this PDF but he has operated for other companies. We feel as that this grievance possesses minimum qualifications for such a position. According to Article 11, vacancies, promotions and transfers, under line three, it is in agreeance with the City of Nashua, the union, according to the contract, that wherever possible promotions shall be made from within the ranks of regular employees who are employed in the department in which the vacancy occurs. This would be the street department. Section C of that same article you will see that there is a probationary period, a trial period of such for 60 days. Also, in line three there is a line that states that management has the right to also extend such probation by another 30 days if needed. In reference to this employee who is trying to better himself and essentially putting food on the

table for his family, there is no displacement of disapproval of such job; he would just end up going back to being a truck driver if the probationary period didn't pan out. That's all I have for you, I would be happy to answer any questions for you.

Commissioner Pappas

Can we ask questions to both sides?

Director Fauteux

Yes, you might want to listen to Jon and Andy and then you should absolutely be able to ask questions of both.

Mr. Jon Ibarra, Superintendent of Streets

As Ryan had stated Alex did put in for the job. He was the only internal candidate. We knew nothing about him as far as his skill set. Even though in reviewing his resume it indicated that he didn't have any experience he was an internal candidate so we wanted to give him an opportunity to come in and interview and go through our practical exam. Jeff and Andy were both part of the interview team including myself. After performing the interview and witnessing his operating ability and looking at the minimum qualifications for the job, where it states that you need a minimum of one year relevant experience to perform the duties in this job, which would include having the ability to run a loader, a dozer, a backhoe, a grater, an excavator, rollers, pavers, a sidewalk tractor with a plow and a blower and any rental equipment that we may acquire to perform the tasks that we do in our daily routines. According to his resume, he has had experience in a bob cat and plowing with a 10-foot blade on a backhoe. We didn't feel after going through the interview process that he was ready to have this opportunity. I have to think of the safety of the crews when we are out in the street digging around the utilities, high pressure, low pressure gas, water/sewer, overhead wires and underground fiber optics. He has potential. I was advocating that he get his training and that he pay attention to his senior operators and learn the job and then try again later down the road. That's where we were going with it.

Director Fauteux

He was tested, correct?

Mr. Ibarra

Yes, we did test him with three pieces of equipment, one was a backhoe and the practical scenario was to take a sump that was on its side which is a catch basin structure, it's a 4-foot diameter free cast structure utilizing the machine, a chain and hoisting pins to right the structure and then hoist the structure, set it in the back of a truck, release the tension on the chain, get the okay, the green light and then remove that structure and then set it back on the ground safely. During that process it took him 15 or 20 minutes just to get the structure up. Then when he got hoisted after getting in and out of the machine a few times to hook and unhook he did manage to get it into the truck. It bounced off of the side but I didn't hold that against him because he did get it in. It should have been a fluid and efficient thing, a smooth operation and it wasn't. The second scenario was that we took him out back with an excavator and asked him to load a truck with a pile of stone that was out back in the landfill. He got the stone on the truck. It was shaky and unstable but he did achieve the task. The third scenario was that we asked him to dig a trench that was 8' x 10' so he put the 10-foot long, going for a supposed sewer pipe that he was trying to expose and dig it to an OSHA state standard without the use of a trench box. We wanted to see if he could dig a standard hole that was compliant for safety and that didn't work out. As far as operating he was just reaching out and digging with the bucket and not using a fluid motion. He hooked the track with the tooth and that could cause damage to the machine. It's just my opinion. I've been around equipment my whole career between fire service and excavation. These guys have got 20+ years around heavy equipment. This was a general consensus and not a single decision. We feel that he needs the

training for the safety of the crews that we are working around, the guys who are in a hole, the guys who are in the street around him, pedestrians and vehicle traffic. You have to have a certain skillset to do that job. He's going to go automatically into the rotation. There are eight operators. We may keep him sheltered away from that kind of stuff when we can but he's in the overtime rotation so if there is an emergency dig and he's the only guy available then he is going to end up in that position and have to do that job and I don't want to take that chance at this time personally because I am responsible for that. That's how I feel.

Commissioner Pappas

This is interesting because I think both sides did a great job presenting. This is different than what we have had before. In the past we had several grievances that they were objecting to the tests and there were several internal candidates. This is the first time that there was one internal candidate and they went ahead with the test. In reading it, it was clear to me that there is some confidence in this applicant and I think that this applicant has been encouraged to go ahead and go on and get more training and that there is certainly a lot of potential there. I do think that we have to take a look and if we are told that there may be safety issues with other crew members or for hitting a gas line, I would err on the side of safety. That being said, I would certainly encourage this person because it sounds like this is a pretty decent employee and it sounds like this individual is being encouraged to get a little bit more hours behind him.

Mr. Ibarra

That's correct, we are all about promoting from within but you have to develop a certain skillset to move forward and that takes time, especially operating.

Commissioner Pappas

It is not an easy thing but as I said I think that both sides did a very good job presenting their case.

Commissioner Ackerman

Will Alex have an opportunity to do training over the new term?

Mr. Ibarra

Yes, he sure will.

Commissioner Ackerman

How long would it be before he could re-apply for the position? Is there a particular timeframe?

Mr. Ibarra

When there is an opening would be the next opportunity which gives him time to develop those skills and be sharp and ready and prepared for it. Yes, there is a turnaround. I've seen at least three or four equipment operators in the five years that I've been here go through the rotation. It will open up again.

Commissioner Ackerman

The fact that this grievance went through would not be held against him, correct?

Mr. Ibarra

No sir, I just want to be safe.

Commissioner Bergeron

I am looking at the minimum one year requirements for loader, dozer, backhoe, grater, excavator, roller, paver, sidewalk plow, tractor trailer, laser equipment and tag-alongs. How many of those did he have experience on?

Mr. Ibarra

He showed experience in a bob cat and running a backhoe with a 10-foot blade and that was related to snow removal according to his resume.

Commissioner Bergeron

So the process was that the job was posted, he applied for the job, he was the only applicant and then what? Did he get a verbal interview?

Mr. Ibarra

A verbal and a practical, we actually put him in the seat to see what he can do but first he gets a verbal and then we decide if he is either going forward or not going forward at that point.

Commissioner Bergeron

Okay so at that point he was able to show you what he could do with the equipment.

Mr. Andrew Patrician, Division of Public Works Operations Manager

In that verbal interview the applicant did say that he had no seat time in equipment working around utilities or sewers. He said he had worked as a laborer in that capacity but actually had no seat time in the equipment.

Mr. Lones

They said that the qualifications said this employee would need one year of relevant work experience. Mr. MacLean has worked for the City of Nashua for over a year and I've had the opportunity to acquire operator's hours so he hasn't acquired 120 hours but he has had that opportunity. I could be mistaken but I believe he only has 4 hours of operator hours.

Mr. Patrician

That's correct.

Mr. Lones

Me, personally, I have worked for the city for six years and the only way to operate, especially in the street department, is to do the duty as the work is being done. Let's say I am out on the street and we are paving, the only way that I would potentially get operator hours is if I jumped on a roller with the permission of a foreman and that such operator felt comfortable with me being on it and then I would acquire hours by that.

Mr. Patrician

That's correct.

Mr. Lones

It's not going to be as easy for this employee to get his operator hours as stated. They also touched base on rotation. There is this thing of having more senior operators. The senior operators operate before junior operators so this employee will have the opportunity to operate given that Mr. Ibarra gives that to him. Aside from that he will be used in the laborer capacity more than he will as an operator until his time comes and he is able to operate. Based off of the minimum qualifications and he gets put into this job he will have such time to operate all of that equipment. I think even Mr. Ibarra has been here just a little bit of a shorter time than me came into the field with experience but how much of that equipment did you actually run while you were at the street department? Very little.

Mr. Ibarra

Every piece except a crane buddy.

Mr. Lones

Very little. An excavator, a backhoe, a roller; you are talking very basic pieces of equipment.

Commissioner Pappas

I guess this would be for either Mr. Patrician or Mr. Ibarra or a combination. If we have plenty of people on a crew, if there is someone who wants to learn, would they be able to hop in?

Mr. Ibarra

What they do is they approach the operator that is on the job that they have been working with and if that operator and that foreman consent to it and are comfortable with it given the task that they are doing, yes, they can get seat time. That's where hone your skills. It might be a half of hour here and an hour there but that's the opportunity that is provided.

Commissioner Pappas

Is there plenty of cooperation?

Mr. Ibarra

Yes, everyone wants to see everybody grow.

Mr. Lones

It really depends on how the operator feels with being comfortable getting out of that particular machine. Let's say you were digging next to gas or sewer and you didn't want to puncture a main line of any sort, water, sewerage, gas, it doesn't matter, if that operator is digging in that capacity then Mr. MacLean is not going to have the opportunity to dig. If they are digging in the street which they do because it's the street department it would be very hard for him to obtain the hours and it would also be hard to be able to obtain the amount of ability to run all of those pieces of equipment which I've never seen someone do in the time that I have been here. It's very sporadic. You usually use very few pieces of equipment and very basic pieces of equipment.

Commissioner Pappas

I think that both sides did a great job but in the end I am feeling that we have to err on the side of safety. I certainly hope that we do give every opportunity for our employees to grow because I think it's good for us to give promotions from within but at the end of the day if I am hearing that it might be a safety issue, I would err on the side of safety.

MOTION: Commissioner Pappas to deny the grievance.

SECONDED: Commissioner Ackerman

Discussion:

Commissioner Ackerman

I wanted to take a moment to echo what Commissioner Pappas said with regard to safety. Safety comes first and the well-being of everyone. I would certainly encourage this person to do everything whether it be on the job training or anything of that nature. To gain that experience and gain that fluidity that you were speaking about and I would certainly hope people would want to hire from within but to your point, safety first for the public and your own employees and colleagues.

MOTION CARRIED: Unanimously

Aldermanic Referral

R-16-071 - AUTHORIZING THE CITY OF NASHUA TO EXTEND THE LEASE AGREEMENT WITH THE NASHUA DOG OWNERS GROUP, INC. FOR THE DOG PARK AT YUDICKY FARM

MOTION: Commissioner Pappas for a positive recommendation for R-16-071 - Authorizing the City of Nashua to Extend the Lease Agreement with the Nashua Dog Owners Group, Inc. for the Dog Park at Yudicky Farm

SECONDED: Commissioner Ackerman

Discussion:

Commissioner Bergeron

Very briefly, I did see that this was tabled at the Infrastructure Committee. They were basically referring it back to us and their concerns and questions were only in regard to whether we had any further plans in Yudicky.

Mr. Nick Caggiano, Superintendent of Parks & Recreation

I fully support this. The dog park people have been wonderful neighbors. They help clean up and are part of the community. They come to some of our events and we've done some projects together.

Commissioner Pappas

Obviously you have to have animals that have had immunizations and it seems like you have to be part of the group. I am curious to know who keeps track that dogs have their rabies shots and that kind of thing.

Mr. Caggiano

Nashua Dog has their own rules and guidelines and those are required.

Commissioner Pappas

So if they can do that then they obviously know if the dog has had a rabies shot or not. I agree that they are a good group.

Commissioner Bergeron

The question that the Infrastructure Committee has was whether this had anything to do with any further proposed changes that may or may not be done in Yudicky Farm.

Mr. Caggiano

I am not aware of any proposed changes to the dog park facility at Yudicky. It hasn't even been brought up in discussion. I think they are very content with what they have right now.

Commissioner Ackerman

Was the original lease term the five years?

Mr. Caggiano

Yes it was.

MOTION CARRIED: Unanimously

Engineering Department

- A. MOTION:** Commissioner Pappas to approve the Residential and Commercial Wastewater Service Permits and Fees as submitted.
SECONDED: Commissioner Ackerman
MOTION CARRIED: Unanimously
- B. MOTION:** Commissioner Pappas to approve a Drainlayer's License for Nardone, Inc., 45 Outlook Road, Wakefield, MA, 01880, in accordance with Nashua City Code §255-19 Issuance of Drainlayer's License.
SECONDED: Commissioner Ackerman
MOTION CARRIED: Unanimously
- C. Informational:** Update on 2016 Paving Program
MOTION: Commissioner Pappas to accept and place on file the update of the 2016 Paving Program
SECONDED: Commissioner Ackerman
MOTION CARRIED: Unanimously
- D. Informational:** Amherst Street Improvements Project with Continental Paving, Inc. of Londonderry, NH – Schedule Impacts
MOTION: Commissioner Pappas to accept and place on file the Amherst Street Improvements Project with Continental Paving, Inc. of Londonderry, NH, - Schedule Impacts
SECONDED: Commissioner Ackerman

Discussion:

Commissioner Ackerman

Can Mr. Dookran give us a little commentary and visibility beyond what is available here?

Mr. Steve Dookran, City Engineer

The primary delay has to do with the utilities getting out of there much later than we anticipated. We talked about this project last year about getting out there first thing this year. The utilities said they were interested in doing the work and at no cost to the city and we were all excited about that. We haven't paid any money but they would not move until we had a contract with the construction contractor which is Continental, but that was late in the year and then apparently, they started doing their planning and that took a lot of time. We also didn't realize that there really wasn't open communication between the two main players. The poles are owned by one of the utilities and then you have five carriers on the poles so you really have to have open communication to get things going. It so happened that Fairpoint, who owns the poles, put a few of them in the wrong location, not according to the design location and then the electric company couldn't run their power and they needed the poles to be relocated. There were problems in relocating the poles because there are times that you have other issues. You might remember that we had an incident where the traffic signal was hit and you have to put temporary wires. The temporary pole happened to be in the way of relocating the utility pole. All of these complications add to all of the delays in just getting each of the five utilities in turn took more and more time. Continental was out here trying to do as much as they could working around the utilities but it got too late to want to have to pave, it's too cold to top paving so we have worked out a plan for when they shut down, which we expect to be done in three weeks or so and then resume in the spring. One of the things that we are trying to achieve even though we shut down is to open up the left turn out of Charron Avenue. I think people believe that will manage the traffic better and we intend to get that in before we close the job for the winter. You see in the memo that we have done a change order and it included some of the additional work because of the shut-down but most of it had to deal with unanticipated construction work and changes in the drainage; in fact there was a large drain structure that was in the way that we did not know existed so that involved quite a large investment cost. We were fortunate enough to get it into the contract, a contingency, so that's why you haven't seen a change order because we had a contingency just for that kind of reason.

Commissioner Bergeron

So basically the jug handle will stay until spring but the left hand turn off of Charron Avenue we are hoping to accomplish by the end of this year?

Mr. Dookran

That's correct.

MOTION CARRIED: Unanimously

- E. MOTION:** Commissioner Pappas to approve a contract with Fremereau Appraisal, Inc. in the amount of \$14,500 for the appraisal of six Broad St Parkway parcels or portions of parcels declared as surplus. Funding will be through: Department: 160 Administration; Fund: Bond; Activity: Broad Street Parkway.

SECONDED: Commissioner Ackerman

MOTION CARRIED: Unanimously

MOTION: Commissioner Pappas to suspend the rules to allow for public comment regarding Cherrywood Drive.

Discussion:

Commissioner Pappas

At the beginning of the meeting we had looked at the testimony of the Infrastructure Committee meeting and looked at the concerns of that area. I thought that there were some legitimate concerns. What I would find interesting to see if you think that it's going to be helpful or not helpful to the city to accept as a public drive that would have been one of my questions.

SECONDED: Commissioner Ackerman
MOTION CARRIED: Unanimously

Public Comment

Mr. Ajay Pareek, 120 Cherrywood Drive

I live on the corner of Cherrywood and Annabelle Court. Basically our concern is that this development has been going on for the last ten years and the progress of all of the streets has been very slow. They were trying to do some work over the last couple of years and try to improve things but it's not completely improved. There are issues and concerns on the cul-de-sac area and also the grass strip that is along the sidewalks. They are not seeded properly and in the cul-de-sac the roundabout is not completely done. We think those problems should be addressed first before the city accepts it. The driveways were rebuilt but they have cracks. If you travel along Cherrywood Drive, if you go further than the roundabout, that's basically the limit. Beyond Ridge they are not accepting it but we still think that area is still really hard to drive around that area and there are safety concerns. It has to be properly curbed, there is no curbing done yet. I just have multiple concerns. I have some pictures that I sent to Mark Cookson and maybe he can share that with you.

Mr. Kiran Bommareddy, 5 Annabelle Court

I have a question that the city can take it over and do it but then it comes to the original question of is it ready for you to take it and probably you have to fix those roads and the builder has to fix it even before you taking them. If the city takes it then the city has to pay the money to fix it. That's my comment. The roads are not in a state for the city to take them.

Mr. Pareek

Only part of the Cherrywood Drive is sort of done but beyond that it's still a work in progress and it's been almost 10 years and you go further to Ballerina and a lot of things have been dug up so our suggestion is why not let the builder just completely finish the project before the city accepts it, otherwise we just have to wait a few more years for the builder to actually complete that part of Cherrywood which is still not completely done. The curbing has not been done. Maybe by next year they can finish it and then the city can accept them. We just don't feel safe driving in that area. You can come and take a look and drive around and see for yourselves.

Mr. Prasad Thiriveedi, 6 Medallion Court

I live on the roundabout and the roundabout was never touched. I collected some pictures this afternoon. I was the first one on the street and never bothered to worry but after buying the house and its owner occupied still the construction is going wrong. Every year he shows up as he is doing something and then he leaves there and it doesn't go anywhere. He doesn't finish it. He digs on the one side and then dumps on the other side and leaves and he can see the gravel everywhere and the gravel ends up on the lawn and also it

damages the driveways because when the city plows the snow it all ends up coming onto the driveway. It's a safety concern too because my son is 7 years old and I still cannot allow him to play outside because it's not safe and there is a lot of dirt. Also, he comes up with a big stick of steel which makes a big noise. He can complete the screening in one or two weeks because we can live somewhere else and then come back but it's not happening.

Mr. Bommareddy

Is there a best way to resolve this issue, can we work with someone from the city like a point person?

Commissioner Bergeron

We are going to discuss that and get the information from the superintendent, maybe from the city engineer as well. I did read the minutes of the meeting so we are aware that it was tabled at the Infrastructure meeting pending it coming to us. I did go out and drive around there yesterday and I took some pictures which I forwarded to the commissioners as well basically of the roundabout and the gravel. That first roundabout that is not finished and then I did go onto Tamara and Moonstone and Annabelle and took pictures of those. The question is what is the city's responsibility and what's the developer's responsibility, etc. I think some of it is maybe a little bit of what was not communicated on who is responsible for what and so I think we will be able to get some of the answers here for you.

Commissioner Pappas

Does the city plow your road or is the developer still responsible?

Mr. Thiriveedi

The city does it I think, at least in our area for sure.

Commissioner Bergeron

The city has been plowing the road and picking up the trash.

Mr. Thiriveedi

Yes.

Mr. Dookran

The plowing and the trash are done by the city.

Commissioner Pappas

I was thinking that would be something to hold over the developer if they were plowing the road or doing the trash.

Commissioner Bergeron

We are aware of your concerns. Again, some of your concerns aren't dealing with what is before us tonight in some of the other sections as well. If we did approve this tonight we would only be accepting these portions and not some of your other concerns which can certainly be brought up.

Mr. Thiriveedi

We came for acceptance in this meeting, right, and so what does the city think? Do you think that it is ready to be accepted?

Commissioner Bergeron

As soon as we are done with you gentlemen we are going to bring up the city engineer and we will listen to what he says and figure out what is the city's responsibility and what is the developers responsibility and then I think what is going to happen, and I did speak to someone who lives in your neighborhood, and she is not in your area but she is in a roundabout as well and I saw her today at a meeting that wasn't pertaining to this and I asked her who takes care of that cul-de-sac. She has the exact same thing you folks have and she said they did and said it was never clear on who maintains that and she said the residents there do. I think some of your concerns from what I read, and I'm not sure if it was you gentlemen or other folks that came to the Infrastructure meeting, but it was a question of who is maintaining those. I know the shrubs and I did take pictures and the commissioners have seen those.

Mr. Pareek

Regarding that, for example, my driveway, about 1 ½ years ago when they were putting the curbs on Cherrywood Drive and Annabelle, they basically re-dug part of the driveway and now it's really steep and part of the driveway has basically developed a crack. I know some of the other residents have the same concerns about their driveway too. I don't know who is responsible for that.

Commissioner Bergeron

Are you on Annabelle?

Mr. Pareek

I am actually on the corner of Cherrywood and Annabelle. Now there is a crack developing so they probably didn't do the job properly. Who should I be talking to about that? I am sure there are other residents who have voiced concerns about this.

Mr. Thiriveedi

When ice forms it's very hard to join the road because of the slope and there have been a couple of accidents.

Mr. Bommareddy

It's not about the tires, it's something about the way the road was made so it gets icier in that area and that is a cause of concern.

Mr. Dookran

Indeed the development has been going on for many years.

Commissioner Pappas

It sounds to me like the residents are saying we shouldn't accept it and I figured if the developer who was responsible for plowing and trash that would be a good thing to hold over their head so I guess once you go ahead and explain, if you have a sense as to what happens if we deny it being a public road.

Mr. Dookran

So it's been going on for many years and we've had a host of problems, not just in public works but the people planning and community development with things not making the right amount of progress and the developer is looking for permits and occupancy certification and so on. The explanation that came back from the developer has to do with when the development started, and this was ten years ago, it was just at the beginning of the housing collapse and he wasn't turning out the houses as fast as he anticipated so he couldn't get his money back for his capital expenditures to reinvest in the infrastructure. I think we understood that. He said his investment wasn't a good one and it took him a while to recover. It's gotten better in the last couple of years. One of the problems I think with that development is the way it is the way it proceeded. If you remember Maplewood went in four phases and it progressed from one into the other. When Gagnon Farms came along and wanted to extend Cherrywood, it went from where the neighborhood ended to Ridge Road. In hind sight it would have been better to continue along Cherrywood to Ridge Road but instead what they did is they came from Ridge Road and they did the first portion of Ridge Road and the cul-de-sac off of that portion and they are moving towards (inaudible) so people now are inhabited in what was completed and all construction; vehicles don't have to travel on the completed section causing construction impacts more than anyone wanted to have. For that to me is a problem but it's too late. If the developer didn't run into financial issues maybe it would have all been done within a few years, six or seven years ago and everyone would have been much better off. Nevertheless, a portion of Cherrywood was completed as well as the cul-de-sac off of that portion and the portion ends at the roundabout so the roundabout is not part of the acceptance.

Commissioner Bergeron

So you are talking about that unfinished roundabout by Medallion. So we are talking on this plan just this gray area is what we are accepting and that unfinished roundabout is not part of this.

Mr. Dookran

That's correct.

Commissioner Pappas

Was it all done by the same developer?

Mr. Dookran

Yes.

Commissioner Bergeron

At some point they will come to get a street acceptance of that.

Mr. Dookran

That's right.

Commissioner Bergeron

That first picture, it is a mess.

Inaudible dialogue from a member of the audience who did not approach the microphone.

Mr. Dookran

Regarding that, with some developers that would work but this developer said that it couldn't because he's got bond money tied up, hundreds of thousands dollars tied up in the pieces that he wants to be accepted so he can that bond released and reinvest that into the unfinished section. The city has a process after the streets are accepted the developer needs to post a maintenance bond for another two years for a much reduced amount so we would coverage for maintenance should we need it, we could use the bond to cover the maintenance. For the record, do we take the developer at his word that he can't afford to do the whole thing before acceptance, I don't know. I think the city has to be fair about this, how we apply for roads and what acceptance is. As long as it's a portion of a street that is completed and it meets all of the criteria for acceptance then we have to proceed and that's by law and if we don't the street, through natural traffic and construction traffic will continue to deteriorate and two years down the road let's say everything is ready for acceptance he may have to go back and reconstruct portions and that's what I am talking about fairness that comes into play here. Do we wait...for three years and then its three years older and damage caused by plowing and just natural use.

Commissioner Bergeron

So in these developments like this, the roundabout in the center strip, that is now part of what? Who is responsible for that center strip that's going down there?

Mr. Dookran

The median along the piece that is going to be accepted, that's within the right-of-way and in this case it is the city that would be responsible for maintaining that.

Commissioner Bergeron

Responsible for what, maintaining the curbing and what have you?

Mr. Dookran

Yes and the landscaping. There are developments in the city where the developer has made arrangements with the homeowners and the one that is mentioned in the minutes, in the development off of Ridge Road, there is a homeowner association grievance that will put that burden on the homeowners. They have formed an association and they will take on those common pieces within the right-of-way but that's not happening in this case.

Commissioner Bergeron

So the city will be responsible for maintaining the shrubs and landscaping on the median and those three roundabouts?

Mr. Dookran

Do you mean the cul-de-sacs?

Commissioner Bergeron

Yes, the cul-de-sacs on Moonstone, Tamara and Annabelle; we would be responsible for maintaining those shrubs and what have you?

Mr. Dookran

Yes.

Commissioner Bergeron

Have you seen the condition that they are in now?

Mr. Dookran

I have seen it but what we have found...as far as the condition goes, I think the developer has proposed that he use woodchips so it would essentially be maintenance free. The city doesn't have the resources to maintenance...what you find in most sub-divisions that have been established, the homeowners around the roundabout take care of them. We hope that in public works because I don't think that public works can take care of all of these. The developer has proposed these wood chips and hopefully that is maintenance free. As far as the latest residents want to pitch in and take care of them, I don't think the city will have a problem allowing them to do so. As I have mentioned, there are other developments that there is a homeowners association by agreement with the city.

Commissioner Pappas

My sense is, I mean a lot of people took a bath when we had that housing crunch but my sense from the neighborhood, from looking at the meeting minutes from Infrastructure is that they don't want us to accept it. I think if we accept it then it will take pressure off of the developer and I want to put his feet to the fire. I will not support accepting this as a public street because I think that this individual, this company, should be held accountable.

Commissioner Moriarty

Engineer Dookran, from your standpoint, the developer has met all of the city requirements regarding it for public use?

Mr. Dookran

At the time we accepted the petition to bring forward, everything public was a minor (inaudible) it may have been in acceptable condition. We sent out letters to the neighborhood welcoming input regarding the condition and we barely received anything and I can't remember how long ago. Upon not receiving any meaningful comments we forwarded the petitions to the Board. It took a while to get them to the Aldermen, to Infrastructure and now here. You might remember that we did bring this to the Board before but it's been a while. There are a few things now. We have had a drought, the grass has died, the trees have died and we know the developer will act on those but the basic infrastructure is the curbing, the pavement, the drainage and the sidewalks. They are all in good shape. I heard some comments about driveways; driveways are not within our purview. That's like having a crack in your house, we can't comment on that. They would have to deal with it through their warranty.

Director Fauteux

If we approve the acceptance of this section is there any way that we can force the developer then to do some additional work? Can it be a contingent approval so the people aren't left hanging?

Mr. Dookran

Right, I heard another comment about the unfinished part of Cherrywood and they have made some progress. Through personal intervention last year we got permit to rebuild that other part of Cherrywood. It was actually rebuilt from scratch. He didn't want to do it, he just wanted to overlay it and it was crumbling so we had him rebuild it from the bottom up. The curbing is in and it needs to be finished, it needs to be patched. The roundabout itself that everyone is talking about, that is delayed because they were proposing a plan that was approved by the Planning Board which included putting in cobblestone and we decided that would be a maintenance nightmare. There is a football traffic calming device down there and that was supposedly done with cobblestones and that's why we decided that cobblestones are not the right thing to do. We did some design changes recently and passed those changes onto the developer and I think their trouble is getting this curber to come in do all of that at the same time as they are doing the edge curbing. He recently said that his intention is to get the curbing into the roundabout and have that at least ready for better traffic management in the wintertime. We have seen some improvement. Regarding the future roads, I think they are making progress. The developer is working with the planning folks and getting permits and getting his occupancy certificates so he can release homes and so on. We don't get involved in that. We had done a developer's agreement years ago to hold the fire to his feet and that made some improvement. Regarding the public works part of this and the pieces that are ready for acceptance, I don't think we have any real problems right now with any of those pieces. If we do want to push them to the rest up the street to get them done more quickly we will have to work through the planning office because they are the ones who are actually in control of this development not public works. We just said that we would do the quality control and we tell the city when it is ready but we don't...

Director Fauteux

Isn't it the Board of Aldermen who has the ultimate authority on street acceptances?

Mr. Dookran

Yes, this is just a referral.

Director Fauteux

I just wanted to be clear on that. This Board is not the Board with authority.

Commissioner Bergeron

But for the record it was tabled at the Infrastructure Committee meeting and sent back to us.

Director Fauteux

Yes, they are looking for our input. I just wanted to make sure everyone knew that we don't have the authority.

Commissioner Pappas

I think the place is in deplorable condition and I can't vote to support this because I think it will put the person's feet to the favor more if we say no so I won't be able to support this.

Director Fauteux

The idea if we accept this portion that this is going to free up dollars so that the developer may be able to get some of this work done or...

Mr. Dookran

That's one of the reasons that the developer wanted...the kind of traffic that he sees through this street is not just Gagnon Farms but it's neighborhood traffic too and it will just continue to be damaged because of the through traffic and he doesn't want to be held responsible for the duration of the street.

Director Fauteux

Of course there is also a plan that was approved by the Planning Board so planning is not going to issue any certificates of occupancy unless there is a certain percentage that is completed so we have that assurance too.

Mr. Dookran

The development agreement moving forward; permits and so on, is contingent upon these portions of streets being accepted.

Commissioner Bergeron

I do know that on the new construction site that all of the developers will say that they don't get their money until phase 3 basically which are the last few homes in a development. Again, this is just a recommendation to the Board of Aldermen for the acceptance, we are not the final authority on it but maybe the residents are better off if we did accept it as a street and then any concerns that they had whether it is drainage or what have you, would be on us to look at the repair and curbing but I think a lot of the concerns that I read in the minutes was in regards to some of the landscaping and it might be a small matter but these are very expensive homes at \$500,000 plus and they have dead trees in their cul-de-sacs and it looks horrible.

Mr. Pareek

The residents in that area tried to do some landscaping and the developer came and took everything out and they haphazardly planted trees at the wrong time and they didn't grow. They came randomly from the middle of the summer and just sprayed some seed and just left. The idea that they do things it's like randomly and of course you can see that it looks like...I mean we have expensive homes, we are paying taxes but it doesn't look like a nice neighborhood. Regarding the driveway, actually I am not talking about the driveway. When they were redoing the sidewalks they dug up part of my driveway as they did for most of the residents in that area and then after they finished it, I don't know what they did but this crack showed up after that. There are some driveways that are very steep driveways so people have problems getting up to their garage, for example. These are real concerns I think they need to be resolved before anything is accepted or maybe have an agreement with the developer or the city or whoever is responsible so that the area looks better than what it has been for the last ten years.

Mr. Bommareddy

These are all premium houses and we pay for roads. He charged me \$30,000 plus.

Mr. Dookran

I will just add that there are developers that you work with and things go really smoothly. Asher Homes, we've had a lot of struggles with them, not just here but in other places and...

Commissioner Pappas

Is that the developer?

Mr. Dookran

Yes. It takes working with them and we've had other cases where we've been very tough at the city and the developer disappears, bond and all. I think we've made a lot of progress in the last few years and trying to accept these portions is probably important to continue making that progress. We will push him to get the street conditions, the ones that are complete as well as the ones need more work, to keep them in a decent condition so the neighbors are not affected as much as they are.

Commissioner Bergeron

I think the residents would be better off if we accepted these portions because again, we are only accepting the grey area on the map. I think the residents would be better off if the city did take this over and then any concerns you have would be coming to us as opposed to waiting for the developer because it sounds like you've been waiting a long time for some of these things. I think it would be good whether it's through the Ward Alderman or somebody to maybe have a neighborhood meeting and spell out a little bit who is responsible for what because I know that the woman who I spoke with said that the concern that they had which was very similar was who was doing what and it was never clear. Basically the residents in that cul-de-sac took over that and have a landscaping company and it looks beautiful. I agree that they are premium homes and I guess it wasn't clear on who is responsible for what and I think that's where the miscommunication comes in and again, my concern is that if we don't spell it out; I mean we can't certainly be taking on any more maintenance projects. It would be nice to come to some kind of an understanding with residents. I think if the residents go out and plant some trees and someone comes along and takes them out then that's certainly not cooperating, that's obviously one hand doesn't know what the other one is doing. I would recommend that it go to the Board of Aldermen.

Mr. Dookran

If there is any hesitation about taking over because there are issues that is not the right-of-way. We had an experience on Hydrangea Avenue just beyond where Cherrywood is; it hasn't been accepted and it's been around for 15 years and the reason is when it came to the Board for acceptance the neighbors showed up and complained about things that were outside of the right-of-way and the Board put in a road and since then the developer decided well I am petition the acceptance and nothing has happened since. If it's not a public street at some point in time it's going to deteriorate and I don't know who is going to repair the street but it's many years.

Commissioner Bergeron

So at some point it's better that we accept the street at the ten year mark or whatever it is.

Mr. Dookran

Yes, we can put it on our street list and attend to all of the problems that the street will eventually experience. I've listened to things that are outside of the right-of-way and we try to deal with them as well.

Commissioner Moriarty

I am just curious why before it came to this Board it wasn't already worked out in writing what the contingency is before we approve this and then he goes bye-bye and now all of the residents are not happy. Now it's an issue. I understand what you are saying that are far as the Board of Public Works and the Division of Public Works that he has met his criteria so we really have no reason to deny this but in the same respect I feel that the city does have the upper hand and could have held him to a contingency agreement in writing. Now you are going to go back to him and say now this is what we think we want you to do and he's going to say I have my approvals.

Commissioner Pappas

I think we can still vote no.

Commissioner Ackerman

Mr. Dookran, when we had a presentation at our last meeting on October 12th I was led to believe that this was a critical date for the Renaissance but then during tonight's meeting I hear that this is only a referral by this group in order to get it to move on to the Aldermen. Is there truly a critical reason why we must approve this tonight because they have a closing tomorrow?

Director Fauteux

That's not related to this, that's Bancroft Street which we will take up later.

Mr. Dookran

The issues that are not right-of-way, the city, meaning community development hold the developer responsible for certain things like deficiencies that develop within the driveway, I think it comes down to what is the city's responsibility. I believe that they purchase the house from the seller then it's between that owner and the seller like any private deal. So the warranty kicks in, the insurances kick in and so on. I believe that is where some of those issues lie.

F. MOTION: Commissioner Pappas to recommend to the Board of Aldermen the Acceptance of a portion of Cherrywood Drive (830 feet), Moonstone Court (510 feet), Annabelle Court (675 feet) and Tamora Court (380 feet) for Public Use and Maintenance in accordance with City Code 285-21 and 22.

SECONDED: Commissioner Ackerman

Discussion:

Commissioner Moriarty

Based on your experience with other developers and builders, your recommendation would be that we should proceed forward at this point in time based upon your experience and let the builder continue to work with the residents?

Mr. Dookran

Yes, that is my recommendation. It's not perfect but based on my experience I would recommend moving forward with accepting.

Commissioner Bergeron

I just feel that the residents will be better off if we accept the streets in the long run. Even with its problems I think they would be better having to come back to the different Boards of the city as opposed to continuing to kick the can with the developer, at least with this portion of it.

MOTION CARRIED: Majority, Pappas - Nay

Director Fauteux

I was wondering if we could go out of order and take up letter C under Administration as there are a few people that are here waiting for it?

MOTION: Commissioner Ackerman to go out of order and take up the approval of the Bancroft Street Maintenance Agreement.

SECONDED: Commissioner Moriarty

MOTION CARRIED: Unanimously

Administration

C. MOTION: Commissioner Pappas to approve the Bancroft Street Maintenance Agreement.

SECONDED: Commissioner

Discussion:

Attorney Andy Prolman, Prunier & Prolman

I am representing the developer, Renaissance of Nashua Limited Liability Company. Since the October 12th meeting I have provided a full plan set of the entire plan and portions which include the Bancroft Street and how it's going to be built and laid out, where the porous paving is in the parking areas and where the regular paving is. We are moving forward to closing although it may kick into next week but it is imminent and we hope to see ground being broken in the next two or three weeks. It's been a long time coming and we are hoping for your support.

Commissioner Bergeron

This is the agreement that we have that we had tabled at our special meeting because we had just received the contract that evening.

Commissioner Pappas

I think we were going to be asked to okay it sight unseen.

START AT 14:20

MOTION CARRIED:

- A. Motion:** To approve the use of DW Highway Traffic Mitigation funds in an amount not to exceed \$7,050, to have Electric Light Company, Inc., of Cape Neddick, ME excavate, repair and patch underground conduit at the intersections of DW Highway at Graham and DW Highway at Circumferential Highway. Funding will be through: Department: 160 Admin & Engineering; Fund: Trust; Account Category: 55 Other Services.

Commissioner's Comments

Commissioner Pappas

This is a general reminder for folks regarding soft yard waste. I think sometimes in the fall that folks tend to have more yard waste in areas where it's not crowded on the streets, some folks will go ahead and put their leaves out so it's just a reminder to sticklers on the street who might think that people shouldn't be putting their

soft yard waste out, I think the ordinance gives enough wiggle room that if it is not a problem with traffic that is allowed.

Commissioner Pappas motioned to adjourn.

Commissioner Ackerman seconded the motion.

Meeting adjourned at 4:33 p.m.

DRAFT



AFSCME

®

Local 365, Nashua, NH 03060

American Federation of State, County and Municipal Employees, AFL-CIO

Date 10/5/16

Please schedule the following grievances for step II with the Director of Public Works.

Grievance Numbers: 16-11 SW

Thank You,

Chief Steward Local 365

APPENDIX C

AFSCME Council 93

OFFICIAL GRIEVANCE FORM

Employer City of Nashua Date Submitted: Step 1 9-19-16
 Local No. 365 Dept. Solid Waste 2. _____
 Local Grievance No. _____ Class Action 3. _____
 Grievant Matt Davidson 4. _____
 Title C.E.O. 5. _____
 Address _____ Work Phone _____
 Home Phone _____

Immediate Supervisor Jeff Lafleur Title Superintendent
 I Authorize AFSCME Local 365 As My Representative To Act For Me In The Processing Of This Grievance.
 Date 9-19-16 Signature of Employee [Signature]
 Signature of Union Rep. _____ Title _____

AT EACH STEP, MAKE 3 COPIES OF THE GRIEVANCE
 1 TO THE UNION. 1 TO MANAGEMENT. 1 WORKING COPY

STATEMENT OF GRIEVANCE

ARTICLES AND SECTIONS of the contract which have been violated:
Preamble, Article 2-C, 3 and 12, NH RSA 273-A5
and any other Related Article, Practices and State Law
 and any related articles, agreements, practices, rules, regulations, and law.

GRIEVANCE: State the facts (include date/s who, when, where, what, why.)
on 9/8/16 the City would not let Matt Davidson Return from Sick Leave
Even though he had a doctors note stating he could Return to
work. There was no consideration given to the note what so
ever. they did not ask what the ^{note} said and did not Request
documentation Prior to disqualification. The city has a Number
of Employees working and have worked on Lite duty Including
Warrantor: 9 CEO That was allowed to work with a Broken Arm

REMEDY: as of 9-8-16 Return all Sick Time used
and any overtime missed Including 8 hours on 9-10-16 and
5 hours on 9-15-16
make the Grievant and all monies whole
Back to work 9-16-16



THE CITY OF NASHUA

"The Gate City"

*Division of Public Works
Solid Waste Department*

September 22, 2016

To: Mr. Matt Davidson

From: Jeff Lafleur, Superintendent of Solid Waste

A handwritten signature in black ink, appearing to read "Jeff Lafleur".

RE: Light Duty Grievance

Cc: Lisa Fauteux, Director of Public Works

Larry Budreau, Human Resources Director

Mr. Davidson,

You filed a grievance on September 19, 2016 seeking payment of wages for time not worked. You contacted the foreman about a light duty release to return to work from a non-work related injury on September 8. Initially the City denied the request, but reconsidered and you returned to work on light duty on September 16. You seek payment of wages for scheduled work hours and perceived overtime opportunities missed between September 8 and 16.

The City is not obliged to return you to work when you cannot perform a fundamental function of your job. Nor is it obliged to pay you regular wages for time not worked. Consequently, the grievance is denied.



Peabody MA 01960
Dept Tel:

09/08/2016

Patient: Matthew Davidson
Date of Birth:
MRN:

Matthew Davidson

Wilton NH 03086

Dear Mr. Davidson,

It was a pleasure seeing you today at Lahey. You may use this letter as documentation for your employer about my recommendations regarding your ability to work.

At this time you may resume normal activities including work and riding and working on the back of a truck. You may lift and bend. I would still recommend avoiding driving until

Sincerely,



THE CITY OF NASHUA

Division of Public Works

Street Department

"The Gate City"

Board of Public Works Meeting of November 21, 2016 Street Department

Agenda

- A. **Motion:** To accept the retirement of Theodore Sullivan, Fleet Maintenance Foreman effective December 16, 2016.

City of Nashua, Public Works Division

To: Board of Public Works Meeting Date: November 21, 2016

From: Jon Ibarra, Superintendent
Street Department

Re: Retirement of Theodore Sullivan

A. Motion: To accept the retirement of Fleet Maintenance Foreman, Theodore Sullivan effective December 16, 2016.

Attachments: Retirement Letter and Response

Discussion: Ted Sullivan began his Public Works career at the Street Department 34 years ago as a Second Shift Serviceman. Through the years he held several positions from Second Class Mechanic, to First Class Mechanic, then in 2012 he was promoted to Fleet Maintenance Foreman. His professionalism, technical knowledge and diagnostic capabilities were highly instrumental in supporting the City's entire fleet.

The City would like to thank Ted for all of his years of service to the City of Nashua, Division of Public Works and wish him well in his retirement.

Theodore Sullivan
14 Metropolitan Ave
Nashua, NH 03064

November 2, 2016

Jon Ibarra (Superintendent, Street Dept.),

This letter is to inform you that I will be retiring from my position as DPW Fleet Maintenance Foreman as of December 16 2016.

Sincerely,

A handwritten signature in black ink, appearing to read 'Theodore Sullivan', written over the word 'Sincerely,'.

Theodore Sullivan



THE CITY OF NASHUA

*Division of Public Works
Street Department*

"The Gate City"

Date: November 2, 2016
To: Theodore Sullivan
From: Jon Ibarra, Interim Superintendent of Streets
Re: Letter of Retirement

I am in receipt of your letter of retirement to take effect December 16, 2016. On behalf of the City of Nashua I would like to congratulate you on your retirement and wish you continued success moving forward.

Your years of service and commitment to the City will not be forgotten.

I wish you the best of health and success in your retirement.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jon Ibarra', with a long, sweeping flourish extending to the right.

Jon Ibarra
Superintendent of Streets



City of Nashua

Public Works Division
9 Riverside Street
Nashua, NH 03062

Wastewater Department
(603) 589-3560
Fax (603) 594-3474

Board of Public Works Meeting of November 21, 2016 Wastewater Department

Agenda

- A. Motion:** To approve the User Warrants as presented.
- B. Motion:** To approve the purchase of a R.S. Technical Inc. Pipeline Inspection Camera System from H.P. Fairfield, Pembroke, NH price of \$138,600.10 pursuant to the Huston-Galveston Area Counsel (HGAC) contract SC01-15. Funding will be through Department: 169 Wastewater; Fund: WERF - Collection Systems; Account Classification 81 Machinery & Equipment.
- C. Motion:** To approve the purchase of a 2017 Freightliner M2 106 Medium Duty Box Van for use as the Pipeline Inspection Camera Van from Freightliner of New Hampshire in Londonderry New Hampshire for a price of \$78,544.00. Department: 169 Wastewater; Fund: WERF - Collection Systems; Account Classification 81 Machinery & Equipment.
- D. Motion:** To approve the selection of Mr. Scott R. Law of Nashua, NH to the position of Mechanic WWTF 1st Class at the Wastewater Treatment Plant. Starting salary for this position will be \$26.97 per hour. Funding will be through: Department: 169 Wastewater; Fund: Wastewater; Account Classification: 51 Salaries & Wages.

City of Nashua, Public Works Division

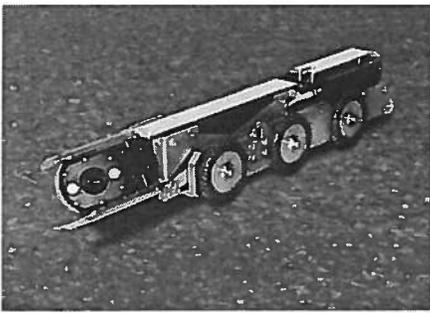
To: Board of Public Works Meeting Date: November 21, 2016
From: Noelle Osborne
Plant Operations Supervisor
Re: Purchase of Pipeline Inspection Camera System

Motion B: To approve the purchase a R.S. Technical Inc. Pipeline Inspection Camera System from H.P. Fairfield, Pembroke, NH price of \$138,600.10 pursuant to the Huston-Galveston Area Counsel (HGAC) contract SC01-15. Funding will be through Department: 169 Wastewater; Fund: WERF - Collection Systems; Account Classification 81 Machinery & Equipment.

Attachments: R.S. Technical Inc. quotes.

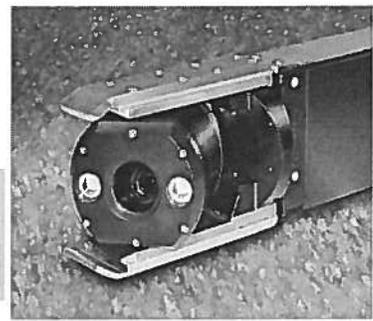
Discussion: The camera system currently in use is 15 years old and showing signs of age. Reliability has become an issue with the breakdowns of the camera, carriage, and the software is out of regulatory compliance.

The proposed camera system from R. S. Technical Inc. was the choice of the pipeline camera crew after demonstrating four systems over the last year. R. S. Technical will outfit a van with a portable office with everything necessary to record and document findings, clean up equipment and environmental controls. One of the biggest benefits of this system over the others is part availability; common repair parts for the camera carriages are available at local hardware stores instead of having to order everything. The video cable is a steel armored single conductor and easily repaired in the field with the tools supplied. Other systems have a cable with 7 smaller wires. Additionally, should a camera fail, R. S. Technical will send a loaner camera while repairs are made.



RS Technical Services Inc.

Design and Manufacture of Video Pipeline Inspection Systems



conductor THE SINGLE SOLUTION

1327 Clegg Street - Petaluma, CA 94954

707/778-1974 x236 Fax: 707/778-1981

chrisr@rstechserv.com

www.rstechserv.com

Quote Number:

000251

Salesperson:

Chris Remillard

H-GAC Hi-Cube Install
G049

Sales Quotation

Date: 8/12/2014

Expiration: 12/31/2017

Line #	Part #	Description	Price	Qty	Extend
1	051-01000	<p>Installation for 12' to 16' Hi-Cube customer supplied vehicle Installation, Trailer Office Area To Include: (1) - Linoleum flooring (1) - L-shaped countertop (1) - Printer shelf (1) - Shelf mounted equipment console (1) - 12" x 26" x 40" upper cabinet (1) - 20" x 36" bench seat with cushion (1) - 5' indirect fluorescent light (1) - 12 volt dc dome light (1) - Bulkhead door (1) - 30" x 36" bulkhead sliding window (2) - Countertop height, 110 volt ac duplex outlets Equipment Area To Include: (1) - Linoleum flooring (1) - Floor mounted, two door cabinet (1) - Rubber matting covered countertop installed on top of cabinet (1) - 12" x 20" x 40" upper cabinet (1) - Five drawer tool box with work top (1) - 5' indirect fluorescent light (1) - 18" fluorescent light (1) - 12 volt dc dome light (1) - Countertop height, 110 volt fourplex outlet (3) - Street side, wall mounted, 110 volt duplex outlets</p>		1	
2	841-20671	Cable Kit, Cutaway/Cube/Step Van, Installed		1	
3	606-18274	Rhino Liner Rubber Flooring		1	
4	703-13554	Operators Chair With 5 Casters		1	
5	050-02022	<p>20 Gallon Water Washdown System With Reel And Hose, Cutaway/Cube/Step Van, Self Contained (1) - Sink and faucet (1) - 2.8 g.p.m. water pump (1) - 20 gallon water tank with shutoff valve (1) - Retractable hose reel with 20' hose and nozzle</p>		1	

Safety Lighting

Line #	Part #	Description	Price	Qty	Extend
6	051-38603	Strobe Light, LED, Whelen L21HAP, Amber, Installed		1	
7	541-37613	Whelen Traffic Advisor TAN85 Sequential Light Bar, LED, 12 Volt DC, Installed		1	
8	051-31911-1	Floodlight Set, 27W 12V LED, Installed		1	
9	050-33939	Generator and Charging System 5.5 Kw Onan CMM Air Cooled, Gasoline Generator And All Mounting Accessories, Box Mount Installed		1	
10	841-34528	12 Volt, 55 Amp Power Supply With 3 Stage, Battery Over Charging Protection Circuit		1	
11	050-02017	Roof Mounted A/C & Heater 13,770 Btu Roof Mounted Air Conditioner With Heat Strip		1	
12	051-31419	Wall Heater, 1,500 Watt Cube/Step Van/Trailer		1	
13	020-02000-00	Mainline Controllers Mainline Controller, Single Conductor, ETL Listed (1) - Mainline controller (1) - Power cord (1) - Parts catalog (1) - System operations manual		1	
14	010-01103-01	Auxiliary Desktop Controller, Dual Tone, Zoom, Joystick		1	
15	010-01102-01	Auxiliary Handheld Controller With All Zoom Camera And Tractor Transporter Functions, Equipment Room		1	
16	030-01000-20	Mainline Cable Reel Mainline Cable Reel, Single Conductor (1) - Reel speed controller (1) - Footage counter, English (1) - 6 pin x 3 pin screw on pigtail		1	
17	569-20283	1000' of Single Conductor Cable Single Conductor, Steel Armored Cable, Per Foot		1000	
18	010-01655-201	LED Camera TrakSTAR Pan & Tilt Zoom Camera, NTSC, Single Conductor (1) - TrakSTAR rotating head zoom camera, 4 pin, with LED lighting (1) - Camera case		1	
19	032-02500-030	Steerable 6 Wheeled Transporter TranSTAR Steerable, V3, Inspection Transport Vehicle, Single Conductor (1) - Mainline steerable tractor, 6 pin (1) - Tractor to camera power cable (6) - Standard tires (1) - Tractor extension kit (1) - TranSTAR Insertion/Retrieval Assembly (1) - Tractor storage rack (1) - Tractor operations manual		1	
20	867-34822	Wheel Sets High Traction Caster Wheel, TranSTAR Tractor		6	
21	867-34843	Knobby Balloon Wheel, TranSTAR Tractor		4	
22	860-37377	8" X 2" Pneumatic Wheel Assembly, TranSTAR Tractor		1	
23	840-35686	MegaTRAK wheel kit, TranSTAR Tractor Includes: (6) - Hub assemblies (6) - 2.70" diameter wheel rings		1	

Line #	Part #	Description	Price	Qty	Extend
24	840-10352	(6) - 3.30" diameter wheel rings (4) - 4.40" diameter wheel rings (1) - Snap ring pliers Maintenance Kit Maintenance Tool Kit (1) - 6" slim taper file and handle (1) - Four in one multi purpose screwdriver (1) - 40 watt soldering iron (1) - Rosin flux solder (1) - Socket wrench set, 5/16" - 3/4" (1) - Tee handle hex wrench set (1) - Ball end hex wrench set (1) - 6" diagonal pliers (1) - 6" slip joint pliers (1) - Digital multi meter (1) - Heat gun (1) - Needle nose pliers (1) - 16 oz. rubber mallet (1) - Roll, 3/4" electrical tape (1) - Wire nut assortment		1	
25	806-31484	Test Cable, Mainline, N Plug X 6 Pin Screw On		1	
26	806-36831	Cable, Mainline, 4 Pin Female (Euro) Screw On To 6 Pin Male Screw On (Camera Test Cable)		1	
27	039-01000-10	Down Hole Cable Guide System Down hole Roller Set, Single Manhole Setup with 6 poles and Articulating Arm Cable Guide (1) - Top manhole roller (1) - Double roller (1) - Manhole adaptor hook (6) - Extension pole (1) - Grab hook (1) - Articulating arm, nylon roller (1) - Lowering rope		1	
28	040-03500-01	Data Collection Data Display Lite, Rack Mount (1) - Data Display Lite information system (1) - Information system keyboard (1) - 19" mountable rack		1	
29	704-34196	Monitor, 19" Tru-Vu Video/Computer Flat Panel LCD/TFT		1	
30	045-02000-04	Digital Video Recorder, Installed		1	
31	950-18024-3	Training Training, RST Equipment/P.O.S.M., Other Personnel, Per Day		2	
32	900-32036	Manuals Operation And Installation Manuals, CD		1	
		Subtotal			\$80,417.80
		Changes based on the Component System List Provided			
33	051-38603	Strobe Light, LED, Whelen L21HAP, Amber, Installed		1	
34	606-12572	Vehicle Backup Alarm		1	
35	051-33253-1	Video System, Vehicle Back Up, Brigade Electronics Model A2591, Installed		1	
36	606-30365	Highway Warning Triangle Kit, 3 Triangles		1	
37	051-02510	Additional Cost for 24' Box Install		1	
38	051-02530	LONSEAL Lonplate equipment room flooring, Cutaway/Cube Van		1	
39	050-02022-01	30 Gallon Hi Pressure Water Washdown		1	

Line #	Part #	Description	Price	Qty	Extend
		System With Reel And Hose, Cutaway/Cube/Step Van, Self Contained (1) - Sink and faucet (1) - 4.0 g.p.m. water pump (1) - 30 gallon water tank with shutoff valve (1) - Retractable hose reel with 20' hose and nozzle			
40	051-31419	Wall Heater, 1,500 Watt Cube/Step Van/Trailer		1	
41	605-18264	Cable Access Door		1	
42	010-01655-202	TrakSTAR Pan & Tilt Zoom Camera with diagnostics, NTSC, Single Conductor (1) - TrakSTAR rotating head zoom camera with diagnostics and LED lighting, 4 pin (1) - Camera case		1	
43	010-01655-051	Inclinometer Factory Upgrade, TrakSTAR Camera **(Lead Time)** - See Data Acquisition For Additional Items		1	
44	010-01655-08	Laser Crack Measurement Factory Upgrade, NovaSTAR/TrakSTAR Camera **(Lead Time)**		1	
45	032-02500-034	TranSTAR Steerable, V3, Inspection Transport Vehicle, Single Conductor with Integrated Color Rear View Camera and Motorized Camera Lift (1) - Mainline steerable tractor, 6 pin with Integrated Color Rear View Camera (1) - Camera lift for TrakSTAR camera (1) - Tractor to camera power cable (6) - Standard tires (1) - Tractor extension kit (1) - TranSTAR Insertion/Retrieval Assembly (1) - Tractor storage rack (1) - Tractor operations manual		1	
46	860-37376	6" X 2" Pneumatic Wheel Assembly, TranSTAR Tractor		4	
47	840-40830	Extension Kit, Gear Reduction, TranSTAR		1	
48	860-40850	8" X 2" Pneumatic Wheel Assembly, Planetary Gear, TranSTAR Tractor		4	
49	010-01105-01	Auxiliary Wireless Controller, Dual Tone, Zoom, PS2 (1) - PS2 Wireless Controller (1) - PS2 Wireless Controller to Main Line Cable Reel Interface		1	
50	569-20283	Single Conductor, Steel Armored Cable, Per Foot		1000	
51	841-34293	Mainline Cable Reel emergency kill switch factory upgrade - Includes a lighted red operator button		1	
52	806-37583	Cable, 3 Pin X 6 Pin With Sonde Transmitter		1	
53	052-39140	Location Detector/Receiver, Rycom Model 8873-SD		1	
54	806-39319	Cable, Mainline, 4 Pin Female (Euro) Screw On To 6 Pin Male Screw On (Camera Test Cable)		1	
55	040-04500-004	Winlogger II P.O.S.M. Pro Data Acquisition System (1) - Rack mountable Winlogger II computer with DVD-RW and CD-RW recorder (1) - P.O.S.M. software with MPEG video and JPEG snapshots (1) - Winlogger II overlay		1	

Line #	Part #	Description	Price	Qty	Extend
		(1) - Keyboard (1) - PS/2 optical mouse (1) - Set computer speakers (1) - Cable kit, Winlogger II (1) - 650 watt ups battery backup, Rack Mount (2U) (3) - Year C.P.U. warranty (1) - 30 day basic support			
56	950-33941	Technical Support, P.O.S.M. Pro Software, One Year		1	
57	045-01000-05	Color Laser Report Printer For P.O.S.M. Pro, Installed		1	
58	051-32313	CAT 5 Computer Network Download Port, External, Installed		1	
59	051-34544	Monitor, 19", Flat Panel LCD/TFT, Equipment Room, Installed		1	
60	040-04520-11	Winlogger II Version 2 Inclination interface with Cables (For Use With P.O.S.M. Pro & TrakSTAR II Camera)		1	
61	806-40631	Pigtail 16 gauge, 3 Pin Male X 6 Pin Female, Bullet Connector To Tractor Or Camera		2	
62	841-31486	Removable Pigtail Field Termination Kit With Bullet Connector, 6 Pin Female X 3 Pin Male Pigtail Cable And Installation Items		1	
63	806-38138	Cable, Interconnect, TranSTAR (4 Pin) to Camera (4 Pin), 13.5 inches long		1	
64	448-11253	Cable Grip Assembly (Strain Relief)		1	
65	050-33209	8.0 Kw Onan Liquid Cooled, Quiet Diesel Generator and All Mounting Accessories, Installed		1	
66	800-39590-2	Stainless Storage Shelf Above Main Line Cable Reel		1	
67	950-18039	Shipping - FOB Petaluma CA or Mt Sterling, KY ***Subject to Change*** Estimated		1	
		Subtotal			\$59,972.30
68	DEDUCT	DEDUCT FOR PRICE DIFFERENCE ON CAMERA TEST CABLE	(\$5.00)	1	(\$5.00)
69	DEDUCT	DEDUCT FOR RHINO LINING FLOOR	(\$1,560.00)	1	(\$1,560.00)
70	DEDUCT	DEDUCT FOR NON PLANETARY WHEEL	(\$225.00)	1	(\$225.00)

I accept the terms and conditions of this quotation.

Signed: _____

Name: _____ Date: _____

Terms:

Sub-Total: \$138,600.10

Tax:

Total: \$138,600.10

City of Nashua, Public Works Division

To: Board of Public Works Meeting Date: November 21, 2016
From: Noelle Osborne
Plant Operations Supervisor
Re: Purchase of a 2017 Freightliner M2 Pipeline Inspection Camera Van

Motion C : To approve the purchase of a 2017 Freightliner M2 106 Medium Duty Box Van for use as the Pipeline Inspection Camera Van from Freightliner of New Hampshire in Londonderry New Hampshire for a price of \$78,544.00. Department: 169 Wastewater; Fund: WERF - Collection Systems; Account Classification 81 Machinery & Equipment.

Attachments: Quote and Bid Sheet

Discussion: The Wastewater Department went out to bid in September to pursue a replacement to the current 15 year old pipeline inspection camera van. Freightliner of New Hampshire in Londonderry New Hampshire was the sole bidder.

The current camera van #112 is a 2002 Ford E450 with 50,000 miles and has reached the end of its life with regards to frame and structural integrity. The frame was found to be perforated last September during the state inspection cycle, and temporary repairs were made. Corrosion and age have made this vehicle problematic and unreliable.

The proposed 2017 M2 106 Medium Duty Camera Van will be equipped with a 6 cylinder diesel engine, automatic transmission, heat and air conditioning and an aluminum 20 foot box van body to house the proposed pipeline inspection camera system and office.

The truck will carry a 2 year warranty.

The engine and aftertreatment system will have a 5 year/100,000 mile warranty.

The transmission will have a 5 year/unlimited mileage warranty.



THE CITY OF NASHUA

Financial Services

Purchasing Department

"The Gate City"

September 28, 2016

INVITATION TO BID

Enclosed Pipeline Inspection Camera Van IFB1040-102816

The City of Nashua Wastewater Department invites bids from qualified suppliers for one (1) new and unused, model year 2016 or 2017 Enclosed Pipeline Inspection Van. There will not be any vehicle traded in.

INSTRUCTIONS TO BIDDERS:

Bids must be submitted on the Bid Form, in its entirety with **one (1) original and one (1) copy**, in a sealed envelope clearly marked "**Enclosed Pipeline Inspection Camera Van**" and must be received at the Central Purchasing Office, 229 Main Street, Room 128, Nashua, NH 03060 prior to **3:00 PM on Friday, October 28, 2016**. Postmarks or other timestamps will not be accepted in lieu of actual delivery. The contractor can use whatever delivery mechanism it chooses as long as it remains clear that the contractor is responsible for submissions prior to the date and time. Further details are available on the City's web site, www.nashuanh.gov, under Services, Current Bids, document **IFB1040-102816**.

Bids will be opened in public on the due date and time. Results of the bid opening will be posted on the City's web site, under Bid Results, within twenty-four (24) hours of the opening. Bids must be submitted in the format provided and address the items specified in the bid package. The City of Nashua may reject any or all of the bids on any basis and without disclosure of a reason. The failure to make such a disclosure shall not result in accrual of any right, claim or cause of action by any unsuccessful bidder against the City of Nashua.

All bids are binding for sixty (60) days after bid opening. The City is exempt of all taxes. All bids must be FOB delivered, Nashua Transit System (NTS), 11 Riverside Street, Nashua, NH 03062.

Pursuant to NRO 5-71 (A), the City of Nashua supports the concept of purchasing products which are biodegradable, can be or have been recycled, or are environmentally sound. Due consideration will be given to the purchase of such products. If you are bidding on any such products which qualify, please so indicate in a cover sheet by item number and description.

Pursuant to NRO 5-78 (F), the purchasing manager shall not solicit a bid from a contractor who is in default on the payment of taxes, licenses or other monies due the city. Therefore, this bid request is void as to anyone who is in default on said payments.

Questions on this Invitation for Bid must be submitted in writing to:

John Stewart
Fleet Manager, City of Nashua
StewartJ@NashuaNH.gov

Respectfully,

Danielle Greenberg
Purchasing Agent II
City of Nashua
greenbergd@nashuanh.gov

Minimum Specifications for an Enclosed Pipeline Inspection Camera Van

General

The Pipeline Inspection Van is used by the Wastewater Department for inspection of sanitary sewer lines as well as storm water drain lines throughout the City of Nashua. This van will carry a video camera inspection system comprised of a work station desk with multiple video cameras, tool boxes, video monitors, computers, reels of cable and transporters for the cameras.

1. Manufacturers must list the exact specifications for the piece of equipment they are bidding for in each of the categories listed. If any additional information is to be supplied regarding any items, the manufacturers should refer to the number beside the item and type his information on blank pages. Failure to respond to any item may be cause for the bid to be rejected as "non-responsive".
2. Manufacturers are encouraged to elaborate on any aspect of their machine not listed in the bid specifications but such explanations should be typed on a blank sheet of paper.
3. Inclusion of manufacturer's specifications will not be considered as a substitute for filling in the specifications. It is encouraged that the manufacturers bid be supplemented by their printed literature.
4. Equipment bid must be new and unused and manufactured in current model year, and be the manufacturer's latest model.

A. Minimum Specifications

- | | |
|---|------------|
| 1. 6 Cylinder Turbocharged Diesel engine, 240 HP minimum. | <u>Yes</u> |
| 2. Engine must be EPA Tier 4 Emissions. | <u>Yes</u> |
| 3. 13 Gallon Diesel Exhaust Fluid Tank. | <u>Yes</u> |
| 4. Allison 2200RDS Automatic transmission. | <u>Yes</u> |
| 5. Rear axle ratio of 3.91. | <u>Yes</u> |
| 6. A 216" Wheel Base shall be standard. | <u>Yes</u> |
| 7. 25,500 Pound Gross Vehicle Weight Rating | <u>Yes</u> |

B. Engine Equipment

- | | |
|--|------------|
| 8. Alternator shall be 12 Volt rated at a minimum of 270 AMPs. | <u>Yes</u> |
| 9. Truck shall have 2 Group 31 threaded stud maintenance free batteries. | <u>Yes</u> |
| 10. Positive load disconnect switch cab mounted outboard driver's seat. | <u>Yes</u> |
| 11. Positive and negative posts for jump starts located on frame near starter. | <u>Yes</u> |

Minimum Specifications for an Enclosed Pipeline Inspection Camera Van

12. 950 square inch radiator minimum. yes
13. Gates Blue Strip Hoses or equivalent. yes
14. 750 Watt 120 Volt Block Heater. yes
15. Delco 29MT Starter. yes
- C. Transmission Equipment**
16. Allison 2200RDS 5 speed automatic transmission. yes
17. Water to oil transmission cooler to be in radiator end tank. yes
- D. Axle and Air Brake Configurations.**
18. Front axle shall be rated at 10,000 LBS. yes
19. Front brakes shall be 15x5 Q+ Meritor with non-asbestos linings. yes
20. Meritor automatic slack adjusters shall be standard. yes
21. TRW THP-60 Power steering shall be standard. yes
22. Power steering shall have a 2 quart see through reservoir. yes
23. Truck shall be equipped with a front sway bar standard. yes
24. Rear axle shall be rated at 17,500 LBS. yes
25. 3.91 rear axle ratio standard. yes
26. Driver controlled traction differential shall be standard. yes
27. Meritor Q+ 15x8.62 rear brakes with non-asbestos linings. yes
28. Brake cams and chambers to be on front side of rear axle. yes
29. Meritor automatic slack adjusters on rear axle brakes. yes
30. Synthetic 75W90 Rear Axle Lube standard. yes
31. Shock absorbers on both axles will be standard. yes
32. Aluminum air tanks shall be standard. yes

Minimum Specifications for an Enclosed Pipeline Inspection Camera Van

E. Frame Specifications

33. 90" Rear frame overhang.

Frame overhang range 81 to 90 inch.

Calculated back of cab to rear suspension C/L: 150.45 inch

Calculated effective back of cab to rear suspension C/L: 147.45

Calculated frame length- overall: 335.39

Calculated space available for deckplate 150.45 inch

Yes

34. Painted front bumper with collapsible ends.

Yes

35. Frame mounted front tow hooks.

Yes

F. Fuel Tanks

36. 80 Gallon aluminum fuel tank standard.

Yes

G. Tires

37. Michelin 245/70R19.5 16 Ply Radial Front Steer Tires.

Yes

38. Michelin 245/70R19.5 16 Ply Radial Rear Snow Tires.

Yes

39. Accuride 29195 19.5x7.5 10 Hub Pilot 5.96 Inset 5 hand hole front wheels.

Yes

40. Accuride 29195 19.5x7.5 10 Hub Pilot 5 hand steel disc rear wheels.

Yes

41. Conmet Preset Plus Iron Hubs on Front and Rear.

Yes

H. Cab

42. Cab shall be made of aluminum.

Yes

43. Exterior grab handles on LH and RH will be standard.

Yes

44. Dual 24" Aluminum air horns mounted on the cab roof.

Yes

45. Dual west coast heated mirrors mounted on doors with LH and RH remote.

Yes

46. 102" Equipment width mirrors.

Yes

47. RH down view mirror

Yes

48. LH and RH 8 inch stainless convex mirrors mounted under primary mirrors.

Yes

49. LH and RH 8 inch stainless steel fender mounted convex mirrors mounted

Minimum Specifications for an Enclosed Pipeline Inspection Camera Van

- on stainless steel tripods. Yes
50. Cab shall have standard Air Conditioning and Heat. Yes
51. Driver and Passenger seats shall be Premium High Back Air Suspension style covered in a heavy duty cloth fabric. Yes
52. Gauges shall be standard factory gauges. Yes
53. Truck shall be equipped with a self-adjusting Back Up alarm. Yes
54. Radio shall be AM/FM with CD player. *w/ Bluetooth* Yes
55. 2 on/off rocker switches in the dash with indicator lights and wire routed to back of cab labeled opt.
- I. Body**
56. Body shall be an Aluminum Dry Freight body 20 foot long, 8 foot wide. Yes
57. Interior dimensions shall be 85"H x 243"L x 93"W. Yes
58. Rear doors shall be "Barn Doors", 88"W X 78" H. Yes
59. Body floor shall be smooth 1 1/8" hardwood, fastened to subframe with 2 counter-sunk screws per floor board per crossmember in a staggered pattern. Yes
60. Body floor boards shall be undercoated. Yes
61. Threshold shall be steel galvanized angle flush to rear. Yes
62. Interior rear body shall be free of tie downs or load strapping or covering on the walls. Yes
63. Roof shall be one piece aluminum, .032 thick with anti-sag roof bows on 24" centers with crowned roof design. Yes
64. Full width drop step for under-ride protection with poched 10" step surface. Yes
65. 10" Dock extension consisting of steel diamond plate formed cover over a hardwood Filler painted black. Yes
66. Aluminum grab handles mounted on LH and RH rear of body. Yes
67. All lighting shall meet Federal Motor Vehicle Safety Standards. Yes

Minimum Specifications for an Enclosed Pipeline Inspection Camera Van

J. Warranties

68. Engine shall have a 5 year, 100,000 mile warranty.

yes

69. After-treatment system shall have a 5 year, 100,000 mile warranty.

yes

70. Transmission shall have a 5 year unlimited mile warranty.

yes

K. Manuals

71. Repair manuals shall be provided.

yes

72. Online website subscription shall be included for engine diagnostics.

yes

L. Transportation

73. Winning vendor shall incur all expenses to transport the chassis to the body installation vendor and to the camera installation vendor in Mt Sterling, Kentucky.

yes

M. Vehicle color

74. Color of cab and body shall be dark blue.

yes

Prepared for:
John Stewart
State of NH (City of Nashua)
229 Main St
Nashua, NH 03061
Phone: 603-589-4714

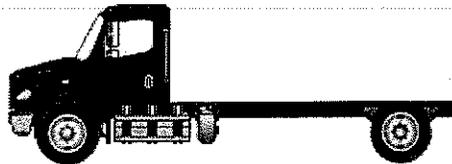
Prepared by:
Bryan Sansouci
FREIGHTLINER OF NEW
HAMPSHIRE, INC.
ROUTE 102
LONDONDERRY, NH 03053
Phone: 603-421-9000

A proposal for
State of NH (City of Nashua)

Prepared by
FREIGHTLINER OF NEW HAMPSHIRE, INC.
Bryan Sansouci

Oct 26, 2016

Freightliner M2 106



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

Prepared for:
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 State of NH (City of Nashua)
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S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear	Retail Price
Price Level				
PRL-14M	M2 PRL-14M (EFF:10/05/15)			N/C
Data Version				
DRL-001	SPECPRO21 DATA RELEASE VER 001			N/C
Vehicle Configuration				
001-172	M2 106 CONVENTIONAL CHASSIS	5,759	3,503	\$98,616.00
004-217	2017 MODEL YEAR SPECIFIED			STD
002-004	SET BACK AXLE - TRUCK			STD
019-002	STRAIGHT TRUCK PROVISION			STD
003-001	LH PRIMARY STEERING LOCATION			STD
General Service				
AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-002	PICKUP AND DELIVERY/SHORT HAUL SERVICE			STD
A84-1GM	GOVERNMENT BUSINESS SEGMENT			N/C
AA4-011	FIXED LOAD COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-091	MEDIUM TRUCK WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 8000.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 17500.0 lbs			
A67-99D	EXPECTED PUSHER AXLE(S) LOAD : 0.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 25500.0 lbs			

Truck Service



Prepared for:
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 LONDONDERRY, NH 03053
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Data Code	Description	Weight Front	Weight Rear	Retail Price
AA3-001	DRY VAN BODY			STD
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in			
Engine				
101-2GD	CUM ISB 6.7-240 240 HP @ 2300 RPM, 2600 GOV, 560 LB/FT @ 1600 RPM			\$1,954.00
Electronic Parameters				
79A-072	72 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM			N/C
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM			N/C
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM			N/C
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH			N/C
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			N/C
80G-002	PTO MINIMUM RPM - 700			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C
Engine Equipment				
99C-016	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17 BUT NOT FINAL GHG17 CONFIGURATION			STD
99D-010	NO 2008 CARB EMISSION CERTIFICATION			N/C
13E-001	STANDARD OIL PAN			STD
105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
133-004	ONE PIECE VALVE COVER			STD
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER			STD
124-1CC	LN 12V 270 AMP 4949PGH PAD MOUNT ALTERNATOR WITH AC TAPS	10		\$832.00
292-098	(2) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 2250 CCA THREADED STUD BATTERIES			\$41.00
290-1CD	BATTERY BOX WITH ALUMINUM COVER MOUNTED SHORT SIDE TO RAIL			\$245.00
281-001	STANDARD BATTERY JUMPERS			STD
282-003	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB			N/C
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD

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 Phone: 603-421-9000

Data Code	Description	Weight Front	Weight Rear	Retail Price
289-001	NON-POLISHED BATTERY BOX COVER			STD
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8		\$240.00
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2		\$111.00
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			STD
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR			STD
131-013	AIR COMPRESSOR DISCHARGE LINE			STD
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
128-076	CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH	20		\$14.00
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE			STD
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			STD
239-001	STANDARD EXHAUST SYSTEM LENGTH			STD
237-052	RH STANDARD HORIZONTAL TAILPIPE			STD
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK	35	10	\$105.00
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			\$17.00
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
273-035	HORTON HT650 FRONTAL AIR ON/OFF ENGINE FAN CLUTCH			STD
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			STD
118-001	FULL FLOW OIL FILTER			STD
266-078	950 SQUARE INCH ALUMINUM RADIATOR			STD
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
172-007	GATES POWERGRIP SHRINK BAND HOSE CLAMPS WHERE POSSIBLE			\$141.00
270-016	RADIATOR DRAIN VALVE			STD
168-002	LOWER RADIATOR GUARD			STD
138-010	PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER	4		\$108.00
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			\$14.00
134-001	ALUMINUM FLYWHEEL HOUSING			STD
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD
155-057	DELCO 12V 29MT STARTER WITH INTEGRATED MAGNETIC SWITCH			STD

Transmission

342-1MM	ALLISON 2200 RDS AUTOMATIC TRANSMISSION WITH PARK PAWL WITH PTO PROVISION			\$859.00
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Transmission Equipment

343-301	ALLISON VOCATIONAL PACKAGE 354 - AVAILABLE ON 1000/2000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, EVS, HS, MH, PTS AND SPS			STD
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES			N/C
84C-003	PRIMARY MODE GEARS, 5 FORWARD GEARS WITH MANUAL SELECTION FOR 3, 2 AND 1, AVAILABLE FOR 1000/2000 PRODUCT FAMILIES ONLY			STD
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE			STD
84N-000	NEUTRAL AT STOP - DISABLED, FUELSENSE - DISABLED			STD

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Data Code	Description	Weight Front	Weight Rear	Retail Price
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD
353-023	VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT END OF FRAME			\$47.00
362-1BU	CUSTOMER INSTALLED CHELSEA 230/231/236 SERIES PTO			N/C
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION			N/C
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-074	DASH MOUNTED T-HANDLE CABLE SHIFT CONTROL WITH PARK POSITION FOR INTERNAL PARK PAWL			N/C
97G-006	TRANSMISSION PROGNOSTICS - DISABLED (N/A) 2013, FOR USE IN 1000/2000 ONLY			STD
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK			STD
346-001	TRANSMISSION OIL CHECK AND FILL			STD
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD

Front Axle and Equipment

400-1A5	DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE			N/C
402-021	MERITOR 15X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			\$140.00
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-023	CONMET CAST IRON FRONT BRAKE DRUMS			STD
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS			STD
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			STD
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			STD
536-050	TRW THP-60 POWER STEERING			STD
539-003	POWER STEERING PUMP			STD
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR			STD
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE			\$11.00

Front Suspension

620-032	8,000# TAPERLEAF FRONT SUSPENSION	-30		(\$33.00)
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Data Code	Description	Weight Front	Weight Rear	Retail Price
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION			STD
62H-998	NO FRONT SUSPENSION SPRING BRACKET OPTIONS			STD
629-004	FRONT SWAYBAR	60		\$495.00
410-001	FRONT SHOCK ABSORBERS			STD
Rear Axle and Equipment				
420-1C6	DETROIT DA-RS-17.5-2 17,500# R-SERIES SINGLE REAR AXLE		-170	(\$360.00)
421-478	4.78 REAR AXLE RATIO			N/C
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			STD
386-055	SPL100 DANA SPICER MAIN DRIVELINE WITH HALF ROUND YOKES	15	15	(\$59.00)
452-001	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20	\$774.00
878-018	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE			N/C
87B-004	BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH			N/C
423-028	MERITOR 15X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		-20	\$161.00
433-002	NON-ASBESTOS REAR BRAKE LINING			STD
434-012	BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S)			N/C
451-023	CONMET CAST IRON REAR BRAKE DRUMS			STD
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS			STD
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS			STD
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS			STD
41T-002	SYNTHETIC 75W-90 REAR AXLE LUBE			\$90.00
Rear Suspension				
622-002	20,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD		40	(\$1,323.00)
621-004	SPRING SUSPENSION - 1.50" AXLE SPACER		10	\$46.00
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD
623-005	FORE/AFT CONTROL RODS			N/C
Brake System				



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Data Code	Description	Weight Front	Weight Rear	Retail Price
018-002	AIR BRAKE PACKAGE			STD
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL			STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
904-001	FIBER BRAID PARKING BRAKE HOSE			STD
412-001	STANDARD BRAKE SYSTEM VALVES			STD
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD
413-002	STD U.S. FRONT BRAKE VALVE			STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER			STD
479-015	AIR DRYER FRAME MOUNTED			STD
460-007	ALUMINUM AIR BRAKE RESERVOIRS	-5	-5	\$167.00
477-004	PULL CABLES ON ALL AIR RESERVOIR(S)			\$3.00
Trailer Connections				
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT			STD
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT			STD
30L-998	NO HIGH CURRENT TRAILER/BODY CABLE			STD
Wheelbase & Frame				
545-547	5475MM (216 INCH) WHEELBASE			N/C
546-094	9/32X3-7/16X10-1/16 INCH STEEL FRAME (7.14MMX255.6/0.281X10.06 INCH) 80KSI	140	-10	\$269.00
552-054	2275MM (90 INCH) REAR FRAME OVERHANG			N/C
55W-008	FRAME OVERHANG RANGE: 81 INCH TO 90 INCH	-20	110	N/C
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 150.45 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 147.45 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 335.39			
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 150.45 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 102.5 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 159.82 in			N/C
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD

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Data Code	Description	Weight Front	Weight Rear	Retail Price
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER			STD
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REARMOST CROSSMEMBER			STD
565-001	STANDARD SUSPENSION CROSSMEMBER			STD
Chassis Equipment				
556-1AP	THREE-PIECE 14 INCH PAINTED STEEL BUMPER WITH COLLAPSIBLE ENDS	30		\$76.00
558-001	FRONT TOW HOOKS - FRAME MOUNTED	15		\$96.00
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS			STD
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS			STD
Fuel Tanks				
204-034	80 GALLON/302 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	40	10	\$213.00
218-005	RECTANGULAR FUEL TANK(S)			STD
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-007	FUEL TANK(S) FORWARD			STD
664-003	BLACK STEP FINISH			\$16.00
205-001	FUEL TANK CAP(S)			STD
122-084	ALLIANCE FUEL FILTER/WATER SEPARATOR WITH PRIMER PUMP			STD
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD
Tires				
093-0E5	MICHELIN XZE 245/70R19.5 16 PLY RADIAL FRONT TIRES	-82		(\$348.00)
094-1FT	MICHELIN XDS2 245/70R19.5 16 PLY RADIAL REAR TIRES		-144	(\$412.00)
Hubs				
418-056	CONMET PRESET PLUS IRON FRONT HUBS			STD
450-056	CONMET PRESET PLUS IRON REAR HUBS			STD
Wheels				
502-440	ACCURIDE 29195 19.5X7.50 10-HUB PILOT 5.96 INSET 5-HAND STEEL DISC FRONT WHEELS	-10		\$106.00

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Data Code	Description	Weight Front	Weight Rear	Retail Price
505-440	ACCURIDE 29195 19.5X7.50 10-HUB PILOT 5-HAND STEEL DISC REAR WHEELS		-20	\$212.00
496-011	FRONT WHEEL MOUNTING NUTS			STD
497-011	REAR WHEEL MOUNTING NUTS			STD
Cab Exterior				
829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-008	AIR CAB MOUNTS			\$118.00
678-018	LH AND RH EXTERIOR GRAB HANDLES WITH SINGLE RUBBER INSERT			\$73.00
646-023	HOOD MOUNTED CHROMED PLASTIC GRILLE			\$97.00
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE			\$50.00
644-004	FIBERGLASS HOOD			STD
690-007	HOOD LINER INSULATION WITH SINGLE FIREWALL INSULATION			\$114.00
727-1AM	DUAL 24 INCH ROUND POLISHED ALUMINUM AIR HORNS ROOF MOUNTED	8		\$196.00
726-002	DUAL ELECTRIC HORNS			\$10.00
728-002	DUAL HORN SHIELDS			N/C
657-1A0	ALL UNIT(S) KEYED ALIKE WITH CUSTOMER SPECIFIED KEY NUMBER FT1013			\$43.00
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-038	INTEGRAL HEADLIGHT/MARKER ASSEMBLY WITH CHROME BEZEL			N/C
302-047	LED AERODYNAMIC MARKER LIGHTS			\$37.00
311-001	DAYTIME RUNNING LIGHTS			\$21.00
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS			STD
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
744-1BC	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE			\$330.00
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS			N/C
74A-001	RH DOWN VIEW MIRROR			\$23.00
74B-080	RH AND LH 8 INCH STAINLESS STEEL FENDER MOUNTED CONVEX MIRRORS WITH TRIPOD BRACKETS	8		\$156.00
729-001	STANDARD SIDE/REAR REFLECTORS			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
677-016	DUAL LEVEL CAB ENTRY STEPS ON BOTH SIDES			N/C
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-004	TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS			\$157.00
654-003	MANUAL DOOR WINDOW REGULATORS			STD
663-013	TINTED WINDSHIELD			STD
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED			STD
Cab Interior				
707-1AK	OPAL GRAY VINYL INTERIOR			N/C
706-026	MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR			\$25.00
708-026	MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR			\$25.00
772-006	BLACK MATS WITH SINGLE INSULATION			STD
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING			STD
694-010	IN DASH STORAGE BIN			STD
742-007	(2) CUP HOLDERS LH AND RH DASH			STD
680-006	GRAY/CHARCOAL FLAT DASH			STD
720-002	2-1/2 LB. FIRE EXTINGUISHER	5		\$40.00
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-001	STANDARD HVAC DUCTING			STD
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-015	STANDARD HEATER PLUMBING			STD
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-033	STANDARD INSULATION			STD
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-014	DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS			STD
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
284-023	(1) 12 VOLT POWER SUPPLY IN DASH			\$16.00
722-002	TRIANGULAR REFLECTORS WITHOUT FLARES	10		\$25.00
756-1D9	PREMIUM HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 3 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION, FORWARD AND REAR CUSHION TILT, ADJUSTABLE SHOCK ABSORBER	70		\$418.00
760-1D9	PREMIUM HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 3 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION, FORWARD AND REAR CUSHION TILT, ADJUSTABLE SHOCK ABSORBER	60	20	\$468.00
759-007	DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS	4		\$69.00
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
758-022	BLACK MORDURA CLOTH DRIVER SEAT COVER			\$25.00
761-023	BLACK MORDURA CLOTH PASSENGER SEAT COVER			\$25.00
763-102	HIGH VISIBILITY ORANGE SEAT BELTS			\$26.00
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10		\$478.00
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

Instruments & Controls

732-004	GRAY DRIVER INSTRUMENT PANEL			STD
734-004	GRAY CENTER INSTRUMENT PANEL			STD
870-001	BLACK GAUGE BEZELS			STD
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES			STD
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS			STD
721-003	PRECO 1040 87 DB TO 112 DB AUTOMATIC SELF-ADJUSTING BACKUP ALARM		3	\$104.00
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED			STD

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Data Code	Description	Weight Front	Weight Rear	Retail Price
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-003	PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE			STD
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
864-005	TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT			STD
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS			N/C
73B-998	NO LANE DEPARTURE WARNING SYSTEM			STD
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
746-1B3	AM/FM/WB RADIO WITH BLUETOOTH AND MICROPHONE, FRONT USB PORT, FRONT AND REAR AUXILIARY INPUTS AND J1939	10		\$398.00
747-001	DASH MOUNTED RADIO			N/C
750-002	(2) RADIO SPEAKERS IN CAB			N/C
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2		N/C
74D-002	RADIO WIRING WITH POWER CUTOFF WHEN VEHICLE IN REVERSE GEAR			\$8.00
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-001	STANDARD VEHICLE SPEED SENSOR			STD
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
8D1-998	NO DIRECT CONNECT			STD
162-011	IDLE LIMITER, ELECTRONIC ENGINE			STD
329-010	TWO ON/OFF ROCKER SWITCHES IN THE DASH WITH INDICATOR LIGHTS AND WIRE ROUTED TO CHASSIS AT BACK OF CAB, LABEL OPT			\$63.00
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-025	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY PROGRAMMED TO SLOWEST SPEED WITH PARK BRAKE SET			\$22.00
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH			STD
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			STD



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299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE			STD
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS			STD
869-998	NO MISCELLANEOUS GAUGES			STD
Design				
065-000	PAINT: ONE SOLID COLOR			STD
Color				
980-5A9	CAB COLOR A: L0306EB BLUE ELITE BC			N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
98K-998	NO FUEL TANK CABINET PAINT			STD
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX			STD
963-003	STANDARD E COAT/UNDERCOATING			STD
Certification / Compliance				
996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS			STD
Sales Programs				
NO SALES PROGRAMS HAVE BEEN SELECTED				

TOTAL VEHICLE SUMMARY

Adjusted List Price

Adjusted List Price ** \$107,344.00

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	6178 lbs	3372 lbs	9550 lbs



Prepared for:
 John Stewart
 State of NH (City of Nashua)
 229 Main St
 Nashua, NH 03061
 Phone: 603-589-4714

Prepared by:
 Bryan Sansouci
 FREIGHTLINER OF NEW
 HAMPSHIRE, INC.
 ROUTE 102
 LONDONDERRY, NH 03053
 Phone: 603-421-9000

Dealer Installed Options	0 lbs	0 lbs	0 lbs
Total Weight ⁺	6178 lbs	3372 lbs	9550 lbs

ITEMS NOT INCLUDED IN ADJUSTED LIST PRICE

Other Factory Charges

PMU-016	2016 OBD/2010 EPA/CARB/GHG14 ESCALATOR	\$300.00
P73-2FT	STANDARD DESTINATION CHARGE	\$2,000.00

Extended Warranty

WAI-4NY	EPA 2013 CUMMINS ISB ENGINE EXTENDED WARRANTY DC1, 5 YEARS/100,000 MILES/160 000 KM FEX	\$950.00
WAX-066	EPA 2013 CUMMINS ISB ENGINE EXTENDED WARRANTY AFTERTREATMENT AT3, 5 YEARS/100,000 MILES/160 000 KM FEX	\$400.00
WAK-137	ALLISON 2000 RDS SERIES TRANSMISSION EXTENDED WARRANTY, 5 YEARS/UNLIMITED MILES FEX	\$631.00

Currency Exchange Rate	1.0000
Total Extended Warranty (Local Currency)	\$1,981.00

Dealer Installed Options

		Weight Front	Weight Rear	Price
AAA	NH BODY & TRAILER QUOTE #DN-0335845-1	0	0	\$10,870.00
Total Dealer Installed Options		0 lbs	0 lbs	\$10,870.00

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

(**) Prices shown do not include taxes, fees, etc... "Net Equipment Selling Price" is located on the Quotation Details Proposal Report.



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Q U O T A T I O N

M2 106 CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK CUM ISB 6.7-240 240 HP @ 2300 RPM, 2600 GOV, 560 LB/FT @ 1600 RPM ALLISON 2200 RDS AUTOMATIC TRANSMISSION WITH PARK PAWL WITH PTO PROVISION DETROIT DA-RS-17.5-2 17,500# R-SERIES SINGLE REAR AXLE 20,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD	DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE 8,000# TAPERLEAF FRONT SUSPENSION 106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB 5475MM (216 INCH) WHEELBASE 9/32X3-7/16X10-1/16 INCH STEEL FRAME (7.14MMX255.6/0.281X10.06 INCH) 80KSI 2275MM (90 INCH) REAR FRAME OVERHANG
---	---

		PER UNIT		TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$ 65,693	\$	65,693
EXTENDED WARRANTY		\$ 1,981	\$	1,981
DEALER INSTALLED OPTIONS		\$ 10,870	\$	10,870
CUSTOMER PRICE BEFORE TAX		\$ 78,544	\$	78,544

TAXES AND FEES

TAXES AND FEES	\$	0	\$	0
OTHER CHARGES	\$	0	\$	0

TRADE-IN

TRADE-IN ALLOWANCE	\$	(0)	\$	(0)
--------------------	----	-----	----	-----

BALANCE DUE	(LOCAL CURRENCY)	\$ 78,544	\$	78,544
-------------	------------------	-----------	----	--------

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

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

X _____ Date: ___ / ___ / ___.



Financing that works for you.

See your local dealer for a competitive quote from Daimler Truck Financial, or contact us at Information@dtfoffers.com.

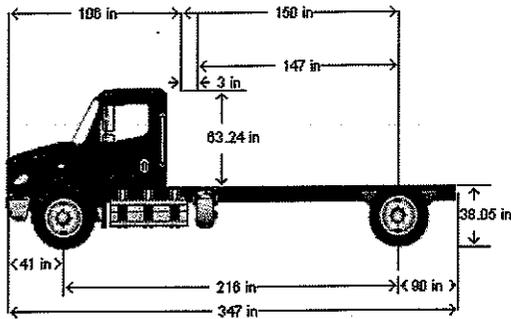
Daimler Truck Financial offers a variety of finance, lease and insurance solutions to fit your business needs. For more information about our products and services, visit our website at www.daimler-truckfinancial.com.



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D I M E N S I O N S



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model	M2106
Wheelbase (545)	5475MM (216 INCH) WHEELBASE
Rear Frame Overhang (552)	2275MM (90 INCH) REAR FRAME OVERHANG
Fifth Wheel (578)	NO FIFTH WHEEL
Mounting Location (577)	NO FIFTH WHEEL LOCATION
Maximum Forward Position (in)	0
Maximum Rearward Position (in)	0
Amount of Slide Travel (in)	0
Slide Increment (in)	0
Desired Slide Position (in)	0.0
Cab Size (829)	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Sleeper (682)	NO SLEEPER BOX/SLEEPER CAB
Exhaust System (016)	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE

TABLE SUMMARY - DIMENSIONS

Prepared for:
 John Stewart
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Dimensions	Inches
Bumper to Back of Cab (BBC)	106.3
Bumper to Centerline of Front Axle (BA)	40.7
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	150.4
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	147.4
Back of Cab Protrusions (Exhaust/Intake) (CP)	0.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	240.4
Cab Height (CH)	63.2
Wheelbase (WB)	216.0
Frame Overhang (OH)	90.0
Overall Length (OAL)	346.7
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	38.0

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.



DN-0335845-1

Quoted By: Tom Forbes

Created: 10/4/2016

Revised: 10/4/2016

11 NAVIGATOR ROAD • LONDONDERRY, NH 03053 • Phone: 603-647-5861 • Fax: 603-845-1191 •

Configuration: City of Nashua- Div. of Public Works
Reference:

Sales Representative: Tom Forbes

Customer

Freightliner of New Hampshire, Inc.
 23 Meadows Drive
 P. O. Box 1440
 Londonderry, NH 03053

Contacts

Freightliner of New Hampshire, Inc.
 p. 603-845-3100
 f.

Ship To

R S TECHNICAL SERVICES, INC.
 292 MIDLAND TRAIL

MT. STERLING, KY 40353

Customer Number:
 Terms: **Net 10 days**

Ship to:
 p. 866-769-8264

Shipping Method: **Delivery/Driveaway**

Model	Description	Plant
GVSD08520096	MORGAN DRY FREIGHT VAN BODY 20 FT NOMINAL	PA - Morgantown

Body Dimensional Information

Inside Height: 85.12
 Inside Length: 243.31
 Inside Width: 92.88
 Rear Door Opening (W x H): 88W X 79.25H

Chassis Information

Make: FREIGHTLINER
 Model: M2/106 106.3in. BBC Cab
 Expected Date: 12/9/2016
 Color: WHITE
 Rear Axle: Single (1)
 Air Horns on Cab Roof: No

Year: 2017
 WB: 216
 FW: 34
 FOB: 147
 Vert. Exh.: No

Note: Body dimensional information above for reference only. These dimensions may change based on any special pricing items included in this quotation.

OPTION	DESCRIPTION	QTY	Weight**
SUBFRAME	3" I-BEAM CROSSMEMBERS ON 12" CENTERS WITH 4" LONGRAIL	1	601.67
	MYLAR TAPE IS APPLIED BETWEEN ALL STEEL SUBFRAME COMPONENTS AND EXTRUDED ALUMINUM LOWER BOTTOM RAILS TO PREVENT CORROSION	1	0.21
MOUNTING	FULL MOUNT-U BOLT	1	141.53
	MUDFLAPS-MORGAN 24" X 36" BLACK	1	17.62
FLOOR	1 1/8 IN. LAMINATED HARDWOOD FASTENED TO SUBFRAME WITH 2 COUNTERSUNK SCREWS PER FLOOR BOARD PER CROSS MEMBER IN A STAGGERED PATTERN. FLOOR BOARDS ARE SHIP LAPPED AND PRE-UNDERCOATED FOR PROTECTION FROM ELEMENTS.	1	685.88
THRESHOLD	STEEL GALVANIZED ANGLE FLUSH TO REAR	1	7.18
REAR DOOR	MORGANPLATE WHITE 2-PANEL FULL	1	108.76
	FLUSH ENTRY LOCKING HARDWARE 2 PANEL FULL	1	59.17
	HOLDBACK PANEL 2 PANEL FULL WITH FLUSH ENTRY HARDWARE	1	2.73
REAR FRAME	HEADER SUB-COMPONENT GALVANNEALED WITH 35 OR S36 LIGHTS	1	56.99
	POST SUB-COMPONENT GALVANNEALED FOR PANEL DOOR	1	90.51
	ENDPLATE SUB-COMPONENT FOR PANEL DOOR FOR 4.12" ENDPLATE	1	76.5
	GALVANNEALED HEADER POST GUSSET	1	2.78
SKINS-SIDES	SKINS .040" STANDARD NEW PEPSICO BLUE	1	0
	RIVETS FOR FRONT AND SIDEWALLS-20 BODY	1	3.81



DN-0335845-1

Quoted By: Tom Forbes

Created: 10/4/2016

Revised: 10/4/2016

11 NAVIGATOR ROAD • LONDONDERRY, NH 03053 • Phone: 603-647-5861 • Fax: 603-845-1191 •

SIDE WALL	EXTRUDED ALUMINUM TOP AND BOTTOM RAILS WITH 1 3/8 IN. DEEP GALVANIZED STEEL Z-SHAPED VERTICAL POSTS INSTALLED ON 16 IN. CENTERS CURBSIDE.	1	135.21
	EXTRUDED ALUMINUM TOP AND BOTTOM RAILS WITH 1 3/8 IN. DEEP GALVANIZED STEEL Z-SHAPED VERTICAL POSTS INSTALLED ON 16 IN. CENTERS ROADSIDE.	1	135.21
FRONT END	AERODYNAMIC ALUMINUM RADII WITH (5) STEEL Z POST	1	56.47
SKINS-FRONT	SKINS .040" STANDARD NEW PEPSICO BLUE	1	0
ROOF	.032 ONE PIECE ALUMINUM SHEET WITH ANTI-SNAG ROOF BOWS ON 24 IN. CENTERS WITH CROWNED ROOF DESIGN WHICH PREVENTS WATER/ICE POOLING	1	130.86
	AERODYNAMIC ALUMINUM RADIUS AND POLY-TUFF CORNER CAPS	1	28.41
INTERIOR LIGHTS	ONE INTERIOR LED DOME LAMP	1	2.58
	TOTAL DOMELIGHT(S) = 2;	1	0
	EXTRA INTERIOR LED DOME LAMP ON SAME CIRCUIT	1	2.27
EXTERIOR LIGHTS	SWITCH AND INDICATOR LAMP MOUNTED IN CAB DASH AND ROCKER SWITCH WITH BRACKET MOUNTED INSIDE BODY AT REAR	1	10.09
INTERIOR LIGHTS	SWITCH FOR DOMELIGHT CIRCUIT	1	0
UNDERRIDE	FULL WIDTH DROP STEP WITH 10 IN. STEP SURFACE IS POOCHED FOR SAFETY	1	115.05
DOCK BUMPER	10 IN. DOCK EXTENSION CONSISTING OF STEEL DIAMOND PLATE FORMED COVER OVER A HARDWOOD FILLER, PAINTED BLACK	1	119.39
EXTERIOR LIGHTS	TECNIQ S36 LED SEALED CLEARANCE LIGHT, PER FMVSS-108 INSTALLED IN FRONT CORNER CAPS, SIDE TOP RAILS AND FIVE ACROSS REAR HEADER.	1	4.34
	COMPONENTS USED FOR CHASSIS WIRING AND LIGHTS INT/GRND	1	3.22
PAINT	PANEL REAR DOOR TO CUSTOMER SPECS-IMRON	1	0.0
	MATCH NEW PEPSICO BLUE SKINS P6301EX	1	0
	REAR FRAME STEEL CUSTOMER SPECS IMRON	1	0.0
	MATCH NEW PEPSICO BLUE SKINS P6301EX	1	0
DECALS	MORGAN-BLACK-FULL MOUNT	1	0.11
SAFETY ITEMS	ALUMINUM 12" GRAB HANDLE-BOLTED	2	1.02
	GRAB HANDLE MOUNTED ON CURBSIDE AND ROADSIDE REAR	1	0
	CONSPICUITY TAPE INSTALLATION	1	0.48
	BOTH SIDES OF BODY, ACROSS BOTTOM OF REAR DOOR, UNDERRIDE PROTECTOR, AND TWO INVERTED L'S ON THE UPPER OUTBOARD CORNERS. PER DRAWING CONSP00	1	0

Total Body Weight 2600.05



DN-0335845-1

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Created: 10/4/2016

Revised: 10/4/2016

11 NAVIGATOR ROAD • LONDONDERRY, NH 03053 • Phone: 603-647-5861 • Fax: 603-845-1191 •

NOTES TO CUSTOMER: Based on drop shipped chassis to Morgantown, PA

DIMENSIONAL DATA: All dimensions, weights, and measurements specified herein are estimates and are subject to Morgan's manufacturing tolerances, may change without notice, and may vary depending on options selected. Please contact Morgan for dimension, weights, and measurements for your particular truck body and chassis.

NOTICE: Morgan Corporation manufactures all vehicles to conform to applicable U.S. Federal Motor Vehicle Safety Standards (FMVSS) in effect at time of manufacture. Buyer/end-user is responsible for ensuring this vehicle, when operated, meets all applicable federal, state and local rules, regulations and statutes, including, but not limited to, those governing safety equipment, cargo securement, and accessories.

Morgan will give Customer a notice of release ("Release Notice") of their completed truck body units ("Vehicles") and Customer will remove, or authorize Morgan to remove, the Vehicles from Morgan's lot within five (5) days of the date thereof. After which time, and pursuant to Morgan's Standard Sales Agreement, Morgan shall not be responsible for any loss or damage thereto, for any reason, including, but not limited to, such loss or damage caused by fire, flood, storm, act of God, vandalism, accident, explosion, war, strike, civil or military authority, or any other similar causes.

In addition, Customer agrees to reimburse Morgan's then current lot lease expenses for every month past fourteen (14) days of the date of the Release Notice that the Vehicles remain on Morgan's lot. Customer also agrees to pay Morgan for all costs incurred, after fourteen (14) days of the date of the Release Notice, to maintain the Vehicles in satisfactory (road-worthy) working order.

Morgan shall not be responsible nor otherwise be held liable for cargo loss, loss of use, property damage, commercial (economic) loss, or other direct, indirect, incidental, consequential, or special damages alleged to have been caused by any Morgan product, or any delay in delivery of such product.

Morgan and NEW HAMPSHIRE BODY/TRAILER LLC reserves the right to withdraw this proposal if not accepted within 30 days. Morgan and NEW HAMPSHIRE BODY/TRAILER LLC's Standard Sales Agreement Terms and Conditions apply to this quotation. Copies available upon request. Any additional or different terms proposed by Buyer are objected to and hereby rejected.

Subtotal: \$10,870.00

Estimated Tax: \$0.00

Acceptance of Proposal - The pricing, specifications, and conditions of this quotation document are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Sell Price Each: \$10,870.00

x Qty: 1

Pricing may or may not include an estimation of applicable sales tax.

Total Quote Price: \$10,870.00

Customer Signature:	Date of Acceptance:	Customer PO Number:
---------------------	---------------------	---------------------

PO and Chassis Details:

* Chassis Expected Date: 12/9/2016

* PO # * Chassis VIN Customer Unit # Chassis Factory

1

* PO #, Chassis VIN #, and Chassis Expected Date are required when placing order with Morgan Corporation. Please provide if not listed above.

City of Nashua, Public Works Division

To: Board of Public Works Meeting Date: November 21, 2016
From: Noelle Osborne, Plant Operations Supervisor
Wastewater Department
Re: Selection of Mechanic WWTF 1st Class

D. Motion: To approve the selection of Mr. Scott R. Law of Nashua, NH to the position of Mechanic WWTF 1st Class at the Wastewater Treatment Plant. Starting salary for this position will be \$26.97 per hour. Funding will be through: Department: 169 Wastewater; Fund: Wastewater; Account Classification: 51 Salaries & Wages.

Attachments: Application

Discussion: This vacancy was the result of the departure of Wayne Gulliver effective 9/22/2016. This position was posted per AFSCME CBA and there was one qualified internal applicant and he was interviewed.

The interview team consisted of Noelle Osborne, Plant Operations Supervisor, James Lavalley, Wastewater Foreman and Jason Hayden, Public Works Division Senior Foreman. The team asked several interview questions related to the job.

It was determined that Mr. Law has been employed by the City since July 2016 and has excelled at his current position of Operator II. He has the minimum qualifications, and sufficient experience and ability to do the job.

Scott R Law

Nashua, NH 03060

Contents:

1. Online Application
2. Attachment: Resume

Prepared for: Noelle Osborne
City of Nashua
Oct 28, 2016 8:41 AM

City of Nashua Online Application

Law, Scott - AppNo: 8107

Date Submitted: 10/18/2016

Internal Candidate

Experience Continued

Previous Position Held		Employer Contact Information		Supervisor/Reference Contact Information	
Wheelabrator- Division of Waste Management Maintenance Mechanic		285 Holt Rd North Andover, MA 978-688-9011		Tim Shay 978-688-9011	
Date From - Date To:	01/1997 - 07/2016	Full or Part Time:	Full	Last Annual Salary:	65000
Reason for Leaving:	looking to work closer to home				
May we contact this employer?	Yes				
Responsibilities/Accomplishments at this Position	<ul style="list-style-type: none"> - Supervise contractors and employees during facility projects and plant shut-downs. - Diagnose root cause of problems and correct issues with mechanical, hydraulic and pneumatic components. - Maintain and monitor the operation of the power plant and other related activities. - Responsible for scheduling, monitoring, and performing routine predictive and preventive maintenance on equipment such as: valve adjustments, pump and conveyor rebuilds, hydraulic/pneumatic systems, blowers, and boiler systems. - Work with purchasing agent and senior management on inventory reduction program, obtain comparative quotes for projects and maintenance supplies. - Assist maintenance superintendent in developing yearly and 5 year maintenance plan and budget. - Coordinate with control room and operations management to schedule maintenance procedures. 				

Previous Position Held		Employer Contact Information		Supervisor/Reference Contact Information	
Continental Paving Fleet Technician		Hudson, NH 03061			
Date From - Date To:	01/1996 - 01/1997	Full or Part Time:	Full	Last Annual Salary:	
Reason for Leaving:					
May we contact this employer?	Yes				
Responsibilities/Accomplishments at this Position	<ul style="list-style-type: none"> - Repaired and maintained heavy construction and related support equipment. - Replaced or repaired engines and drive systems. 				

Previous Position Held		Employer Contact Information		Supervisor/Reference Contact Information	
Helfrich Brothers Boiler Works Boiler Tech					
Date From - Date To:	-	Full or Part Time:	Full	Last Annual Salary:	
Reason for Leaving:					
May we contact this employer?	Yes				
Responsibilities/Accomplishments at this Position	<ul style="list-style-type: none"> - Performed repairs and maintenance of a variety of boiler systems. - Managed and organized tool room and remote tool cribs. 				

City of Nashua Online Application

Law, Scott - AppNo: 8107

Date Submitted: 10/18/2016

Internal Candidate

Experience Continued

Previous Position Held		Employer Contact Information		Supervisor/Reference Contact Information	
United States Coast Guard Machinery Technician					
Date From - Date To:	06/1991 - 09/1995	Full or Part Time:	Full	Last Annual Salary:	
Reason for Leaving:					
May we contact this employer?	No				
Responsibilities/Accomplishments at this Position	- Directly oversaw and maintained 110ft. and 270ft. Coast Guard Cutters, including all aspects of engine and system repair and maintenance. - Supervised crew and oversaw the operation and safety of the entire boat in the absence of the Captain as Office of The Day. - Received Achievement Medal for motivation and integrity during a major recovery operation.				

Education

Please tell us about your educational background beginning with the most recent.

High School Attended: Alvirne High School

Graduation Status: H.S. Diploma

Highest Degree Attained: Technical Certification

Colleges, Universities and Technical Schools Attended:

Name and location	Major area of study	Minor area of study	Degree	Graduated
NH - Hesser College	Liberal Arts			No

Statement

Tip: Use your word processor to copy and paste in your answers. Copy your answers from the word processor and then hit CTRL+V for PC or OpenApple+V for Mac to paste.

1. Please explain how your past personal and professional experience make you a quality candidate for the position for which you are applying.

Dedicated and thorough individual who has been recognized by management for identifying potential problems and contributing to solutions in all aspects of plant operation and safety. Strong leadership, problem solving, and communication skills that transfer to any mechanical environment with years of increasingly responsible experience.

Obtained Massachusetts Municipal Wastewater Operator Grade 4 License March 2016.

City of Nashua Online Application

Law, Scott - AppNo: 8107

Date Submitted: 10/18/2016

Internal Candidate

Professional References

	Reference 1 of 3	Reference 2 of 3
Name:	Russell Manning	Tim Shay
Employer:	Wheelabrator	Wheelabrator
Current Position:	Maintenance Lead	Facility Manager
Home Phone:		
Cell Phone:		
Work Phone:		
Mailing Address:		
Email:		
Relationship to Candidate:	Supervisor	Manager
Years Known:	22	18
	Reference 3 of 3	
Name:	Bob Richardson	
Employer:	Wheelabrator	
Current Position:	Shift Supervisor/Control Room Operator	
Home Phone:		
Cell Phone:		
Work Phone:		
Mailing Address:		
Email:		
Relationship to Candidate:	coworker	
Years Known:	18	

Referrals

How did you hear about employment with us?

Current Employee

Additional Information

List any additional information which will help in determining your professional qualifications for a position.

ASME 6G Welding Certification; Machinery Technology School; U.S. Coast Guard.
 Obtained Massachusetts Municipal Wastewater Operator Grade 4
 New Hampshire Wastewater grade 2 OIT

Disclosures

Contract Status

* Are you currently under contract?

No

If Yes, which employer?

If Yes, when does it expire?

When may your present employer be contacted?

City of Nashua Online Application

Law. Scott - AppNo: 8107

Date Submitted: 10/18/2016

Internal Candidate

Disclosures continued

Professional Status

* Have you ever failed to be rehired, been asked to resign a position, resigned to avoid termination, or terminated from employment? No

If Yes, explain:

* Can you perform all the essential job function(s) of the position(s) for which you are applying, with or without reasonable accommodation? Yes

List any accommodations:

Legal Information

Please note: Applicants are not obligated to disclose sealed or expunged records of conviction or arrest.

* Are you eligible to work in the United States? Yes

* Have you ever been convicted of a criminal offense other than a minor traffic violation? No

If yes, explain, giving dates:

Please Note: A conviction will not necessarily bar you from employment. Facts, such as date of occurrence and rehabilitation will be considered. This information will be used only for job-related purposes and only to the extent permitted by applicable law.

Equal Opportunity Employer

City of Nashua is an Equal Opportunity Employer. City of Nashua ensures equal employment opportunities regardless of race, creed, gender, color, national origin, religion, age, sexual orientation or disability. City of Nashua has a policy of active recruitment of qualified minority teachers and non-certified employees. Any individual needing assistance in making application for any opening should contact the Department of Human Resources.

Applicant's Acknowledgment and Agreement

By checking the box below, candidate authorizes the City of Nashua to conduct an investigation of candidate to determine whether candidate has been convicted of any criminal or drug offenses as set forth in such statute, and, upon request, agrees to execute an investigation authorization form as a condition for candidate's employment. Candidate may not be employed unless such investigations have been initiated.

I certify that the information given by me in this application is true in all respects, and I agree that if the information given is found to be false in any way, it shall be considered sufficient cause for denial of employment or discharge. I authorize the use of any information in the application to verify my statement, and I authorize past employers, all references and any other person to answer all questions asked concerning my ability, character, reputation, and previous employment record. I release all such persons from any

City of Nashua Online Application

Law, Scott - AppNo: 8107

Date Submitted: 10/18/2016

Internal Candidate

liability or damages on account of having furnished such information.

X	Signed: Scott Law <small>Stamped: 4/30/2016 7:30:49 AM; 71.232.146.254, 69.65.0.247; Applicant - #8107 - Scott Law;</small>
----------	---

I agree



THE CITY OF NASHUA

Division of Public Works

Engineering Department

"The Gate City"

Board of Public Works Meeting of November 21, 2016 Engineering Department

Agenda

- A. Motion:** To approve the Residential and Commercial Wastewater Service Permits and Fees as submitted.
- B. Motion:** To approve the contract for engineering services for repairs to the Henri Burque Pedestrian Bridge to CLD Consulting Engineers of Manchester, NH in the amount of \$17,107. Funding will be through Department: 160 Admin/Engineering; Fund: Capital; Activity: Bridge Rehabilitation.
- C. Motion:** To authorize the request of Holland Hampshire, LLC to use one sewer service to service two individual lots (proposed Lot 88-1, 537 Amherst Street and proposed Lot 88, 539 Amherst Street), with the noted stipulations.
- D. Informational:** Update on Burke St Construction Completion
- E. Informational:** Update on 2016 Paving Program
- F. Motion:** To approve a professional services contract with Hayner/Swanson, Inc. of Nashua, NH to perform Project Wide Management Support for the Broad Street Parkway in the amount not to exceed \$120,000. Funding for this contract is through Department 160 Engineering; Fund: Bond; Activity: Broad Street Parkway.

City of Nashua, Public Works Division

To: Board of Public Works

Meeting Date: November 21, 2016

From: Stephen Dookran, P.E., City Engineer
Engineering Department

Re: Residential and Commercial Wastewater Service Permits

A. Motion: To approve the Residential and Commercial Wastewater Service Permits and Fees as submitted.

Discussion: Below is a list of Residential and Commercial Wastewater Service Permits issued for the period October 1 through October 31, 2016.

Date	Permit #	Location Address	Resident Name/ Company Name	Comments (Residential or Commercial)	Fees	Betterment	Entrance	Connection
10/12/2016	23691	41 Orange St	Scott Williams	Residential Increase Use	\$295.00	-	X	-
10/21/2016	23693	31 Dane St Lot-2	Raisanen Homes Elite, LLC	Residential New Service	\$295.00	-	X	-
10/25/2016	23688	15 Brookline St	George J & Louise A Coupe	Residential Replacement	\$600.00	-	-	X
TOTAL					\$1,190.00			

City of Nashua, Public Works Division

To: Board of Public Works Meeting Date: November 21, 2016

From: Stephen Dookran, P.E., City Engineer
Engineering Department

Re: Henri Burque Pedestrian Bridge
Engineering Services

B. Motion: To approve the contract for engineering services for repairs to the Henri Burque Pedestrian Bridge to CLD Consulting Engineers of Manchester, NH in the amount of \$17,107. Funding will be through Department: 160 Admin/Engineering; Fund: Capital; Activity: Bridge Rehabilitation.

Discussion: The Henri Burque Pedestrian Bridge provides connectivity from the Pennichuck Middle School to surrounding neighborhoods east of the school. Routine inspections by the NHDOT stated the deck has a rating of 6 (satisfactory) and the superstructure has a rating of 7 (good). However, the substructure has a rating of 3 (serious) primarily due to the deterioration of the pier caps at the point where it sustains the bridge bearing pads over which the steel superstructure rests. The nature of the distresses requires specialized technical expertise in bridge repairs. Engineering has negotiated a contract for \$17,107 with CLD Consulting Engineers of Manchester, NH, who recently provided engineering services for the Manchester Street Bridge project, to provide the design for bridge repairs. This includes development of the specialized detailed drawings and contract documents, bidding assistance and construction engineering. Sole servicing these services to CLD is preferred because of CLD's experience with various bridges and retaining walls in the city as well as their fee rates are reasonable.

Pending approvals, design would be carried on during the winter with construction repairs in the spring.

City of Nashua, Public Works Division

To: Board of Public Works Meeting Date: November 21, 2016

From: Stephen Dookran, P.E., City Engineer
Engineering Department

Re: Request for one private sewer service to service more than one lot

C. Motion: To authorize the request of Holland Hampshire, LLC to use one sewer service to service two individual lots (proposed Lot 88-1, 537 Amherst Street and proposed Lot 88, 539 Amherst Street), with the noted stipulations.

Attachment: Letter from Hayner/Swanson, Inc., dated November 7, 2016

Discussion: The property owner and developer of 537 and 539 Amherst Street, Holland Hampshire, LLC, and their consultant, Hayner/Swanson, Inc., have requested that the Board consider authorizing a single sewer service that would provide sewer service to two proposed individual lots. Existing Lot 88 has two existing buildings on it. One is a former restaurant and the other is an auto sales/repair shop. The developer is proposing that Lot 88 be subdivided into two separate lots that would be known as 537 Amherst Street and 539 Amherst Street, respectively Lot 88-1 and Lot 88. Even though each building on Lot 88 had its own sewer service connection, these lines connect together prior to reaching the 16 inch diameter sewer main in Amherst Street. The developer would like to use this same one service to service the proposed two individual lots. Authorization for the shared sewer service is being requested.

City Ordinance Section 255-22.A. states:

“A separate and independent private building sewer shall be provided for every building on an individual lot.”

However, Section 255-22.B. states:

“The Board of Public Works may authorize a private sewer servicing more than one lot when in the opinion of the Board, such an arrangement is in the best interest of the City and to require separate sewers would result in significant impracticality. Such authorization may be conditioned upon other reasonable requirements as the Board of Public Works or corporation counsel may impose.”

The proposed use of the new Lot 88-1, to be known as 537 Amherst Street, is a vehicle repair and service building. The proposed new Lot 88, to be known as 539 Amherst Street, is still under development and its use has not been determined yet. The existing sewer service should be capable of handling the total flow from the two lots but it shall be re-evaluated when the use of 539 Amherst Street is determined.

Engineering has no objections to this request, with the below stipulations:

- The maintenance of the sewer service within the right-of-way shall become the responsibility of the property owner(s).
- An agreement between the property owners regarding the responsibility for maintenance of the sewer service should be approved by the Engineering Dept. prior to filing with the Hillsborough County Registry of Deeds.



Hayner/Swanson, Inc.

Civil Engineers/Land Surveyors

November 7, 2016

Job #5413

Ms. Jeanne T. Walker, P.E.
City of Nashua
Division of Public Works
9 Riverside Street
Nashua, NH 03062

**RE: Proposed Subdivision Plan/Site Plan
537 & 539 Amherst Street
Nashua, NH**

Dear Ms. Walker:

On behalf of our client, Holland Hampshire, LLC, we respectfully request to be placed on the agenda for the City of Nashua Board of Public Works meeting on November 21, 2016. The reason for the request is to obtain approval in order to re-use an existing sewer service as part of the above-referenced subdivision/site plan. Per City Ordinance Section 255-22 (B), it is required that a separate and independent private building sewer be provided for every building on an individual lot.

The subject property contains an existing 8,845 SF building that includes a former restaurant space (537 Amherst Street) and current auto sales/repair shop (535 Amherst Street). Based on previous plans and City records, the restaurant space is serviced by a 6" sewer line that connects into the existing 16" sewer main on the opposite side of Amherst Street. The current auto sales/repair shop is serviced by a sewer line (size unknown) that connects directly into the above mentioned 6" line. The wye connection of these two services is located near the centerline of Amherst Street.

As shown on the subdivision plan, it is proposed to subdivide Lot 88 into two new lots (New Lot 88 & Lot 88-1). As shown on the site plan, it is then proposed to construct a new 6,750 SF National, Tire & Battery (NTB) vehicle repair and service building upon New Lot 88. The existing building will be demolished as part of this application. No development is currently proposed for New Lot 88-1, though our client is hopeful to find a user in the near future. Site plan approval will be needed for any development on New Lot 88. At that time, the future tenant's sewer usage will be evaluated and subject to DPW approval.

Our client is proposing to re-use the existing sewer lines to service the proposed redevelopment project. Our office was involved with the construction of the adjacent appliance store in which a new sewer connection was needed. Constructing a new sewer proved to be extremely difficult, costly and disruptive due to the existing 16" sewer main being located on the opposite side of Amherst Street and conflicts with other existing utilities. It is our opinion that all efforts should be made to avoid a similar connection.

As requested, our office contacted Mr. William McKinney, City of Nashua Building Department Manager, to discuss re-using the existing sewer. Mr. McKinney is comfortable with the joint use of the existing sewer services as long as the following conditions are met:

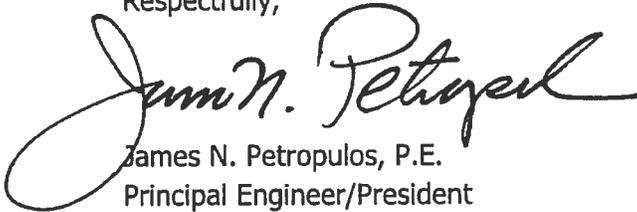
1. The existing sewer services shall have adequate capacity to service the proposed uses.
2. Proper easements shall be in place for the maintenance and joint use of the existing sewer services.

Additionally, the following conditions shall be met per your review letter dated November 1, 2016:

1. The existing sewer services shall be videotaped and proven to be in good condition prior to re-use.
2. The existing sewer service for New Lot 88-1 shall be located during the construction of the NTB project in order to verify its exact location, size and elevation. This effort shall be witnessed by HSI and the results provided to the Engineering Department.

We thank you for your assistance in this matter.

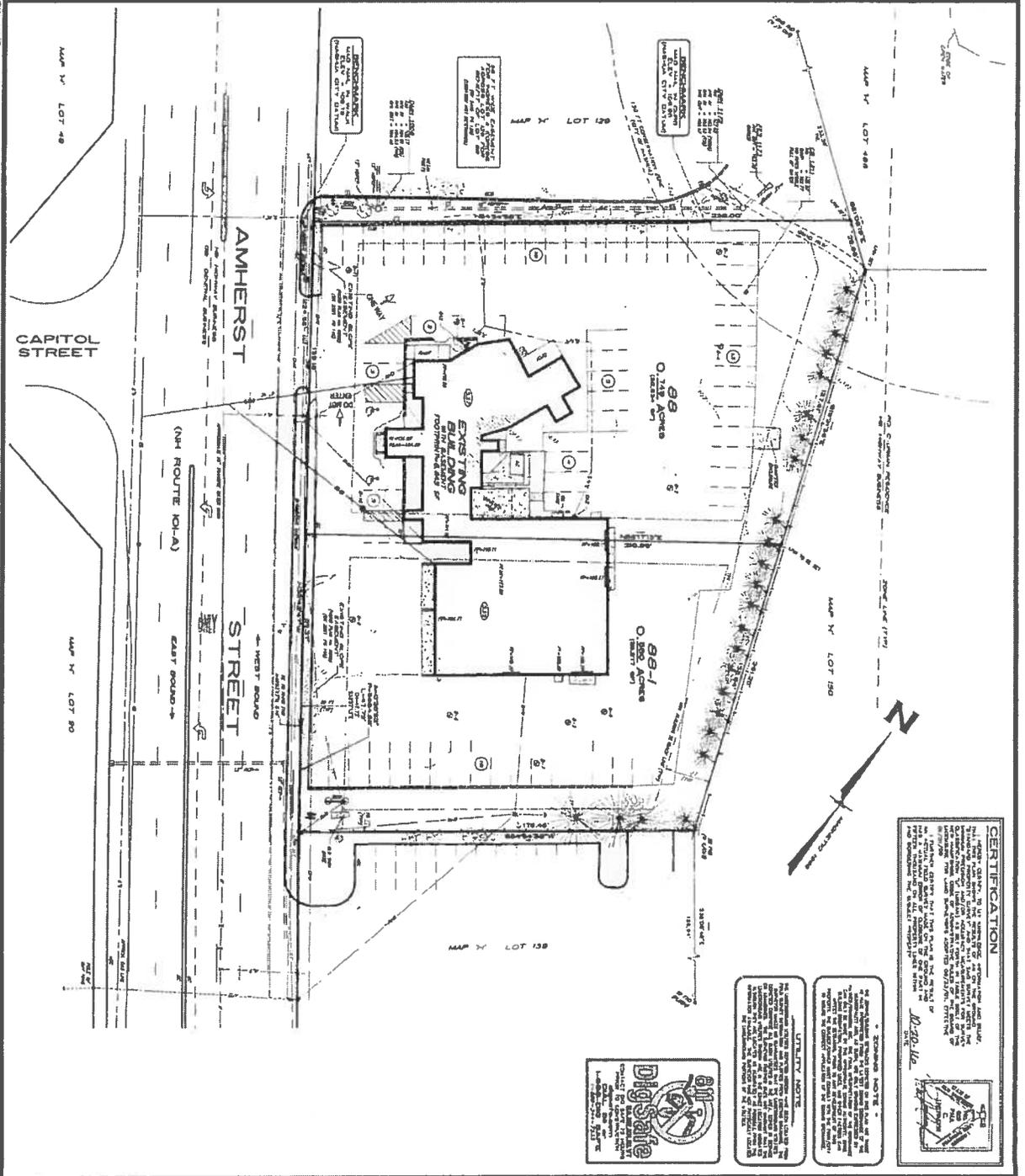
Respectfully,



James N. Petropulos, P.E.
Principal Engineer/President
Hayner/Swanson, Inc.

cc: Ralph Falls, Holland Hampshire, LLC
Gerry Prunier, Esq., Prunier & Prolman

Enclosures: Existing Conditions Plan (Sheet 2 of 14, last revised 10/18/16)
Site Grading & Utility Plan (Sheet 4 of 14, last revised 10/18/16)



CERTIFICATION

I, the undersigned, being a duly Licensed Professional Engineer in the State of New Hampshire, do hereby certify that the above is a true and correct copy of the original plan as filed in my office, and that the same conform to the requirements of the laws of the State of New Hampshire, and that the same have been prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer in the State of New Hampshire.

DATE: 09/20/16

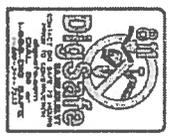
Signature: [Signature]

UTILITY NOTES

The utility lines shown on this plan are based on the utility maps of the City of Nashua, New Hampshire, and are shown for informational purposes only. The utility lines shown on this plan are not to be used for any other purpose without the approval of the City of Nashua, New Hampshire.

DISCLAIMER

This plan is prepared for the use of the City of Nashua, New Hampshire, and is not to be used for any other purpose without the approval of the City of Nashua, New Hampshire.



SURVEY NOTES:

1. THE CITY OF NASHUA, NEW HAMPSHIRE, HAS ADOPTED THE CITY OF NASHUA, NEW HAMPSHIRE, ZONING ORDINANCE, AS AMENDED, WHICH IS IN FULL FORCE AND EFFECT.
2. THE CITY OF NASHUA, NEW HAMPSHIRE, HAS ADOPTED THE CITY OF NASHUA, NEW HAMPSHIRE, SUBDIVISION ORDINANCE, AS AMENDED, WHICH IS IN FULL FORCE AND EFFECT.
3. THE CITY OF NASHUA, NEW HAMPSHIRE, HAS ADOPTED THE CITY OF NASHUA, NEW HAMPSHIRE, UTILITY ORDINANCE, AS AMENDED, WHICH IS IN FULL FORCE AND EFFECT.
4. THE CITY OF NASHUA, NEW HAMPSHIRE, HAS ADOPTED THE CITY OF NASHUA, NEW HAMPSHIRE, PLANNING DEPARTMENT, WHICH IS IN FULL FORCE AND EFFECT.
5. THE CITY OF NASHUA, NEW HAMPSHIRE, HAS ADOPTED THE CITY OF NASHUA, NEW HAMPSHIRE, PLANNING DEPARTMENT, WHICH IS IN FULL FORCE AND EFFECT.

CITY OF NASHUA

UTILITY CONTACTS

WATER: 603-888-1234
 SEWER: 603-888-1234
 GAS: 603-888-1234
 ELECTRIC: 603-888-1234
 TELEPHONE: 603-888-1234
 CABLE: 603-888-1234
 FIBER: 603-888-1234

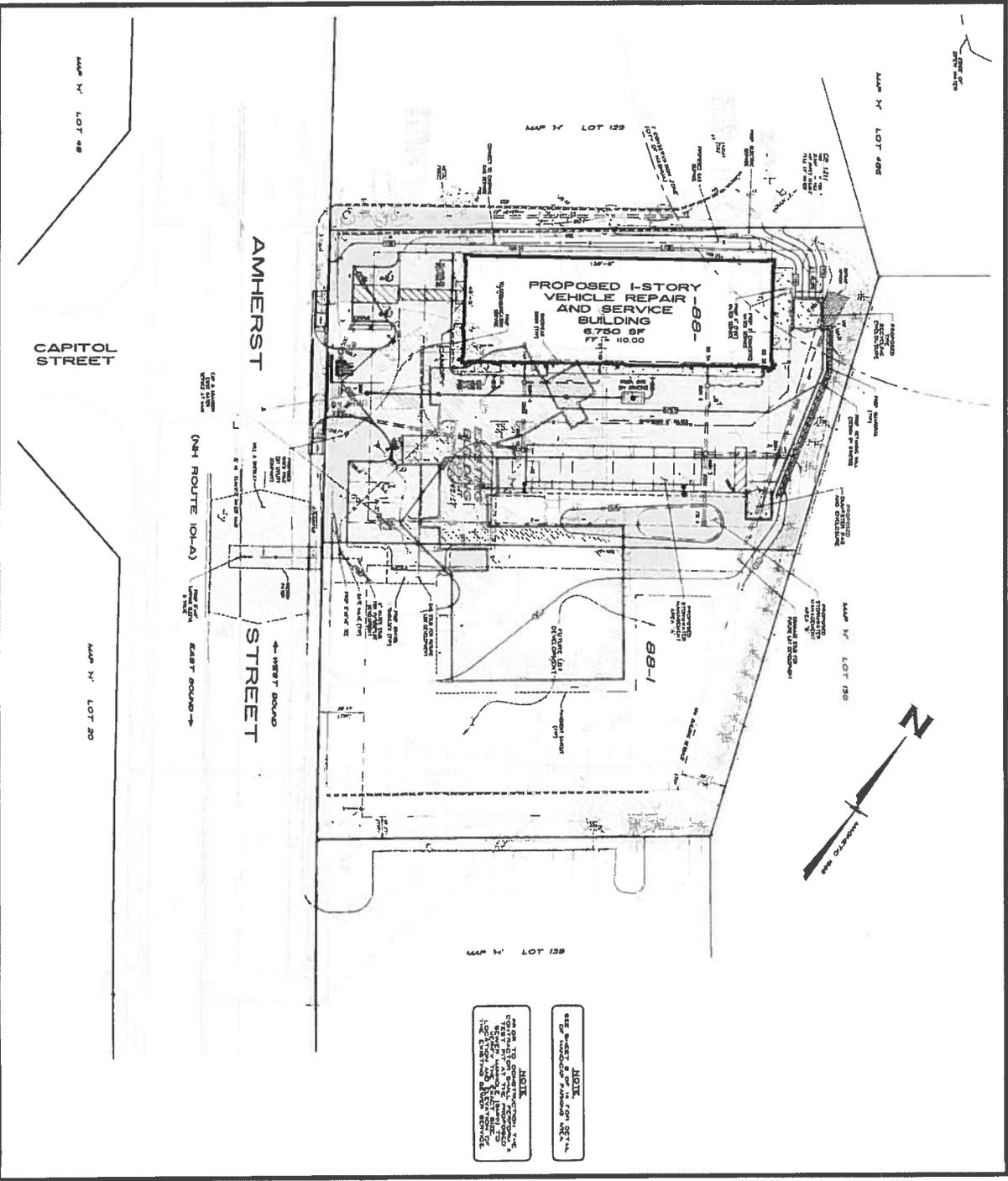
EXISTING BUILDING CONDITIONS, PLAN

Proposed NTR Tire & Service Center
 537 & 539 AMHERST STREET
 NASHUA, NEW HAMPSHIRE
 HOLLAND HAMPSHIRE, LLC
 PREPARED FOR: WALTER W. ANDERSON, JR.
 603 AMHERST STREET, NASHUA, NEW HAMPSHIRE 03083

20 SEPTEMBER 2016

HSSI Surveyors & Engineers, Inc.
 1000 Main Street, Suite 100
 Nashua, NH 03083
 Phone: 603-888-1234
 Fax: 603-888-1234
 Website: www.hssi-surveyors.com

NO. 1	LOT 48B	0.125 ACRES
NO. 2	LOT 48A	0.125 ACRES
NO. 3	LOT 90	0.125 ACRES
NO. 4	LOT 130	0.125 ACRES



SEE SHEET 4001E
FOR CONT'D PLAN

SEE SHEET 4001E
FOR CONT'D PLAN

CONSTRUCTION NOTES:

1. ALL CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL RESIDENTIAL CODE BOOK (IRC) AS APPLICABLE TO THIS PROJECT.
2. ALL CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC) AND THE INTERNATIONAL PLUMBING AND MECHANICAL CODE (IPC) AS APPLICABLE TO THIS PROJECT.
3. ALL CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE INTERNATIONAL FIRE MARSHAL ASSOCIATION (IFMA) AS APPLICABLE TO THIS PROJECT.
4. ALL CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE INTERNATIONAL FIRE MARSHAL ASSOCIATION (IFMA) AS APPLICABLE TO THIS PROJECT.
5. ALL CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE INTERNATIONAL FIRE MARSHAL ASSOCIATION (IFMA) AS APPLICABLE TO THIS PROJECT.
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10. ALL CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE INTERNATIONAL FIRE MARSHAL ASSOCIATION (IFMA) AS APPLICABLE TO THIS PROJECT.
11. ALL CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE INTERNATIONAL FIRE MARSHAL ASSOCIATION (IFMA) AS APPLICABLE TO THIS PROJECT.

UTILITY NOTES:

1. ALL UTILITIES SHALL BE DELETED AND REINSTALLED WITHIN EXISTING EXCAVATION AREAS.
2. ALL UTILITIES SHALL BE DELETED AND REINSTALLED WITHIN EXISTING EXCAVATION AREAS.
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11. ALL UTILITIES SHALL BE DELETED AND REINSTALLED WITHIN EXISTING EXCAVATION AREAS.

SITE GRADING AND UTILITY PLAN
(SITE "A", LOTS 20 & 497-1)

Proposed NTB Tire & Service Center
637 & 639 AMHERST STREET
NASHUA, NEW HAMPSHIRE

TRUSTEES FOR
HOLLAND HAMPSHIRE, LLC
10000 WINDY HILL DRIVE, SUITE 100, CHICHESTER, NH 03033 (703) 333-2424

WALTER W. ANDERSON, JR.
607 WINDY HILL STREET, NASHUA, NH 03033 (603) 552-9200

20 SEPTEMBER 2016

HESI
Civil Engineering & Surveying, Inc.
Three Commercial Buildings, 10000 Windy Hill Drive, Nashua, NH 03033
Phone: (603) 552-9200 Fax: (603) 552-9207
www.hesi-engineering.com

Sheet 4001E of 4001E-1

City of Nashua, Public Works Division

To: Board of Public Works Meeting Date: November 21, 2016

From: Stephen Dookran, P.E., City Engineer
Engineering Department

Re: CSO 4 Infrastructure Improvements
Burke St Sewer Phase 2 – Construction

D. Informational: Update on Burke St Construction Completion

Discussion: At this time, all sewers drain and utility work has been completed. Sidewalks and road restoration have mostly been completed as well. The striping will be put back in the original configuration since the effort to introduce traffic calming using bump outs and restricting parking to only one side of the street was opposed at the neighborhood meeting on April 21, 2016. The centerline stripe will divide the roadway into essentially two 17-foot lanes with parking allowed on both sides as it was before the project. With the amount of commercial and bus traffic, it is desirable to have 11-foot travel lanes but that will leave only 6-foot shoulders which are not enough for passenger vehicle parking. Therefore, at this time, shoulder lines will not be installed, but if speeding becomes a problem, the Engineering Dept. will recommend that the street be striped for 10-foot travel lanes and 7-foot parking shoulders. Although these widths are not ideal, the narrow travel lanes should help in reducing travel speeds.

City of Nashua, Public Works Division

To: Board of Public Works Meeting Date: November 21, 2016
From: Stephen Dookran, P.E., City Engineer
Engineering Department
Re: 2016 Paving Program

E. Informational: Update on 2016 Paving Program

Attachment: 2016 Paving Program Status Update

Discussion: Attached is an update of the status of the streets included in the 2016 Paving Program.

Thirty-two of the thirty-four streets in the program are complete.

Galway Road has been shimmed. Final paving is scheduled for the week of November 14.

Temple St. cannot be paved until all the sewer work is complete. Repairing the sewer under the railroad tracks at the intersection with Amory St. is complicated and we are reviewing with various contractors, utilities and the Railroad what the best option is. At this time, we expect the final paving to be completed next year.

Attachment E1. Paving Program Status Update

Street	From	To	Status
Blackstone Dr	Amherst St	End	Completed.
Bowman Ln	Barnesdale Rd	Northeastern Blvd	Completed.
Briarcliff Dr	Fordham Dr	White Plans Dr	Completed.
Broad St	Hyannis St	Broadcrest Ln	Completed.
Carter Circle	Custom St	Circle	Completed.
Chaucer Rd	Spencer Dr	Coleridge Rd	Completed.
Coleridge Rd	Spencer Dr	Chaucer Rd	Completed.
Custom St	Tenby Dr	Harris Rd	Completed.
DW Highway, NB and SB	Adventure Way	Graham Rd	Completed.
Eleventh St	Ledge St	90' From Ledge St	Completed.
Fairmount St	Baldwin St	Charles St	Completed.
Flintlocke Dr	Jill Dr	End	Completed.
Galway Rd	Kenmare Rd	Raleigh Dr	Shim has been completed. Final paving scheduled for week of November 14.
Grenada Cir	Westgate Crossin	Circle	Completed.
Jill Dr	Harris Rd	End	Completed.
Kenmare Rd	Kerry Ln	Raleigh Dr	Completed.
Kerry Ln	Raleigh Dr	Raleigh Dr	Completed.
Lisa Dr	East Dunstable R	Lamb Rd	Completed.
Lone Star Dr	New Searles Rd	End	Completed.
Loring Dr	Yarmouth Dr	End	Completed.
Nelson St	Richmond St	End	Completed.
Ninth St	Ledge St	Will St	Completed.
Pelham St	Piermont St	Hyannis St	Completed.
Piermont St	Nelson St	Broad St	Completed.
Rene Dr	Main Dunstable	End	Completed.
Stafford Rd	Nottingham Dr	Northeastern Blvd	Completed.
Swift Dr	Whitman Rd	Chaucer Rd	Completed.
Tinker Rd	White Oak Dr	Beginning Of Bend	Completed.
Valencia Dr	Westgate Crossin	Circle	Completed.
W Hollis St	Wellesley Rd	Gary St	Completed.
Whitman Rd	Spencer Dr	Coleridge Rd	Completed.
Will St	Ninth St	Simon St	Completed.
Streets to be paved as part of sewer rehabilitation project			
Temple St	East Hollis St	Commercial St	Sewer repair was unable to be completed this year.

Note: Final Schedule to be dependent upon progress with preparation work and weather.

City of Nashua, Public Works Division

To: Board of Public Works Meeting Date: November 21, 2016

From: Stephen Dookran, P.E., City Engineer
Engineering Department

Re: Civil Engineering Services for Post Construction Phase Management and Administration Support by Hayner/Swanson, Inc. (HSI) for the Broad Street Parkway Project.

F. Motion: To approve a professional services contract with Hayner/Swanson, Inc. of Nashua, NH to perform Project Wide Management Support for the Broad Street Parkway in the amount not to exceed \$120,000. Funding for this contract is through Department 160 Engineering; Fund: Bond; Activity: Broad Street Parkway.

Attachment: Summary of Fee

Discussion: Hayner/Swanson, Inc. (HSI) has provided services throughout the planning, design and construction phases of the Broad Street Parkway.

HSI's budget for construction phase services is nearly expended. This budget was established in Fall 2013 based on an assumption that the parkway would be open to traffic by May 1, 2015. Beyond the control of HSI and the City, the project did not open until December 19, 2015. It is noted that HSI was able to carry this budget without increase even with this longer construction as well as numerous unforeseen tasks related to asbestos, federal funding and complexities of right-of-way acquisition. The City has requested a proposal from HSI to perform several post-construction tasks associated with the project closeout. In some cases, HSI has been asked to establish allowances for several possible tasks; these allowances will not be used unless HSI is directed by the City. These tasks and allowances are identified on the attached spreadsheet and include:

1. HSI's support is needed in the ongoing effort to assure that all programmed federal funding for the parkway are spent on City projects including \$4.4 million presently being repurposed by FHWA.
2. A number of concerns remain related to finalization of various right-of-way acquisitions. In some cases these tasks are related to sale of surplus property.
3. Various activities related to contract closeout and completion of City project commitments.
4. Support to the City related to several claims, notably including a contractor's claim for \$1.4 million related to construction of the River Bridge. Other outstanding claims involve property acquisitions.

**Broad Street Parkway
Project Management and Engineering Services
Hayner/Swanson, Inc. Scope Fee Schedule**

Post-Construction Services & Project Closeout Support	Project Manager	Engineer	Constr. Observer	Senior Surveyor RLS	Survey Field Staff	CADD	Admin	Total
Rates	\$150	\$115	\$75	\$130	\$75	\$75	\$60	
Task								
COORDINATION RELATED TO FEDERAL FUNDING								
Continued coordination with DPW to finalize budgetary totals, reimbursement requests and track federal funding	60						16	76
Continued coordination with respect to "Repurposing" BSP federal funds to other paving projects	24						4	28
COORDINATION RELATED TO RIGHT OF WAY								
Prepare Easement Plan for Easterly Remnant of Parcel 77A	1			3	8	4		16
Revise ROW Plan in area of Westerly Remnant of Parcel 77A	1			3	8	4		16
Monumentation of ROW at Parcel 77A					4			4
Prepare Parcel Plan & Easement for Parcel 6 (44 Broad St)	1			2				3
Prepare Parcel Plans for 2 Remnants of Boiler House Parcel	2			4		5		11
Prepare Parcel Plan for 3 Parcels (Hillcrest Avenue)	2			6	16	8		32
Revise Central Street ROW at 40 Pine Street	1			12	16	8		37
Coordinate with Appraiser		6						6
Coordinate with City & NHDOT - Appraisal Reports	3							3
Support related to sale of eligible parcels	12							12
Coordinate study of retaining wall parcel 60	8	4					2	14
								0
CONTRACT CLOSEOUT								
Coordination Related to Final Closeout - Parkway North								0
Complete compilation of Record Files	2	4					4	10
Allowance for coordination during NHDOT/FHWA audit	12	16					4	32
								0
Coordination Related to Final Closeout - River & Fairmount Street Bridges								0
Coordination during completion of punchlist work	8	16	16				4	44
Complete compilation of Record Files	8	40	6				6	60
Allowance for coordination during NHDOT/FHWA audit	12	16					4	32
Coordination related to snow fence on bridge	8	16	8				2	34
Coordination related to fence on retaining wall	8	16	12				2	38
								0
Coordination Related to Final Closeout - Parkway South								0
Coordination during completion of punchlist work	8	12	16					36
Complete compilation of Record Files	8	70	8				4	90
Allowance for coordination during NHDOT/FHWA audit	12	16					4	32
								0
Coordination Related to Final Closeout - Chimney Rehabilitation	4	8					2	14
Coordination Related to Final Closeout - Fire Pump Replacement	8	4					2	14



THE CITY OF NASHUA

Division of Public Works

Administration

"The Gate City"

Board of Public Works Meeting of November 21, 2016 Administration Department

Agenda

- A. Informational:** Budget Transfers
- B. Informational:** Update on Burke Street
- C. Informational:** Director's Report

**CITY OF NASHUA
REPORT OF DEPARTMENTAL BUDGET TRANSFERS
FISCAL YEAR 2017**

<u>DATE</u>	<u>ACCT UNIT</u>	<u>ACCOUNT</u>	<u>ACCOUNT DESCRIPTION</u>	<u>FROM</u>	<u>TO</u>
DEPARTMENT 168 - SOLID WASTE					
02 TAX RATE BUDGET ADJUSTMENTS					
TRANSFER # 40 TAX RATE BUDGET ADJUSTMENTS					
11/03/2016	68.6000.500	49100	TRANSFER FROM GENERAL FUND	3,706,543.00	
				3,706,543.00	0.00
TOTAL FOR ADJUSTMENT CODE 02 - TAX RATE BUDGET ADJUSTMENTS				\$3,706,543.00	\$0.00

TOTAL FOR DEPARTMENT 168 - SOLID WASTE	\$3,706,543.00	\$0.00
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**CITY OF NASHUA
REPORT OF DEPARTMENTAL BUDGET TRANSFERS
FISCAL YEAR 2017**

<u>DATE</u>	<u>ACCT UNIT</u>	<u>ACCOUNT</u>	<u>ACCOUNT DESCRIPTION</u>	<u>FROM</u>	<u>TO</u>
DEPARTMENT 169 - WASTEWATER					
04 DEPARTMENTAL BUDGET TRANSFER					
TRANSFER # 39 WWTF PLANT OVERSIGHT CONTRACT					
10/31/2016	69.6200.670	53107	ARCHITECT & ENGINEERING SERVICES		25,000.00
10/31/2016	69.6200.670	51100	WAGES FULL TIME	25,000.00	
				25,000.00	25,000.00
TOTAL FOR ADJUSTMENT CODE 04 - DEPARTMENTAL BUDGET TRANSFER				\$25,000.00	\$25,000.00

TOTAL FOR DEPARTMENT 169 - WASTEWATER				\$25,000.00	\$25,000.00
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**CITY OF NASHUA
REPORT OF DEPARTMENTAL BUDGET TRANSFERS
FISCAL YEAR 2017**

<u>DATE</u>	<u>ACCT UNIT</u>	<u>ACCOUNT</u>	<u>ACCOUNT DESCRIPTION</u>	<u>FROM</u>	<u>TO</u>
DEPARTMENT 177 - PARKS & RECREATION					
04 DEPARTMENTAL BUDGET TRANSFER					
TRANSFER # 37 Fright Night					
10/24/2016	77.1.655	55658	BANQUETS & OUTINGS		1,600.00
10/24/2016	77.1.658	55656	PARADES	1,600.00	
				1,600.00	1,600.00
TOTAL FOR ADJUSTMENT CODE 04 - DEPARTMENTAL BUDGET TRANSFER				\$1,600.00	\$1,600.00

TOTAL FOR DEPARTMENT 177 - PARKS & RECREATION				\$1,600.00	\$1,600.00
--	--	--	--	-------------------	-------------------

Board of Public Works Meeting of November 21, 2016

Department Report

Engineering Department

- **Broad Street Parkway.** Punch list for Parkway South is being addressed by the contractor. ED Swett needs to address outstanding items for the River Bridge and Fairmount St contract. FHWA reimbursement and closeout documentation is ongoing. Responses to the ED Swett lawsuit and the NIMCO lawsuit have been sent in by the Legal Department. A dedication of the LED lighting of the River Bridge is scheduled for Nov. 21.
- **Burke Street Sewer Phase 2.** Sidewalk repairs and driveway connections are ongoing. Final paving of Burke St is completed with the side street connections to be completed this season. Striping and signage are scheduled to be completed during the remainder of this construction season.
- **Temple St Sewer.** Engineering is working with Ted Berry on a plan to do a trenchless treatment of the sewer under the railroad tracks.
- **2016 Sewer Replacement.** In the Hoyts Lane area, Pennichuck has completed the water lines and Park Construction is installing the gravel for the road. On Tolles St, Park Construction has completed the base paving. All streets will be final paved next year by the Paving Program.
- **Collection Systems Operation and Maintenance Review.** CDM/Smith continues to develop the plan.
- **Bridge Inspections.** Engineering is working with CLD Consulting Engineers on a plan for repairs to the NHDOT red listed pedestrian bridge that crosses Henri Burque Highway at Pennichuck Middle School.
- **Main Street Sidewalk Improvements.** The remaining work on the two brick crosswalks and median islands on Main St. was completed on November 2, 2016.
- **East Hollis Railroad Crossing.** On October 13, Pan Am notified the City and NHDOT that they will not be able to begin work East Hollis Railroad crossing project. Their track forces are committed to complete several other crossing projects as AMTRAK is shut down for six weeks. In response to DOT's question on the schedule, Pan Am stated that the work is expected to begin in the middle of April 2017.
- **FY2016 Street Paving Program.** Work is largely completed. The contractor is addressing minor punch list items. Galway was shimmed and will be final paved this season.
- **Merrimack River Levee.** The Draft Emergency Action Plan was submitted and reviewed by the USACE. After several iterations, the EAP was accepted. Sandbags required to close the northern and southern terminus of the levee over the railroad tracks when the river elevation reaches elevation 119.0 were ordered and delivered to the Street Dept. The semi-annual progress report is being drafted.
- **Rail Trail Lighting.** The concrete poles for the Rail Trail Lighting project were delivered on October 26, 2016. Lighting fixtures including mast arms, luminaries are scheduled to be shipped on November 14, 2016. The installation of poles is expected to begin on the week of November 14, 2016.

- **Stadium Drive Skate Park and Parking Lot.** A project scope and planning meeting was held this month and the process of coordinating the exchange of contract documents, CAD and survey files to designer/builder Andy Duck has begun.
- **Drainage Issues.** Engineering provided a design to the Street Department to address the drainage issue at 18 Shelley Dr.
- **Pavement Management Program.** The Engineering department has completed a citywide inspection/confirmation of the Pavement Condition Index values for all paved streets. A list has been created with all streets that were identified as “wrong” in the City’s Backlog Pavement list and has been submitted to Stantec for review.
- **Whipple St Parking near Mine Falls Park.** Engineering has done an evaluation of the current configuration of the existing parking spaces on Whipple St. and proposed a new configuration to increase the number of parking spaces. The design for the additional parking space is complete and has been provided to the Street Dept. for construction.
- **Amherst Street Roadway Improvements – Charron Avenue to Diesel Road.** Fairpoint is the only remaining utility on the existing poles. They are scheduled to shift their lines on November 14 and 15. This would then allow the poles to be removed. Continental is working on the installation of the new traffic signal at the Charron Avenue intersection, which will allow left hand turns onto Amherst Street. It is scheduled to be operational prior to Thanksgiving.
- **East Hollis Railroad Crossing.** On October 13, Pan Am notified the City and NHDOT that they will not be able to begin work East Hollis Railroad crossing project. Their track forces are committed to complete several other crossing projects as AMTRAK is shut down for six weeks. In response to DOT’s question on the schedule, Pan Am told the work is expected to begin in the middle of April 2017.
- **LED Street Lighting Conversion.** Siemens continues to replace the existing cobra head lights with new LED cobra head lights within several neighborhoods. Work will continue through the end of the year. Approximately 35% of the new LED lights have already been installed.
- **Site Development Review.** Engineering has reviewed the following Site Development and Subdivision plans: 62 Bridge Street – Renaissance, 6 and 8 Girouard Avenue, 537 Amherst Street, 122 Manchester Street, 9 Union, L, Bridge and 6 Eckler Avenue, 1093 and 1095 West Hollis Street, and 667 and 673 West Hollis Street.
- **Street Acceptance.** Several concerns raised by the abutters to Cherrywood, Anabelle, Tamora and Moonstone are being worked on with the developer.
- **Construction Inspection.** The inspectors have provided inspection for the following projects: Monis Farms Phase 2, 323 Daniel Webster Highway, Burke Street, 242 Main Street – CVS, Skyline Drive, Gagnon Farms, 2016 Sewer Improvements project, paving program inspections, sewer and drain video inspections and inspections for driveway, sewer service and gas service repairs throughout the city.
- **Engineering Survey.** Ongoing survey projects include: Survey for drainage problem on Victor Ave, survey for curb at 168 Main Street, survey of ROW at 15 Brookline St, survey of Pemberton Rd, survey of New Searle’s Rd, survey of Troy Street, survey of Cherrywood Dr, layout of lights along Rail Trail and survey of Crown Street/levee.
- **Street Opening Permits.** Engineering issued 64 Street Opening Permits and ten Permits to Encumber in October.

- **Sewer Permits.** Three sewer permits were issued and \$1,190.00 in fees was collected from October 1st to October 31st, 2016.

Street Department

- **October Street Department completed tasks.**
 - Over 70 Potholes were filled at 50 sites.
 - 9 Sidewalks were repaired.
 - 1 Sewer service line was repaired.
 - 3 Catch Basins were inspected and repaired.
 - 6 Manholes were repaired.
 - 3 Drainage issues were repaired.
 - 9 Lawns repaired following sidewalk work.
 - 2 Mailbox's were repaired.
 - 2 Trenches were patched.
 - 2 Berms were installed or repaired.
 - 3 curbs were installed or repaired.
 - The Bio-filter and transformer digs at Wastewater have started.
 - New conduit and wiring for the Swart Terrace light poles are almost complete.
- **Main Street**
 - Crews from the Street and Traffic departments have almost finished work on the new midblock crosswalks on blocks 3 and 4. Brickwork has been installed for both crosswalks by the contractor with assistance from Street Dept. crews.
 - Brickwork at City Hall Plaza has been completed for the winter.
 - The new sidewalk from Main Street to the Spring St. parking lot is almost completed. New bollards are being installed along the sidewalk from Main St. to the church parking lot.
- **Sweeper Program**
 - Five sweepers are operating daily.
 - 5 special sweeping requests were completed.
- **Asphalt Repairs**
 - Paving repairs were made at the sights of 9 sidewalk repairs.
 - The Mill and Fill program is ongoing and the crew recently completed work on Morningside Dr.
- **Traffic**
 - 61 Traffic Signal/Street sign problems were responded to and fixed.
 - During the day the crew has been addressing failed traffic signals and communication issues city-wide including issues on the DW Highway, Elm St at Kinsley St., Allds St. at Burke St, Riverside Dr at West Hollis, Wellesley at West Hollis and various other locations.
 - 42 street signs or No Parking signs were replaced or repaired.

- Traffic department personnel set up and removed the voting booths at 9 polling stations for the elections.
- New signs were designed, ordered and installed for the Fire Dept.
- **Fleet**
 - Preventative maintenance and repair of the fleet is ongoing daily.
 - All fleet vehicles are having final preparations, checks and repairs made to be ready for winter operations.
 - Motion Link troubleshooting is ongoing.
 - Solid Waste equipment and vehicles are repaired daily with top priority.
 - State Inspections for FY17 are completed with 1 backline vehicle left to repair prior to winter operations.
- **Weld shop**
 - The welder is busy repairing plows and plow frames. Also, work is being done on the bodies and tailgates in preparation for sanders to be installed.

Parks & Recreation Department

- **2016 Trips.** The NYC in December is sold out.
- **Holman Stadium.** Renovations to the field, outfield wall, warning track and visitors dug out are being worked on. We will be finalizing the details on the replacement of the scoreboard and sound system in the near future.
- **Stellos Stadium.** We are at the end of the 2016 season. The Annual Turkey Bowl Game is scheduled for 6:00PM on Wednesday November 23rd.
- **Fall Projects.** The staff has continued to work on the Legacy Playground and making repairs to the ballfields at upper Lincoln Park and the North Common Babe Ruth field.
- **Mine Falls Park.** The Mine Falls Advisory Committee held its November Trail Day on November 5th. The project for the day was cleaning the drainage area under the turnpike.
- **Summerfun.** The 2017 sponsorships campaign has started.
- **Pools.** The pools have been winterized and closed down for the season. Winter valve work will need to be done at Crown Hill pool.
- **Fall Festival Fright Night.** The event had to be cancelled this year due to heavy rain and strong winds. We were concerned with the safety of employees and residents being out in these conditions.
- **Biddy Basketball.** Signups have been strong and all of our coaching vacancies have been filled. Practices have started and the season is underway.
- **Fall Sports.** The fall sport season for football, soccer and fall baseball has come to an end.
- **Senior Outing.** The Senior Outing was held on Sunday November 13, at the Crowne Plaza. Over 340 seniors attended the event.
- **Main Street Decorations.** Crews started putting up banners, lights and garland in anticipation of the Downtown Stroll.
- **The Holiday Tree.** The tree was put into place on Thursday November 17th. The tree was donated from XP Electronics on Main Street owned by the Dargis family

- **City Hall Planters.** 4 planters were installed at City Hall Plaza as part of the plaza renovation project.
- **Leaves.** Leaf removal at all of the parks and public spaces has been ongoing throughout the month and will continue as long as the weather is favorable.
- **Fields Grove Shade Structure.** A shade structure was installed at Fields Grove Park. This structure was an Eagle Scout Project from Eagle Scout candidate Jacob Holmes.
- **River fountain.** The fountain was removed from the river for the season. The fountain is over 20 years old and is showing its age.
- **Stadium and Irrigation Winterization.** Facilities and irrigations systems have been winterized for the year.
- **Santa in the Park.** Come visit Santa at the Greeley Park Gazebo on Sunday December 11th at noon.
- **Winter Preparations.** Vehicles and equipment are being prepared for the winter season. Salt and sand are being delivered to fill our salt barn.
- **Roadside Mowing.** The roadside mowing for the season has been completed.

Wastewater Department

- **Pump Stations Upgrades Project.** Site visits to several wastewater pump stations were made with plant personnel and the consultant Woodard & Curran (W&C). These visits provided plant staff with an overview on how some of the new pump stations will look. W&C is continuing with the 30% design to be complete by the end of November.
- **SCADA Upgrades Project-Wet Weather Facility.** Due to the lack of storm events during working hours, the Plant Operations Supervisor obtained permission from the NHDES to test the Wet Weather Facility using influent wastewater. Consultant Woodard & Curran will be present for this test to determine whether the SCADA changes they implemented are functioning properly and Facility staff will determine what other changes are needed to have the facility operate properly.
- **SCADA Upgrades – Plant Wide.** Consultant Woodard & Curran has prepared and submitted to the NHDES for review the 90% design plans for the plant wide control systems and SCADA upgrades. Final bid documents are currently being prepared. This project will make improvements to control system and SCADA plant wide.
- **Headworks Upgrade Project.** The contractor is continuing with upgrades to the new compressor room and women's locker room.
- **HVAC Upgrades.** Consultant Wright Pierce has completed a preliminary design report. They are currently working on the 65% design package which should be completed by the end of November. Final design should be completed by mid-January.
- **Water Booster Station Upgrades.** Consultant Woodard & Curran recently completed a preliminary evaluation report of the potable water booster system for the wastewater plant. This report is being review by Plant staff. A new contract for the design of the water booster station will follow.
- **Laboratory.** The laboratory continues comprehensive training of the chemists. The Process Chemist recently attended a course for Laboratory Analysts. Upon completion she passed the exam for Wastewater Laboratory Analyst Certification, Grade 1, a voluntary certification

offered through the New England Water Environment Association. The newly hired Analytical Chemist has successfully completed her 90 day probationary period in the lab. The latest revision of the Quality Systems Manual has been completed and put into practice. The Laboratory Supervisor and Process Chemist were able to go out into the city and visit all of the CSO locations thanks to the help of members of the Collections System crew. The knowledge gained during these visits will be used to assemble a detailed, written action plan for sampling future CSO occurrences.

- **Maintenance.** The maintenance staff has worked on many systems. The primary basin number 1 had the scum drum Rotork actuator replaced, the tank drain control box replacement was completed, the grit washer organics valve was replaced, two of the waste activated polymer pumps were replaced, the rupture disk on the thickened primary sludge pump was replaced, more heating issues were repaired, the drive on the thickened waste activated sludge pump was repaired, and the maintenance staff entered aeration basin number 3 for repairs. Work continues on cleaning and organizing the shop when time allows.
- **Operations.** The Operations department continues daily operations of the facility as well as monthly inspections and checks. They adjusted chains in Primary basins 4 and 5, which completes the annual maintenance of all 5 primary basins. They entered Aeration Basin number 3 for inspection. They have worked on prepping the facility for construction and continue to clean and prep equipment that needs maintenance and assist as needed.
- **Collections.** The collection crew has been working heavily on catch basin cleanings and inspections, as well as inspecting all the grates in the City. Additionally, they performed some onsite drain work at the request of the wastewater engineer, and continue to respond to emergencies within the City.
- **Safety & Training.** Staff are attending quarterly training classes as required to keep their certifications up to date. We continue to work with Risk Management for in house safety training.

Solid Waste Department

- **DPW / Recycling / HHW / Solid Waste:**
 - Presentation to students at Fairgrounds Elementary School on the 2017 Recycling Calendar Poster Contest. More than 437 submittals were received and judged. Puritan Capital got the bid for printing.
 - I participated in a DES workshop – a mock facility inspection - in Hollis NH, and attended a meeting of the Public Works Day review committee. A display was set up at the Senior Center for the City's Wellness Fair. Students from the Nashua Community College Environmental Science class toured the Landfill / Recycling Center.
 - I worked with several entities (agency, school, non-profit and 1 hauling company) on their questions about bulbs, recycling and residential credits.
 - Weekly reports on Single Stream recycling shipments were sent to and received from Casella.

- **RECYCLABLES SHIPPED in October 2016:**
 - 358 tons of single-stream recycled materials
 - 22.4 tons of electronic waste
 - 14.5 tons textiles & books
 - 1 box rechargeable batteries
 - 900 gallons used oil
 - 360 appliances evacuated of CFCs
 - 12 tons tires
 - 710 fluorescent bulbs
 - 47 tons brush

- The revenue for single stream recycling in October is \$3.75 / ton, or ~ \$1,336; \$225 / haul less revenue will cost ~ \$2,939.

- **RECYCLING BINS & CARTS:**
 - 75 recycling carts were sold in October;
 - Recycling bins were given to 18 residents, including 7 new houses (34 bins total).
 - 41 trash carts were distributed: (19 damaged or dropped into hopper or missing; 3 extra cart given; 12 exchanges; and 7 new constructions. 63 broken trash lids & 1 recycling lids were replaced. 2 replacements of wheels &/or bars.