

CITY OF NORWALK
Norwalk City Hall
125 East Avenue, PO Box 5125
Room 225
Norwalk, CT 06856-5125
P: 203-854-7791 / F: 203-857-0143

PUBLIC WORKS COMMITTEE of the COMMON COUNCIL

DATE: Tuesday, March 5, 2019
TIME: 7:00 P.M.
PLACE: Norwalk City Hall, 2nd Floor, Room 225

AGENDA

Public Input

Public input (Guests at Committee meetings may speak to any item on the agenda. Comments shall be limited to no more than three (3) minutes per speaker.)

New Business

1. Approve the Minutes of the Public Works Committee Meeting of Monday, February 5, 2019.
2. Authorize the Mayor, Harry W. Rilling, to execute an Agreement between the City of Norwalk and Vanasse Hangen Brustin, Inc. (VHB) for pavement engineering and consulting service in connection with the Pavement Management Program. The Agreement is to establish a three (3) year base period, with two (2) one-year options and an annual sum not to exceed \$250,000.00 per year.

Account No. 09 19 4021 5777 C0021

3. Authorize the Mayor, Harry W. Rilling, to execute the Project Authorization Letter for State Project 102-347 Traffic Signal Upgrade Phase 3.
4. Authorize the Mayor, Harry W. Rilling, to execute a fifth Amendment to the June 5, 2017 Contract with Tighe and Bond, Inc., to provide professional engineering services relative to the Norwalk Levee, for an amount not to exceed \$201,100.00, for Construction Observation Services of both the Mall (GGP Escrow) and miscellaneous DPW Capital Projects.

Account No. 100002365
09 19 4021 5777 C0021

09 19 4021 5777 C0318
09 19 4027 5777 C0425
09 18 4027 5777 C0440
09 18 4021 5777 C0021
09 20 4021 5777 C0021
09 13 4062 5777 C0361
09 14 4062 5777 C0361
09 15 4062 5777 C0361
09 17 4062 5777 C0361
09 18 4062 5777 C0361
09 19 4062 5777 C0361
09 15 4027 5777 C0440
09 17 4027 5777 C0440
09 13 4027 5777 C0425
09 16 4027 5777 C0425
09 13 4031 5777 C0514

- 5a. Authorize the Mayor, Harry W. Rilling, to execute an Agreement with Deering Construction, Inc. for Project PM2019-1 Pavement Management Program for a sum not to exceed \$4,538,688.50.
- 5b. Authorize the Director of Public Works, to execute orders on the Contract with Deering Construction, Inc. for Project PM2019-1 Pavement Management Program for a sum not to exceed \$453,868.85.

Account No. 09 18 4021 5777 C0021
Account No. 09 19 4021 5777 C0021
09 19 4027 5777 C0302
09 18 4021 5777 C0503
09 17 4021 5777 C0515
09 19 6030 5777 C0472
09 19 6310 5777 C0186
09 19 6310 5777 C0092
09 19 6310 5777 C0132
09 12 4021 5777 C0504
09 16 4021 5777 C0232
03 00 00 2602
01 41 50 5298

Information / Discussion

- A. Discussion
1. Status of the Conservation Permitting and Dredging for flooded areas.
 2. Current DOT and Municipal Projects
 3. Construction Inspection Short and Long Term Plan
 4. Comparison of FY2018/2019 versus FY2019/2020 Operating Budget

B. Customer Service Report February 2019

C. Monthly Solid Waste Report – January 2019

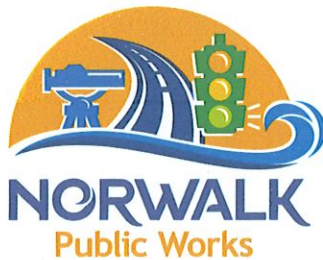
Upcoming Projects

Next Meeting:

Tuesday, April 2, 2019

Public Works Committee Meeting

7:00 P.M. Room 225, Norwalk City Hall



CITY OF NORWALK
Norwalk City Hall
125 East Avenue, PO Box 5125
Room 225
Norwalk, CT 06856-5125
P: 203-854-7791 / F: 203-857-0143

**CITY OF NORWALK
PUBLIC WORKS COMMITTEE
February 5, 2019**

ATTENDANCE: John Ignéri, Chairman; Thomas Livingston; Doug Hempstead; George Tsiranides; Eloisa Melendez; Darlene Young

STAFF: Lisa Burns, Acting Director of Public Works; Paul Sotnik, Acting Assistant Principal Engineer; Ralph Kolb, WPCA

OTHERS: Jody Proct, Diane Lauricella, Tony Farina

The meeting was called to order at 6:56 p.m. A quorum was present.

PUBLIC INPUT

Mr. Ignéri welcomed everyone and went over the public input item on the agenda. He asked if there was anyone present that wanted to speak.

Ms. Jody Proct of 1 Naramake Avenue, off of Woodward Avenue, stated that within the last year they have had an excessive amount of flooding and not from the Sound, but from Woodward Avenue. She said that she understands that there has been a lot of rain, but a car cannot drive down the street because the water from Woodward Avenue was up to her house and she lives on the other end. She has spoken to neighbors that have lived there for over 20 years and they have never seen it flood like that from that direction. She said that she is thinking that maybe it is a sewer or a drainage problem and was hoping that DPW could look into the problem. She said that it is the entire area that is flooded and it is hard to see where the road ends and the curbs are hard to see as well. She said it just fills up like a lake and she is unsure if it is salt water or rain water that is coming up. Ms. Proct said that during the Nor'easter in October, the water from Woodward was coming up the street faster than it was coming from the Sound and she had to wait it out because she couldn't drive her car out of it.

Mr. Ignéri stated that the Committee will take what is said under advisement.

Ms. Diane Lauricella stated that she would like to give her input on some of the agenda items. She stated that she is still reviewing the operating and capital budget requests and wanted the Committee to consider the possibility and need to electrify the City's fleet management. She said that other cities and towns are doing such and since the capital budget is a five year outlook, she

would like to see a little more effort. Ms. Lauricella said that she had spoken with Mr. Alvord and he seemed dismissive to the idea. She said she asked about the trucks and having them run on energy sources other than fossil fuel. She spoke about solar panels for fuel and/or energy. She said she would like to have a conversation with Mr. Livingston. She said she was thrilled to see that Stormwater Management was on the capital budget and infrastructure will be something that is integrated within the next five years and she hopes to send everyone a packet on some of the measures that can be used. Ms. Lauricella said that in regards to the operating budget, she has asked before that the public be included in some kind of discussion on what they are looking for in a chief. She said that it is a very public position so the public should be a part of it since it is a very large part of the operating budget. She said she met with the Mayor and Ms. Burns and others on optimizing trash reduction and increasing recycling and possibly using options other towns are currently using. She said she was recently appointed to the Recycle CT and they have major grants making processes that would allow for towns like Norwalk to apply, which she would recuse herself should Norwalk apply. She said she thinks that the recycling rate is flat and it is not dead. She said they need to look at their waste streams and see how they can reduce them, reuse things and encourage through education. Ms. Lauricella said that she has followed trucks and has seen the trucks with these arms that dump the recycling and they are not able to see the plastic bag filled with garbage. She said she believes there is a lot more contamination than she is being told and she feels they will never really know due to the type of contract the City has with City Carting. She said the time has come to reduce the contamination in the recycling program, educate the public to reduce the trash and increase recycling.

Mr. Igneri thanked the speakers and closed the public input at 7:05p.m. He then opened the Public Hearing.

PUBLIC HEARING

PUBLIC HEARING TO HEAR THE FREEHOLDER'S REPORT AND ANY PUBLIC COMMENT ON SAID REPORT FOR THE ABANDONMENT/DISCONTINUANCE OF A PORTION OF STEVENS STREET BEGINNING AT THE EASTERLY BOUNDARY OF THE CITY PROPERTY LOCATED AT 340 WEST AVENUE (TAX LOT 1-8-15-0) AND HEADING WEST TO THE WESTERLY BOUNDARY OF THE CITY PROPERTY LOCATED AT 350 WEST AVENUE (TAX LOT 1-8-39-0) AS DEPICTED ON A MAP PREPARED BY RYAN AND FAULDS LAND SURVEYORS, A REDNISS & MEAD COMPANY ENTITLED "PROPERTY SURVEY ABANDONMENT MAP OF A PORTION OF STEVENS STREET, NORWALK, CONNECTICUT," DATED OCTOBER 4, 2018, AT A SCALE OF 1" = 20' ON FILE IN THE DEPARTMENT OF PUBLIC WORKS INDICATING SAID PORTION OF STEVENS STREET TO BE ABANDONED AND INCORPORATED INTO THE EXISTING CITY PROPERTIES LOCATED AT 340 WEST AVENUE AND 350 WEST AVENUE. THE PUBLIC HEARING SHALL BE CONDUCTED IN ORDER TO HEAR ALL PARTIES INTERESTED IN COMMENTING ON THE ACCEPTANCE OF SUCH REPORT, DETERMINE IF THE FREEHOLDER'S REPORT IS IN THE BEST INTERESTS OF THE CITY AND TO TAKE SUCH ACTION ON SAID REPORT THAT THE COMMITTEE MAY DEEM ADVISABLE. THE PUBLIC HEARING IS SCHEDULED FOR TUESDAY, FEBRUARY 5, 2019 AT 7:00 P.M. IN ROOM 225, 2ND FLOOR IN NORWALK CITY HALL, 125 EAST AVENUE, NORWALK, CT.

Mr. Sotnik reported on this item by reading the item in its entirety at the request of Mr. Igneri.

Mr. Igneri asked if there were any comments about the Public Hearing which there were not. He then asked Mr. Sotnik to explain the Freeholder's recommendation.

Mr. Sotnik read the recommendation to the Committee.

Mr. Igneri called the public hearing to a close at approximately 7:16p.m. and officially opened the agenda with New Business.

NEW BUSINESS

1. APPROVE THE MINUTES OF THE PUBLIC WORKS COMMITTEE MEETING OF TUESDAY, JANUARY 7, 2019.

There was no discussion on this item.

****MS. MELENDEZ MOVED THE ITEM**

****MOTION PASSED UNANIMOUSLY**

- 2. AUTHORIZE THE MAYOR, HARRY W. RILLING TO EXECUTE ANY AND ALL DOCUMENTS BETWEEN THE FEDERAL EMERGENCY MANAGEMENT AGENCY ("FEMA") AND THE NORWALK WATER POLLUTION CONTROL AUTHORITY ("WPCA") IN CONNECTION A FEMA GRANT APPLICATION TITLED "CITY OF NORWALK FIVE MILE RIVER PUMP STATION UPGRADE-PDM2018". THIS GRANT IS FOR PROJECT COSTS OF 75% (\$135,000.00) FEMA FUNDS AND 25% (\$45,000.00) WPCA FUNDS.**
- 3. AUTHORIZE THE MAYOR, HARRY W. RILLING TO EXECUTE ANY AND ALL DOCUMENTS BETWEEN THE FEDERAL EMERGENCY MANAGEMENT AGENCY ("FEMA") AND THE NORWALK WATER POLLUTION CONTROL AUTHORITY ("WPCA") IN CONNECTION A FEMA GRANT APPLICATION TITLED "CITY OF NORWALK FIVE MILE RIVER PUMP STATION UPGRADE-FMA2018". THIS GRANT IS FOR PROJECT COSTS OF 75% (\$135,000.00) FEMA FUNDS AND 25% (\$45,000.00) WPCA FUNDS.**
- 4. AUTHORIZE THE MAYOR, HARRY W. RILLING TO EXECUTE ANY AND ALL DOCUMENTS BETWEEN THE FEDERAL EMERGENCY MANAGEMENT AGENCY ("FEMA") AND THE NORWALK WATER POLLUTION CONTROL AUTHORITY ("WPCA") IN CONNECTION A FEMA GRANT APPLICATION TITLED "CITY OF NORWALK KEELER BROOK PUMP STATION UPGRADE-PDM2018". THIS GRANT IS FOR PROJECT COSTS OF 75% (\$2,250,000.00) FEMA FUNDS AND 25% (\$750,000.00) WPCA FUNDS.**
- 5. AUTHORIZE THE MAYOR, HARRY W. RILLING TO EXECUTE ANY AND ALL DOCUMENTS BETWEEN THE FEDERAL EMERGENCY MANAGEMENT AGENCY ("FEMA") AND THE NORWALK WATER POLLUTION CONTROL AUTHORITY**

(“WPCA”) IN CONNECTION A FEMA GRANT APPLICATION TITLED “CITY OF NORWALK KEELER BROOK PUMP STATION UPGRADE-FMA2018”. THIS GRANT IS FOR PROJECT COSTS OF 75% (\$2,250,000.00) FEMA FUNDS AND 25% (\$750,000.00) WPCA FUNDS.

Mr. Igneri reported on these items. He stated that items 2, 3, 4 and 5 will be discussed together. Mr. Igneri then gave the floor to Mr. Kolb.

Mr. Kolb explained the items. He stated that the WPCA is applying for two (2) grants, the Five Mile Pump Station and the Keeler Brook Pump Station.

Mr. Hempstead asked if the letter regarding the grants stated that there was only 2.4 million available overall.

Mr. Kolb explained that the letter is saying it is a \$5 million project for both. He said they could apply for \$3 million for Keeler Brook and at 75% that would get them \$2.25 million and \$180,000 for Five Mile at 75% would get them \$135,000 so the total grant that WPCA could receive is about \$2.4 million. He said so instead of WPCA paying out \$5 million, they could potentially gain \$2.4 million in grant funds from FEMA.

Mr. Livingston asked if this is something that needs to be done with or without the grant.

Mr. Kolb responded yes. He said that Keeler Brook is scheduled for rehabilitation. He said it is in a flood zone or flood way which means they can't have anything electrical above grade so they are going to move the station so it is outside of the flood way, it would still be in the 100 year flood location but they could build all electrical above ground and that way if they do have a 100 year flood the pump station would still be able to operate in flood conditions.

Mr. Livingston asked about the timing in regards to the work they want done through the grant.

Mr. Kolb said they are in the preliminary design phase right now. He said they just completed a survey on Keeler Brook for the relocation of the pump station. He said that Five Mile is just a rehabilitation of the station and as soon as they get the grant they are looking to add mitigation, flood gates and hatches so if the area floods the station will still operate.

Ms. Young asked what would happen if they did not get the grant.

Mr. Kolb said they would still move along with the pump station project. He said they have \$2.3 million in pump station capital for WPCA and requested \$2.7 million this year which has already gone through the planning process.

Ms. Burns stated that normally these WPCA items would flow directly through their board but because of the FEMA grant, Corporation Counsel thought it was more appropriate for the Mayor to sign the grant applications than for the Chairman of the WPCA.

Mr. Hempstead asked if each one of those items are a \$2.5 million grant and is that a total of \$5 million.

Mr. Kolb answered no \$2.4 million is the total.

Mr. Hempstead said that it reads that each one is \$2.4 million in grants.

Mr. Kolb said that there are two (2) different grants that they applied for at each pump station. He said that there is not going to be any more than \$2.4 million combined.

Mr. Hempstead said he is more confused because one (1) says \$2.5 million and the other says \$2.5 million.

Mr. Kolb responded correct.

Mr. Hempstead then asked if that is a \$5 million grant together.

Mr. Kolb responded no. He said the two (2) grants together will not exceed \$2.4 million.

Mr. Igneri said that there are a number of other pump stations that need to be upgraded, is there a plan for those.

Mr. Kolb responded yes. He said they completed a capital improvement study with their consultant and learned about Keeler Brook. He said they have made improvements to the Marvin Beach Pump Station. He said they are working on punch list items right now. Mr. Kolb said they are currently making improvements at the Westport Pump Station and Fort Point Pump Station. He said they are just following their recommended capital programs and there are a total of 22 wastewater and three (3) stormwater pump stations.

****MR. LIVINGSTON MOVED ITEMS 2, 3, 4, AND 5**

****MOTION PASSED UNANIMOUSLY**

- 6. APPROVE THE ABANDONMENT/DISCONTINUANCE OF A PORTION OF STEVENS STREET BEGINNING AT THE EASTERLY BOUNDARY OF THE CITY PROPERTY LOCATED AT 340 WEST AVENUE (TAX LOT 1-8-15-0) AND HEADING WEST TO THE WESTERLY BOUNDARY OF THE CITY PROPERTY LOCATED AT 350 WEST AVENUE (TAX LOT 1-8-39-0) AS DEPICTED ON A MAP PREPARED BY RYAN AND FAULDS LAND SURVEYORS, A REDNISS & MEAD COMPANY ENTITLED "PROPERTY SURVEY ABANDONMENT MAP OF A PORTION OF STEVENS STREET, NORWALK, CONNECTICUT," DATED OCTOBER 4, 2018, AT A SCALE OF 1" = 20' ON FILE IN THE DEPARTMENT OF PUBLIC WORKS INDICATING SAID PORTION OF STEVENS STREET TO BE ABANDONED AND INCORPORATED INTO THE EXISTING CITY PROPERTIES LOCATED AT 340 WEST AVENUE AND 350 WEST AVENUE SUBJECT TO AN EASEMENT FOR THE EXISTING NORWALK RIVER VALLEY MULTI-PURPOSE TRAIL.**

Mr. Sotnik reported on this. He read the item and there were no questions or comments.

****MR. TSIRANIDES MOVED THE ITEM**

****MOTION PASSED UNANIMOUSLY**

7. **AUTHORIZE THE MAYOR, HARRY W. RILLING, TO EXECUTE ANY AND ALL NECESSARY OR DESIRED DOCUMENTS IN CONNECTION WITH THE FINALIZATION OF THE DISCONTINUANCE AND RELEASE OF THE CITY'S INTERESTS IN THE DISCONTINUED ROADWAY, INCLUDING A GENERAL RELEASE TO RELEASE ANY INTERESTS THAT THE CITY MAY HAVE IN THE PROPERTY COMPRISING THE ABANDONED PORTION OF STEVENS STREET BEGINNING AT THE EASTERLY BOUNDARY OF THE CITY PROPERTY LOCATED AT 340 WEST AVENUE (TAX LOT 1-8-15-0) AND HEADING WEST TO THE WESTERLY BOUNDARY OF THE CITY PROPERTY LOCATED AT 350 WEST AVENUE (TAX LOT 1-8-39-0) AS DEPICTED ON A MAP PREPARED BY RYAN AND FAULDS LAND SURVEYORS, A REDNISS & MEAD COMPANY ENTITLED "PROPERTY SURVEY ABANDONMENT MAP OF A PORTION OF STEVENS STREET, NORWALK, CONNECTICUT," DATED OCTOBER 4, 2018, AT A SCALE OF 1" = 20' ON FILE IN THE DEPARTMENT OF PUBLIC WORKS INDICATING SAID PORTION OF STEVENS STREET TO BE ABANDONED AND INCORPORATED INTO THE EXISTING CITY PROPERTIES LOCATED AT 340 WEST AVENUE AND 350 WEST AVENUE SUBJECT TO AN EASEMENT FOR THE EXISTING NORWALK RIVER VALLEY MULTI-PURPOSE TRAIL.**

Mr. Sotnik reported on this. He read the item and there were no questions or comments.

****MR. TSIRANIDES MOVED THE ITEM
MOTION PASSED UNANIMOUSLY

INFORMATION / DISCUSSION

A. Discussion

1. FY 2019/2020 Operating & Capital Budget Request

Ms. Burns reported on this item. She gave a brief overview of the budget request. She said that there was a planning meeting last week regarding the budgets. The Finance Department's recommendation is out and is currently online. The Operating Budget has been reduced due to the reorganization and positions were moved. The overall operating budget is much smaller than previous years.

Mr. Hempstead asked if there was a line item in the budget to get rid of leaves.

Ms. Burns said that it is not just one line, they have contracts to get rid of the leaves, Christmas trees, construction and demolition debris, dredging and catch basins cleaning and the leaves are composted and brought to Easton. She asked Mr. Hempstead if he wanted to know the volume or just the costs and she will provide him with that information.

Ms. Young asked how much was the operating budget reduced.

Ms. Burns said that last year's request was \$14,931,000 and this year it is \$14,917,000 but if you look line by line you would be able to see the differences. She said they have had a Junior Engineer position vacant since last July and have made four (4) offers, but

have not been able to get a candidate because it has been a difficult for the salary. She said they have offered at the mid-point salary range but to no avail. Applicants that have applied don't meet the qualifications because the job market is very competitive right now and the geography. She said they hired Rob last year from Tighe & Bond and may need to hire another inspector for this season. There are a lot of City projects going on, and in addition there are State projects as well. There are a bunch of projects that are out to bid right now. She said they need to bring in someone since they are down one (1) Junior Engineer. She began to discuss the Capital Budget. She said the 5 year Capital Budget Request is \$76,800,000 which is consistent with previous years. She said everything is a priority. The Capital Budget was developed based on their professional recommendation of what a City of 90,000 people need at a minimum to invest in its infrastructure. Finance recommended 9.7 million.

Mr. Livingston asked if the budget was reduced by 8 million.

Ms. Burns responded yes and it is consistent with last year when they requested about the same amount of funds and the Council approved \$8,900,000. She said that the budget director worked with them on the budget.

Mr. Tsiranides asked if Ms. Burns was comfortable with the projects that will be picked and those that would not be picked this year.

Ms. Burns replied that they hired Freeman, the engineering firm to do the bridge inspections, \$250,000 for the bridge inspections, but they do not know what the cost would be to repair those bridges. Based upon the results of the inspections.

Mr. Livingston asked about street light conversion spans.

Ms. Burns said that they asked for it to be phased.

Mr. Livingston asked what the payback is for that.

Mr. Sotnik said about two (2) to three (3) years, but conservatively it maybe four (4) years, no more than five (5).

Mr. Igneri said they have been talking about doing that for a while and asked if they are at a point where they could move forward.

Ms. Burns responded yes. She said they made a request for \$1.7 million but after submitting the request they were asked if they could smooth it out and phase it over a longer period of time. Mr. Sotnik received a proposal from the company.

Mr. Sotnik interjected that the proposal was for the design work and it maybe \$75,000.

Mr. Livingston asked if they are replacing the heads.

Mr. Sotnik responded yes. He said they will get the design phase completed and pick out the fixtures, receive a more detailed audit then go back and negotiate with Eversource and then begin the construction phase and change them out.

Mr. Livingston asked if Eversource offers a rebate.

Mr. Sotnik responded yes they are and there are talks now about what those could be, because it varies. He said the only way to guarantee the rebate is to do it now because it can change depending upon available funds.

Ms. Young said that \$9.7 million is half of what was requested then asked how would you prioritize on what gets funded.

Mr. Hempstead responded by taking \$1 million out of the paving program.

The Committee began to discuss a project on the intersection of Glover Avenue and Grist Mill. The Bonding Commission authorized a \$7 million bond toward the project. It is still very conceptual and the Department of Transportation has done the preliminary design work.

Mr. Igneri asked if the project is still very conceptual, will they be spending \$1 million in this budget.

Ms. Burns answered that it is a topic of discussion that they are going to have with the Department of Transportation this week. Ms. Burns began to go through the requested budget with the Committee. She stated that it is available online.

Mr. Livingston asked what they are dredging.

Ms. Burns said that they are required to dredge the big outlet pipes at Total Marine and Norwest Marine as requested. She began to discuss the process at Total Marine. She said that it is an obligation the City has. She said it does not reduce the flooding on Water Street which is a separate issue. Ms. Burns went on the next subject of ROW (Right of Way). She stated that ROW needs a policy because every fiber and utility company wants to be on the streets which currently has sanitary, sewer, gas, phone, cable and now even more than that. The City does not want to clog up the ROW with all of those utilities. She said that although Companies may feel they have a right to be in the ROW, they do not without permission and permits from DPW.

Mr. Hempstead asked if there was a policy already out there in regards to this, DOT must have something.

Ms. Burns replied that they could not locate a policy on ROW because they are a municipality and the regulations are different from DOT's.

Mr. Igneri inquired about a project that Eversource has going on at the bus depot (school buses).

Ms. Burns said that Eversource has a vault in that location and they need to have access for maintenance. The City requested police presence because the buses were parked on top of the vault. Eversource has an easement on that property so when they access the easement, the buses had to be moved. Eversource secured a space across the street and the police assisted the drivers with crossing the street.

Ms. Young asked if the \$9.7 million is the total amount for the budget.

Ms. Burns explained that the total bonding has been set for the City so it's working within this budget and the only way to increase Public Works bucket is to take from another department's bucket.

Mr. Igneri stated that this year's budget increased almost a million and asked if that helped.

Ms. Burns replied yes. She said that they are having to do a lot of special capital appropriations. She began to explain the watercourse maintenance stating it is for the flooding issue and they didn't ask for funding because they already have approximately \$2 million due to the special capital appropriation. She said that stormwater management is the MS4 Program which is the municipal separated storm system, a permit program which is not for flooding. She said that this is to comply with requirements for the stormwater management program. An analysis was completed by Environmental Partners. Next year, a request will be made for \$1 million for watercourse maintenance.

2. Recycling and Automated Garbage Collection

Mr. Tony Farina of City Carting gave an overview of recycling and automated garbage collection. He stated that he has been in discussions with Mr. Chimento and Mr. Torre for the past year on upgrading the solid waste collection and enhancing the recycling program. He said from a solid waste standpoint going to automated collection which is similar to what they do for Norwalk, put out wheel carts for all residents in the taxing district which increases the appearance, so it's all uniform and manages solid waste generation. He continued saying if you give a home owner a cart they may try to put all of their waste into one (1) cart thus reducing waste. He said if a home owner needs a second cart, there is an opportunity to enhance and increase fees. Mr. Farina said that City Carting would invest in a truck, one arm collection trucks and to decide who would purchase the carts for the residents, City Carting or the City.

Mr. Farina said the second piece is to enhance the recycling program. He said that the recycling market has changed drastically over the last 12 to 18 months. Recycling collection is changing. He said that single stream has been a common practice over the last 10 to 15 years and now towns are going back to dual stream which means fiber collection on one (1) day and other things on a different day. He said that towns were also looking to eliminate certain products from the recycling program such as certain types of plastics which are difficult to get rid of, for example plastic bags. Towns are also reducing and eliminating glass and trying to enhance bottle bills or the product generators to take the bottles back. He said they began several conversations then the

Director retired so he is trying to pick those conversations back up with Mr. Torre and Ms. Burns and the new team. He said they have a lot of suggestions to offer and this is a general discussion about some of the things that were discussed in the past. He said those conversations would entail capital investments and changing the recycling program. He said better education is true. To enhance a recycling program is to reduce, reuse and recycle. Residents have the reuse component and the collectors have the recycle component and then you move forward to the producers/packaging companies to come out with a reduction in the amount of product that they generate so consumers could buy less which means the consumers reuse less and they recycle less.

Ms. Burns asked about the wheeled carts and the issue Norwalk has with residents putting plastic bags in them although the ordinance doesn't allow for that, what would be some of the benefits of wheeled carts.

Mr. Farina said that some of the benefits are they would all be uniformed, minimize and manage how much garbage is put out there.

Mr. Livingston asked how big they are now.

Mr. Farina answered they are 64 gallon and they seem to be working well from a recycling standpoint. He said if they decided to go with the dual program, it would be every other week with two (2) carts for recycling, either two (2) 32 gallon or two (2) 64 gallon and one week will be all fiber and one week the other things and would be wheeled out every other week.

Mr. Livingston asked what he means by fiber.

Mr. Farina answered fiber meaning newspapers, junk mail, card board boxes and cereal boxes. He said single stream was great for increasing recycling generation, but it caused contamination because people do not clean out the containers as well as they should so it causes contamination on the fiber which degrades the fiber. He said that was coupled with the overseas market where most of their material goes, increasing their quality standards so they went from a 5% contamination rate down to a 0.5% contamination rate. He said that China has made drastic changes going from a GDP economic generated philosophy to a quality of life. China is trying to clean up their environment so they are reducing the amount of product coming in.

Mr. Livingston said that part of this is education and asked if City Carting educates the public.

Mr. Farina said that Ms. Lauricella made a good point about the automation on recycling component because you don't have a chance to look in the bin. He said they support education and the State of Connecticut provides some guidance and direction on education. He said it is a long term process. They went from three (3) bins of product to just one (1) bin where everyone just comingles. He said that people ignore rules and regulations and put as much as they can into the big bins. It's a process of education and it will take a while, but it can be done.

Mr. Livingston asked about composting.

Mr. Farina replied that they do a little composting, but the challenge is that there is not a lot of outlets for that material, but it is great that it is separated. He said that they have a small contract with a company that does a very good job of composting, but once again it is an education process.

Mr. Tsiranides asked if there is a bigger market for clean products.

Mr. Farina said they are finding that they are getting better product when they go back to dual stream to start with because newspaper and junk mail is coming in clean. He said they have one of the state of the art facilities in the Northeast over in Stamford which is a \$15 million facility, which gives them a better ability to clean the materials that comes through dual stream than single stream so when the fiber goes up the line by itself, they could pick it out better and the screens and optical sensors do a better job when it is only fiber and additionally, when the set up comingles, the same thing happens. It is easier for the system to clean it up.

Ms. Burns said that the current contract for recycling and solid waste ends in 2023. She said that the carts are not in the budget this year. She asked Mr. Farina how long he thinks it would take to get a program in place and should it be in the budget before the contract ends.

Mr. Farina suggested doing it before the contract expires. He said that it would take probably 120 days to ramp up with equipment, trucks and carts.

Mr. Livingston said he assumes they are losing money on the contract.

Mr. Farina responded that they break even on the trash collection/solid waste and they are losing on the recycling so that needs to be adjusted.

Mr. Hempstead asked for an explanation on plastic bags and their collection process. He asked about water bottles that are plastic and when you buy them, they are sealed in plastic, do you put that plastic in with the recyclables.

Mr. Farina responded that plastic is difficult to collect, difficult to run through the lines and there is no product for that film. He said they call that film and there is not a big market for that.

Mr. Hempstead asked so should that be garbage.

Mr. Farina said that a lot of towns and the State of Connecticut are banning plastic bags.

Mr. Hempstead said so the plastic bags are a market issue because there are products made out of plastic bags.

Mr. Farina said for example, glass is recycled, but it costs them money to collect and process it. He said they invested about ½ million on a glass cleaning system so when the glass comes out it is actually a lot cleaner then it was a year ago and it still cost \$34/ton to get it recycled. So it is costing approximately \$100/ton to recycle glass. He said that there are towns that are banning glass.

Mr. Livingston asked what he sees as the next biggest problem.

Mr. Farina answered that most towns are going to go with dual stream programs instead of single stream. He said that most people are taking a proactive approach and getting rid of plastic bags. He said he met with Senator Duff who had a lot of the similar questions and told him that they have to start with the producers because he is putting the onus on the consumer and the collectors and making them handle all the problems when it is really the producers problem. He said there was a meeting in New York and there was serious talk about reusing wine bottles and getting the wine bottlers to take their product back and reuse them. Mr. Farina said that there would be a cost associated with that. He continued that paper, cardboard boxes, certain plastics are very recyclable, but glass is difficult to get rid of and there is not enough demand for that material.

Mr. Livingston asked about Styrofoam.

Mr. Farina said that Styrofoam is not recyclable.

Mr. Hempstead asked if milk cartons were still ok.

Mr. Farina said aseptic milk cartons have a small market for them and they do process them. He said that it is better to get milk jugs.

Mr. Tsiranides asked if any of the neighboring cities switched over.

Mr. Farina said not in Connecticut. He said they have been working to change the way they collect. He said they need to go back to the consumers to start with, and then get with the producers and reduce what comes out.

Ms. Melendez asked why dual stream wasn't suggested for Norwalk.

Mr. Farina said that it probably was dual at one time.

Ms. Burns responded that it was more advantageous at that point to go with single stream, it was a different market then.

Mr. Farina said that single stream began in the early 90's because it was simpler and increased the volume of recyclables. He said they are finding out that the market changed and the products they are getting are not just recyclable products, it is also garbage so that is why the volume is so much.

Ms. Burns stated that in the contract, they get paid \$17.50/ton for recyclables and now the tip fee is \$80 or \$90 per ton. She said at the transfer station they charge \$86/ton but by 2023 the contract will go up and they will be paying \$97/ton.

Mr. Livingston asked what Stamford is paying.

Mr. Farina answered \$65/ton and a small revenue share as well.

Mr. Hempstead asked what can and cannot be recycled and are there other items that could possibly make money.

Mr. Farina said keys and pots and pans are not recyclable.

The Committee began to discuss all the things they can and cannot recycle. They discussed a metal program and how it works, compostable and curbside pickup. Education seemed to be the theme of recycling beginning with the schools and possibly at City Hall. They talked about glass and ridged plastics such as paint barrels being things that should not be in the recycling program.

Mr. Igneri thanked Mr. Farina for his time and presentation and stated they would like to have more conversations.

Mr. Farina stated that he spoke with the former director about an education program at the transfer station.

Mr. Igneri said there would be smaller meetings about this in the future.

Ms. Burns said there were discussions with the Mayor's Office and Diane Lauricella about creating a steering committee to discuss these issues.

B. CUSTOMER SERVICE REPORT JANUARY 2019

There was no discussion on this item.

C. MONTHLY SOLID WASTE REPORT – DECEMBER 2018

1. FOURTH QUARTER 2018 REPORT

There was no discussion on this item.

UPCOMING PROJECTS

Next Meeting: Tuesday, March 5, 2019
Public Works Committee Meeting
7:00 P.M. Room 225, Norwalk City Hall

****MR. LIVINGSTON MOVED TO ADJOURN**
****MOTION PASSED UNANIMOUSLY**

There was no further business and the meeting was unanimously adjourned at 8:16 p.m.

Respectfully submitted,

Monique Cipriano
Executive Assistant
Public Works Department



CITY OF NORWALK
Wilber Giron, E.I.T.

Junior Engineer
wgiron@norwalkct.org

P: 203-854-7801 / F: 203-857-0143

Norwalk City Hall
125 East Avenue, P.O. Box 5125
Norwalk, CT 06856-5125

MEMORANDUM

TO: Lisa Burns, P.E. – Principal Engineer

FROM: Wilber Giron, E.I.T. – Junior Engineer

CC: Drew Berndlmaier, P.E. – Senior Engineer
Paul Sotnik, P.E. – Senior Engineer
Mario Pizighelli, E.I.T. – Junior Engineer

RE: Pavement Management and Consulting Services

DATE: February 27, 2019

The City of Norwalk received two (2) Qualification Statement packages from consulting firms for the above referenced project. Following a review of the submissions, the City's Consultant Selection Panel consisting of Drew Berndlmaier, P.E., Paul Sotnik, P.E., Mario Pizighelli, E.I.T., and myself. The Panel conducted the interviews on February 22, 2019. Based upon the results of those interviews, the panel has recommended that VHB be offered a contract for Pavement Management and Consulting Services for the Project. Scope of services have been negotiated with them in which they will be compensated for work performed based on their proposed fee, for a sum not to exceed \$250,000.00.

Therefore, I would like to request that the following item be included on the agenda for the March 5, 2019 meeting of the Public Works Committee of the Common Council for approval.

- 1.) Authorize the Mayor, Harry W. Rilling, to execute an Agreement between the City of Norwalk and Vanasse Hangen Brustin, Inc. (VHB), for pavement engineering and consulting services in connection with the Pavement Management Program. The Agreement is to establish a three (3) year base period, with two (2) one-year options and an annual sum not to exceed \$250,000.00

Account No. 09 19 40210 5777 C0021

If you have any questions, please do not hesitate to contact me.

2

Scope and Fee Proposal

In response to your request for a fee proposal, VHB will provide pavement inspection, plant and field quality assurance, street evaluation and design services for a one (1) year period. The proposed fees will remain constant for the term beginning April 1, 2019. Fees (unless otherwise noted) include all overtime, holiday, travel time, mileage, testing, laboratory, equipment rental, postage, phone and miscellaneous direct expenses. For Norwalk's anticipated annual construction program, we offer the following annual fee schedule.

Task 1 - Roadway Quality Assurance:

- 1) Plant quality assurance testing.
Estimate is based on estimated the City's 2019 4R plus lump sum add alternatives
Estimate - 25,000 tons x \$1.85/ton = \$ 46,250.00
Estimate - 5,000 tons x \$3.50*/ton (*days with under 200tons produced) = \$ 17,500.00
- 2) Pavement density determination by coring, per street (test strip of each pavement type, plus any streets that result in a penalty).
Estimate - 5 streets x \$1150.00/street = \$ 5,750.00
- 3) Field paving inspection and monitoring will be provided daily.
Estimate - 25,000 tons x \$1.95/ton = \$ 48,750.00
Estimate - 5,000 tons x \$3.75*/ton (*days with under 200 tons produced) = \$ 18,750.00

Task 2 - City Street Evaluations:

- 1) Pavement engineering specialist services to evaluate, develop most probable cause of deficiencies for selected local and arterial/collector roadways, offer pavement cross-sections and two (2) rehabilitation alternatives according to the AASHTO 1993 design manual, based on City provided ADT.
Estimate - 15,840 feet x \$2.55/foot = \$ 40,392.00
- 2) For short (less than 400 feet) and dead end local streets slated for base rehabilitation, by the City's pavement management program, may be evaluated for "interim repair solutions" by profile coring. A series of profile cores will be removed from the gutter-lines, center of each lane and roadway centerline to determine hot mix asphalt (HMA) thickness for "interim" milling/overlay.
Estimate - 20 street sections x \$450/section = \$ 9,000.00

Task 3 - Infrastructure Asset Management/GIS Services:

- 1) Administration and Support of the Pavement Management System (PMS) - VHB will provide up to 40 hours of support to assist in the administration, management and maintenance of the City's PMS. These services will include data entry of construction and resurfacing information that will take place under the City's 2019 4R Program, data verification of current and previously entered pavement condition data, updates to the PMS system configuration, and making edits to pavement segmentation and GIS linework at the City's request.

Under this task, VHB will also provide technical support services related to the City's RoadManagerGPMS™ software. Support topics may include installation and troubleshooting, integration of the PMS with other City systems, as well as assistance with the usage of all features of the program. These services may be provided via phone, email, or on-site visits. This task will include an annual work session at the City's offices to update the City's Master Paving Spreadsheet.

Estimate - Administration = \$ 6,200.00
(Plus \$750 Direct Expenses) \$ 750.00

- 2) Partial Network Pavement Condition Data Resurvey - VHB will update 25% of the pavement surface condition ratings from the City's 266 miles using the RoadManager rating methodology by a visual walking/driving method. The distress survey will be conducted on those 66 miles of street segments having survey dates prior to 2018 or other requisite condition as requested by the City.

Resurvey Estimate – 66 miles x \$250/mile = \$ 16,500.00

- 3) Budgeting and Reporting - VHB will provide an executive summary report of findings including the current condition status, historic trends in pavement condition, budgeting scenario results and recommendations for the maintenance and rehabilitation of the City's pavement infrastructure.
Estimate – = \$ 6,000.00

Task4 – Consultation and Related Expert Services:

- 1) VHB, when requested, shall furnish services of a qualified consultant staff professional specialist to provide engineering studies, make public presentations, design & monitor HMA pavements, develop HMA materials and specifications, Superpave design & testing, liquid binder quality, budget projections and possibly update the City's utility street cut ordinance, rules and regulations (as per attached VHB 2019 Testing Services Schedule).
Estimate UPSET LIMIT – Consultation & Related Expert Services = \$ 25,108.00

Summary of Fees for a one (1) year period:

2019 – 2020 Fiscal Year

Task 1 - Roadway Quality Assurance:	\$ 137,000.00
Task 2 - City Street Evaluations:	\$ 49,392.00
Task 3 - Infrastructure Asset Management Services:	\$ 29,450.00
Task 4 – Consultation and Related Expert Services:	<u>\$ 25,108.00</u>
2019 – 2020 Fiscal Year	<u>\$ 240,950.00</u>

We are pleased to offer the above paving and inspection, project level evaluations, roadway system management, computer support and related expert services for an estimated one (1) year fee of \$ 240,950.00.

VHB 2019 Testing and Services Schedule

Laboratory Testing

A. Hot Mix Asphalt (HMA)

1. Aggregates
 - Sieve Analysis (AASHTO T27) \$110.00 Sample (note 5)
 - Washed Sieve Analysis (AASHTO T27 & T11) \$160.00 Sample (note 5)
 - Mechanical Analysis of Extracted Aggregates (T30) \$160.00 Sample (note 5)
 - Unit Weight (ASTM C29) \$45.00 Sample (note 5)
 - Specific Gravity (ASTM C127) \$105.00 Sample (note 5)
 - Specific Gravity (ASTM C128) \$200.00 Sample (note 5)
 - L.A. Abrasion (ASTM C131) \$200.00 Sample (note 5)
 - Soundness (ASTM C88) \$300.00 Sample (note 5)
 - Thin and Elongated Pieces (ASTM D4719) \$75.00 Sample (note 5)
 - Sand Equivalent (ASTM D2419) \$95.00 Sample (note 5)
 - Coarse Aggregate Angularity \$95.00 Sample (note 5)
 - Fine Aggregate Angularity \$100.00 Sample (note 5)
2. Tensile Strength Ratio (ASTM D4867/AASHTO T283)
(Moisture Susceptibility) \$950.00 Mix (note 7)
3. Extraction Test No Additives
(ASTM D2172, C136) \$135.00 Sample (note 5)
4. Extraction Test with Additives \$145.00 Sample (note 5)
5. Bulk Specific Gravity - Dense Graded (ASTM D2726) \$40.00 Sample (note 5)
6. Bulk Specific Gravity - Open Graded
(ASTM D1188, ASTM D6752, AASHTO T331) \$50.00 Sample (note 5)
7. Bulk Specific Gravity - Open Graded
(AASHTO T331M) \$60.00 Sample (note 5)
8. Core Thickness
(ASTM D3549) \$40.00 Sample (note 5)
9. Trimming of Bituminous Cores \$20.00 Sample (note 5)
10. Maximum Theoretical Density
(ASTM D2041) \$120.00 Sample (note 5)
11. Asphalt Recovery (ABSON Method)
(ASTM D1856) \$450.00 Sample (note 5)

B. Liquid Asphalt Testing

1. Asphalt Cement
 - Penetration \$100.00 (note 5)
 - Ductility \$210.00 (note 5)
 - Viscosity (Absolute, Kinematic or Rotational) \$155.00 (note 5)
 - Softening point \$75.00 (note 5)
 - Specific Gravity \$90.00 (note 5)
 - Flash Point \$85.00 (note 5)
 - Complete PG Binder Analysis \$1100.00 (note 2)

- Rolling Thin Film Oven Test	<u>\$120.00</u> (note 5)
- SHRP Dynamic Shear	<u>\$480.00</u> (note 3)
- SHRP Bending Beam	<u>\$400.00</u>
- SHRP Pressure Aging Vessel	<u>\$300.00</u>
2. <u>Emulsified Asphalt</u>	
- Distillation	<u>\$150.00</u> (note 5)
- Demulsibility	<u>\$95.00</u> (note 5)
- Sieve Test (AASHTO T59)	<u>\$85.00</u> (note 5)
- Sand or Stone Coating	<u>\$95.00</u> (note 5)
3. <u>Cutback Asphalt</u>	
- AASHTO M82 (Excluding Flash Point)	<u>\$1750.00</u> (note 5)
C. <u>Soils</u>	
1. Washed Sieve Analysis (AASHTO T27 & T11)	<u>\$160.00</u> Sample (note 5)
2. Atterberg Limits (LL/PI) (ASTM D4318)	<u>\$130.00</u> Sample (note 5)
3. Classifications of Soils (ASTM D2487)	<u>\$45.00</u> Sample (note 5)
4. Proctor Density (ASTM D1557, D698)	<u>\$335.00</u> Sample (note 5)
5. Permeability (Falling Head)	<u>\$160.00</u> Sample (note 5)
D. <u>Portland Cement Concrete</u>	
1. <u>Aggregates</u>	
- Sieve Analysis (AASHTO T27)	<u>\$110.00</u> Sample (note 5)
- Washed Sieve Analysis (AASHTO T27 & T11)	<u>\$160.00</u> Sample (note 5)
- Unit Weight (AASHTO T19)	<u>\$45.00</u> Sample (note 5)
- Specific Gravity (AASHTO T85)	<u>\$105.00</u> Sample (note 5)
- Specific Gravity (AASHTO T84)	<u>\$200.00</u> Sample (note 5)
- L.A. Abrasion (AASHTO T96)	<u>\$200.00</u> Sample (note 5)
- Soundness (AASHTO T104)	<u>\$300.00</u> Sample (note 5)
- Organic Impurities (AASHTO T21)	<u>\$80.00</u> Sample (note 5)
- Clay Lumps and Friable Particles (AASHTO T112)	<u>\$85.00</u> Sample (note 5)
- Lightweight Pieces (AASHTO T22)	<u>\$105.00</u> Sample (note 5)
2. Concrete Test Cylinders (ASTM C31, C39)	
6" x 12"	<u>\$30.00</u> Cyl.
4" x 8"	<u>\$28.00</u> Cyl.
3. Concrete Core Testing (ASTM C42)	
- Preparation and Testing, 2" - 6" diameter	<u>\$75.00</u> Core (note 5)
- Trimming of Cores	<u>\$20.00</u> Sample (note 5)

Field Inspection and Consultation Services

A. Hot Mix Asphalt

1. Specialist's Consulting Services by Principal Professional Engineer \$205.00/hr. (note 6)
2. Specialist's Technical Services by Project Manager/Project Engineer \$155.00/hr. (note 6)
3. Specialist's Testing Services \$88.00/hr. (notes 5, 6 & 8)
4. Compaction Testing Inspector with Density Gauge \$95.00/hr. (notes 5, 6 & 8)
5. Coring Crew, Truck, Generator & Coring Rig (4" - 6" diameter cores) \$850.00/diem (notes 5 & 6)
6. Equipment Expense for Generator & Core Rig \$200.00/day
7. Equipment Expense for Jack Hammer, Hoses & Pump \$325.00/day

B. Asset Management/Software Support Services

1. Specialist's Technical Services by Project Manager/Professional Engineer \$155.00/hr. (note 6)
2. Software Support Programming Services \$150.00/hr. (notes 5 & 6)
3. GIS Data Development Support Services \$95.00/hr. (notes 5 & 6)

C. Soils

1. Experienced Soils Inspector for Control Operations and Field Compaction Density Tests with the Nuclear Gauge. \$95.00/hr. (notes 5 & 6)

D. Concrete

1. Experienced ACI Concrete Field Inspector Cylinder fabrication, air, slump, temp. testing \$88.00/hr. (notes 5, 6 & 8)
2. Experienced Concrete Batch Plant Inspector \$135.00/hr (notes 5, 6 & 8)

E. Sample Transportation

1. For aggregate sampling, transportation of cubes, cylinders beams or other samples. Mileage to be added as direct expense \$85.00/hr. (notes 5 & 6)

F. Labor

1. Professional Registered Engineer \$205.00/hr. (notes 5 & 6)
2. Project Manager \$155.00/hr. (notes 5 & 6)
3. Operations Manager \$115.00/hr. (notes 5 & 6)
4. Contract Administrator \$70.00/hr. (notes 5 & 6)

NOTES:

- 2) includes specific gravity @ 60°/77°, API gravity and smoke point;
- 3) includes test on the original asphalt, after RTFO and after PAV aging;
- 5) Overtime Rates:

Over eight hours per day & night work (6 pm-6 am)	1.5 x Rate
Saturdays, Sundays and Holidays	1.5 x Rate
Same day laboratory services	1.5 x Fee
Next day laboratory services	1.5 x Fee
- 6) Plus \$0.65 per mile calculated using the mileage stated in the Public Utilities Commission "OFFICIAL MILEAGE" booklet.
- 7) When included as part of the mix design development. Additional sample preparation fees will apply to testing for non-VHB developed mix designs or mix designs requiring additional aggregate preparation or changes in aggregate properties.
- 8) For all VHB field services, a project management/engineering review charge will be billed for all reports issued for the scheduling/supervision of field personnel and the evaluation/review of data and reports at the quoted project manager rate times 0.15 times field staff time.



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION



2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546

Phone:

February 13, 2019

The Honorable Harry Rilling
Mayor
City of Norwalk
125 East Avenue
Norwalk, Connecticut 06856

Dear Mayor Rilling:

Subject: **Project Authorization Letter**
Traffic Signal Upgrade – Phase 3
State Project No. 102-347
Federal-Aid Project No. 000R(777)
Master Agreement No. 11.29-02-12
CORE ID No. 13DOT0237AA
City of Norwalk

On May 2, 2013, the State of Connecticut Department of Transportation (DOT) and the City of Norwalk (Municipality) entered into the Master Municipal Agreement for Construction Projects (Master Agreement) noted above. This Project Authorization Letter (PAL) is issued pursuant to the Master Agreement. The capitalized terms used in this PAL are the same as those used in the Master Agreement.

The Municipality is responsible for the Administration of the Construction Project.

The Construction Project consists of traffic signal upgrades at eight (8) intersections in the city of Norwalk. The proposed improvements include installation of new and/or the upgrade of existing traffic control signal equipment, fiber optic communications for signal interconnects, video detection, system integration, emergency pre-emption, and ADA compliant ramps.

Funding for the Construction Project is provided under the Congestion Mitigation and Air Quality Improvement Program (CMAQ) with one hundred percent (100%) Federal funds. Funding is also provided under the Surface Transportation Program – Anywhere (STPA) with eighty percent (80%) Federal and twenty percent (20%) Municipal funds. Payment will be on a reimbursement basis. The maximum reimbursement to the Municipality under this PAL is Two Million Eight Hundred Eight Thousand Four Dollars (\$2,808,004). In addition, any reimbursement for actual expenditures will be in accordance with the terms of the Master Agreement. Costs contained in this PAL shall not be exceeded without first obtaining written permission from the DOT. Enclosed is an estimated engineering cost break down for Construction Project activities. A Demand Deposit in the amount of zero dollars (\$0) is due to the DOT.

The Municipality is responsible for the proper maintenance and operation of all the Municipality's facilities constructed as part of this Construction Project, upon completion of the project, to the satisfaction of the DOT and Federal Highway Administration.

3

This Construction Project has been assigned a DBE goal of nine percent (9%) for construction and a goal of zero percent (0%) for Consultant Inspection Activities. The Municipality shall comply with the requirements pertaining to the goal, as stipulated in the Master Agreement.

The issuance of the PAL itself is not an authorization for the Municipality to begin performing work with respect to the Construction Project. The Municipality may advance or begin work on the Construction Project only after an Authorization to Award Notice has been received from the DOT.

Please indicate your concurrence with the PAL by signing below on or before March 13, 2019 and returning a copy to the Project Manager listed below at the letterhead address. You may submit the Written Acknowledgement of the PAL to the DOT Project Manager in hard copy, or by facsimile, or electronic transmission. The Master Agreement and the PAL will be incorporated into one another in their entirety and contain the legal and binding obligations of the Municipality with respect to the Construction Project.

If you have any questions, please contact the Project Manager, Mr. Nilesh Patel, at (860) 594-3411.

Very truly yours,

 Scott Hill, P.E.
2019.02.13
13:48:46-05'00'

Scott A. Hill, P.E.
Engineering Administrator
Bureau of Engineering and Construction

Enclosures

MUNICIPALITY'S ACKNOWLEDGEMENT OF PAL

Concurred By: _____

The Honorable Harry Rilling
Mayor
City of Norwalk

Date: _____

PAL ENCLOSURE
STATE PROJECT NO. 102-347
FEDERAL PROJECT NO. 000R(777)
ESTIMATED CONSTRUCTION COSTS

PARTICIPATING CMAQ (Federal - 100%)

A. Contract Items and Contingencies	\$ 2,396,884
B. Incidentals to Construction – Municipal Services	\$ 0
C. Total Construction Cost – Municipal (A+B)	\$ 2,396,884
D. Incidentals to Construction – DOT Administrative Oversight	\$ 180,300
E. Incidentals to Construction – DOT Audits & Record Examiners	\$ 4,000
F. Incidentals to Construction – DOT Material Testing	\$ 72,100
G. Total Incidentals to Construction – DOT (D+E+F)	\$ 256,400
H. Utility Work by Others (State's cost share at 50%)	\$ 96,716
I. Total Participating Construction Cost (C+G+H)	\$ 2,750,000

PARTICIPATING STPA (Federal – 80%, Municipal – 20%)

J. Contract Items and Contingencies	\$ 513,900
-------------------------------------	------------

NON -PARTICIPATING (Municipal – 100%)
eligible but over the cap

K. Contract Items and Contingencies	\$ 1,069,716
-------------------------------------	--------------

SUMMARY

L. Total Construction Cost of Project (I+J+K)	\$ 4,333,616
M. Federal Proportionate Share of the Total Construction Cost (100% of I + 80% of J)	\$ 3,161,120
N. Municipal Proportionate Share of the Total Construction Cost (20% of J + 100% of K)	\$ 1,172,496
O. Maximum Amount of Reimbursement to the Municipality (100% of C + 80% of J)	\$ 2,808,004



MEMORANDUM

TO: Elisabeth Burns, P.E. – Acting Co-Director of Public Works

FROM: Drew Berndlmaier, P.E. – Senior Engineer

CC: Vanessa Valadares, P.E. – Acting Assistant Principal Engineer
Paul Sotnik, P.E. – Senior Civil Engineer
Tom Little, EIT – Permit Engineer

REF: Public Works Committee Agenda Item – Inspection Services

DATE: February 28, 2019

I would like to request that the following items be included on the agenda for the March 5, 2019 Public Works Committee meeting.

AUTHORIZATION:

1. Authorize the Mayor, Harry W. Rilling, to execute the fifth Amendment to the June 5, 2017 Contract with Tighe and Bond, Inc., to provide professional engineering services relative to the Norwalk Levee, for an amount not to exceed \$201,100.00, for Construction Observation Services of both the Mall (GGP Escrow) and miscellaneous DPW Capital Projects.

Account Nos. 100002365

09 18 040 4021 5777 C0021
09 19 040 4021 5777 C0021
09 20 040 4021 5777 C0021
09 19 040 4021 5777 C0318
09 13 040 4062 5777 C0361
09 14 040 4062 5777 C0361
09 15 040 4062 5777 C0361
09 17 040 4062 5777 C0361
09 18 040 4062 5777 C0361
09 19 040 4062 5777 C0361
09 15 040 4027 5777 C0440
09 17 040 4027 5777 C0440
09 18 040 4027 5777 C0440
09 13 040 4027 5777 C0425
09 16 040 4027 5777 C0425
09 19 040 4027 5777 C0425
09 13 040 4031 5777 C0514

This is for inspection services at both the Mall (GGP Escrow) and on general DPW Capital Projects.

The Public Works Department is still short a Junior Engineer and Chief position, which has created a work backlog in the Department. It is also currently unknown whether some traffic personnel will be allocated to other work, during some signal/traffic projects.

Because the availability of inspection staff is currently unclear, from April 1, 2019 to June 30, 2019, DPW feels the need to propose a conduit through which field inspection personnel may be supplied. The DPW has one existing contract with Tighe & Bond, for similar services and reasoning, but on the paving contract alone. This Amendment is to cover other inspections on any number of capital projects, whose accounts are listed above. I have included the attached proposal from Tighe & Bond dated March 1, 2019.

23-0814-0-P010
March 1, 2019

Mr. Drew Berndlmaier
Senior Engineer
City of Norwalk
Department of Public Works
125 East Avenue
Norwalk, Connecticut 06856

**Re: SoNo Collection Infrastructure Improvements & Norwalk Capital Projects
Proposal for Construction Observation Services**

Dear Drew:

Tighe & Bond is pleased to present this proposal for construction observation services for the SoNo Collection Infrastructure Improvements and miscellaneous Norwalk DPW Capital Projects.

It is our understanding that the developer of the SoNo Collection mall will be constructing infrastructure improvements in conjunction with the mall development. The proposed infrastructure improvements include new curbing, sidewalks, traffic signals, storm and sanitary sewer connections, crosswalks, milling and paving on City streets surrounding the proposed project. In addition, the Norwalk DPW has a need for construction observation on miscellaneous Capital Projects from April 1, 2019 through June 30, 2019.

We have assumed that the construction observation will be provided on the SoNo Collection project on a full-time basis from April 1, 2019, through September 30, 2019. It is our understanding that much of the initial work will be performed during standard working hours, but some activities such as crosswalks, milling and paving will be completed as night work. We have assumed that the construction observer would work either a day shift or a night shift during each 24-hour period and would not be required to cover back to back shifts.

We have assumed a total of 1,080 hours of Construction Observation services for the SoNo Collection project. Based on staff availability, we anticipate that we will provide a Staff Engineer for roughly the first half of this assignment and a Construction Observer for roughly the second half of this assignment. This proposal assumes that the City of Norwalk DPW will provide Construction Administration services for the project and coordinate operations with the Contractor. We have included a minor allowance of 20 hours for office engineering support by Tighe & Bond if required.

We have assumed that the construction observation for the Norwalk DPW Capital Projects will be provided on a full-time basis from April 1, 2019, through June 30, 2019. We have assumed a total of 520 hours of Construction Observation services for the Norwalk DPW Capital Projects. Based on staff availability, we anticipate that we will provide a Staff Engineer for this assignment. This proposal assumes that the City of Norwalk DPW will provide Construction Administration services for the project and coordinate operations with the Contractor. We have included a minor allowance of 20 hours for office engineering support by Tighe & Bond if required.

Scope of Work – SoNo Collection Infrastructure Improvements

We propose the following scope of services for the SoNo Collection Infrastructure Improvements:

1. Provide full time on-site observation during periods of active construction. Observe the construction to verify conformance with the plans approved by the City of Norwalk. Notify the City of Norwalk regarding observed deficiencies in the work.
2. Prepare daily observation reports covering the work in progress, and documenting delays to construction, unusual events, visitors to the work site, etc. Provide coordination of the construction activity with the City and advise the primary contact at the Norwalk DPW of the status of construction activity.
3. Provide limited office engineering support for the Construction Observer during the duration of Construction and project closeout. We have included an allowance of 20 hours for these services should they be required. We assume Construction Administration tasks, including review of shop drawings and other submittals, responses to Requests for Information (RFI's) and processing of requisitions and change orders will be performed by the City of Norwalk (or others) and are not included. Tighe & Bond will coordinate with the primary contact at the City to provide clarification and field support of the contract documents when required.
4. Provide observation of the performance of outside testing and laboratory services. We have assumed that the project developer will contract directly with a materials testing laboratory for these services and will schedule the testing when needed. Tighe & Bond will witness material testing and review any reports provided to verify conformance with the approved plans and specifications.
5. Participate in a final review of the completed construction with Norwalk DPW staff and prepare a punchlist of corrective actions required.

Scope of Work – Norwalk DPW Capital Projects

We propose the following scope of services for Norwalk DPW Capital Projects:

1. Provide full time on-site observation during periods of active construction. Observe the construction to verify conformance with the plans approved by the City of Norwalk. Notify the City of Norwalk regarding observed deficiencies in the work.
2. Prepare daily observation reports covering the work in progress, and documenting delays to construction, unusual events, visitors to the work site, etc. Provide coordination of the construction activity with the City and advise the primary contact at the Norwalk DPW of the status of construction activity.
3. Provide measurement, computation, or checking of quantities of work performed and quantities of materials in place for partial and final payments to the Contractor(s).
4. Provide limited office engineering support for the Construction Observer during the duration of Construction and project closeout. We have included an allowance of 20 hours for these services should they be required. We assume Construction

Administration tasks, including review of shop drawings and other submittals, responses to Requests for Information (RFI's) and processing of requisitions and change orders will be performed by the City of Norwalk (or others) and are not included. Tighe & Bond will coordinate with the primary contact at the City to provide clarification and field support of the contract documents when required.

5. Provide coordination of outside testing and laboratory services. We have assumed that the City of Norwalk will contract directly with a materials testing laboratory for these services. Tighe & Bond will arrange for and witness material testing to verify conformance with the approved plans and specifications.
6. Participate in a final review of the completed construction with Norwalk DPW staff and prepare a punchlist of corrective actions required.

Assumptions and Exclusions

1. We have assumed that the construction observation services for the SoNo Collection Infrastructure Improvements will be provided for a maximum of 1,080 hours (approximately 135 work days). Should additional construction observation services be required, an amendment can be provided for additional services. We have assumed a Staff Engineer will be on site for roughly the first half of the assignment and a Construction Observer will be on site for roughly the second half of the assignment.
2. We have assumed that the construction observation services for the Norwalk DPW Capital Projects will be provided for a maximum of 520 hours (approximately 65 work days). Should additional construction observation services be required, an amendment can be provided for additional services. We have assumed a Staff Engineer will be on site for this assignment.
3. Field survey services, including preparation of an as-built survey, are not included.
4. We have assumed the materials testing laboratory will be contracted and scheduled directly by the project developer for the SoNo Collection project and by the Norwalk DPW for Capital Projects. Field and laboratory material testing costs are not included.
5. Review or processing of requisitions and change orders is excluded.
6. It is our understanding that work for the SoNo Collection project is not being performed on a unit cost basis. Services do not include measurement, computation or checking of quantities of work performed for payment.
7. All services not specifically identified in the scope of work are excluded.
8. Tighe & Bond's on-site observers will observe/view the Contractor's services for noticeable deficiencies from the contract documents, assist in design interpretation, and confirm the construction is in general conformity with the contract documents. We are on-site for the City of Norwalk's benefit and will notify the City of Norwalk of deficiencies in order for the City of Norwalk to determine if stopping the Contractor's services are appropriate and in the best interest of the Project performance. The means and methods the Contractor should use to accomplish the design element/component of the specifications will be determined by the Contractor, who will also be responsible for compliance with laws, rules, and regulations, as well as, the overall supervision of the site health and safety.

Fee

Tighe & Bond will perform the scope of work noted above for a not to exceed fee of \$201,100 as detailed below. We will undertake this work on an hourly plus expense basis and you will be billed in accordance with the rates in the summary below. Reimbursable expenses performed by other than Tighe & Bond employees, such as subcontractors, materials purchased directly for this project, and permitting fees will be invoiced at cost plus ten percent.

In the event that the scope of work is increased for any reason, the limiting fee to complete the work shall be mutually revised by written amendment. Our attached Terms and Conditions are part of this letter agreement.

For information purposes, the below summary provides the anticipated break out of the project. The summary is presented to give the City of Norwalk a better understanding of how the project budget was developed. Invoices will be submitted based on the total project fee and not individual line item budgets.

SoNo Collection Infrastructure Improvements:

Description	Estimate of Professional Hours	Hourly Rate	Estimated Fee
Staff Engineer 2	540	\$110	\$59,400
Construction Observer 3	540	\$135	\$72,900
Office Engineering Support	20	\$165	\$3,300
Reimbursables (Mileage & Phone)			\$3,000
Total			\$138,600

Norwalk DPW Capital Projects:

Description	Estimate of Professional Hours	Hourly Rate	Estimated Fee
Staff Engineer 2	520	\$110	\$57,200
Office Engineering Support	20	\$165	\$3,300
Reimbursables (Mileage & Phone)			\$2,000
Total			\$62,500

Authorization

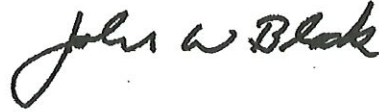
We are prepared to provide the services outlined above on the basis of your execution of the acceptance statement on a copy of this letter to indicate your approval of the scope of work, budget, and method of payment described above. Please contact John Block at 203-712-1111 or Jon Richer at 203-712-1117 with any questions.

Sincerely,

TIGHE & BOND, INC.



Jonathan A. Richer, PE
Senior Project Manager



John W. Block, PE, LS
Senior Vice President

Acceptance:

On behalf of the City of Norwalk, the scope, fee, and terms of this proposal are hereby accepted.

Authorized Representative

Date

Enclosure: Terms & Conditions

J:\N\N0814 Norwalk LPP\010 GGP Construction Observation\Proposal\Final\Sono Collection & Capital Projects - Proposal For Construction Services 2019_03-01.Docx

"CLIENT" is defined in the acceptance line of the accompanying proposal letter or the name the proposal is issued to; Tighe & Bond, Inc. is hereby referenced as "ENGINEER".

1. SCHEDULE OF PAYMENTS

1.1 Invoices will generally be submitted once a month for services performed during the previous month. Payment will be due within 30 days of invoice date. Monthly payments to ENGINEER shall be made on the basis of invoices submitted by ENGINEER and approved by CLIENT. If requested by CLIENT, monthly invoices may be supplemented with such supporting data as reasonably requested to substantiate them.

1.2 In the event of a disagreement as to billing, the CLIENT shall pay the agreed portion.

1.3 Interest will be added to accounts in arrears at the rate of one and one-half (1.5) percent per month (18 percent per annum) or the maximum rate allowed by law, whichever is less, of the outstanding balance. In the event counsel is retained to obtain payment of an outstanding balance, CLIENT will reimburse ENGINEER for all reasonable attorney's fees and court costs.

1.4 If CLIENT fails to make payment in full within 30 days of the date due for any undisputed billing, ENGINEER may, after giving seven days' written notice to CLIENT, suspend services and retain work product until paid in full, including interest. In the event of suspension of services, ENGINEER will have no liability to CLIENT for delays or damages caused by such suspension.

2. SUCCESSORS AND ASSIGNS

2.1 CLIENT and ENGINEER each binds itself, its partners, successors, assigns and legal representatives to the other parties to this Agreement and to the partners, successors, assigns and legal representatives of such other parties with respect to all covenants of this Agreement. ENGINEER shall not assign, sublet or transfer its interest in this Agreement without the written consent of CLIENT, which consent shall not be unreasonably withheld.

2.2 This Agreement represents the entire and integrated Agreement between CLIENT and ENGINEER and supersedes all prior negotiations, representations or Agreements, whether written or oral. This Agreement may be amended only by written instrument signed by both CLIENT and ENGINEER.

2.3 Nothing contained in this Agreement shall create a contractual relationship or cause of action in favor of a third party against CLIENT or against ENGINEER.

3. STANDARD OF CARE

3.1 In performing professional services, ENGINEER will use that degree of care and skill ordinarily exercised under similar circumstances by members of the profession practicing in the same or similar locality.

4. TERMINATION

4.1 This Agreement may be terminated by either party upon seven days' written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party. In addition, CLIENT may terminate this Agreement for its convenience at any time by giving written notice to ENGINEER. In the event of any termination, CLIENT will pay ENGINEER for all services rendered and reimbursable expenses incurred under the Agreement to the date of termination and all services and expenses related to the orderly termination of this Agreement.

5. RECORD RETENTION

5.1 ENGINEER will retain pertinent records relating to the services performed for the time required by law, during which period the records will be made available upon reasonable request and upon reimbursement for any applicable retrieval/copying charges.

5.2 Samples - All soil, rock and water samples will be discarded 30 days after submission of ENGINEER's report, unless mutually agreed otherwise or unless ENGINEER's customary practice is to retain for a longer period of time for the specific type of services which ENGINEER has agreed to perform. Upon request and mutual agreement regarding applicable charges, ENGINEER will ship, deliver and/or store samples for CLIENT.

6. OWNERSHIP OF DOCUMENTS

6.1 All reports, drawings, specifications, computer files, field data, notes, and other documents, whether in paper or electronic format or otherwise ("documents"), are instruments of service and shall remain the property of ENGINEER, which shall retain all common law, statutory and other reserved rights including, without limitation, the copyright thereto. CLIENT's payment to ENGINEER of the compensation set forth in the Agreement shall be a condition precedent to the CLIENT's right to use documents prepared by ENGINEER.

6.2 Documents provided by ENGINEER are not intended or represented to be suitable for reuse by CLIENT or others on any extension or modification of this project or for any other projects or sites. Documents provided by ENGINEER on this project shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party, other than regulatory agencies, without the prior written consent of ENGINEER. Reuse of documents by CLIENT or others on extensions or modifications of this project or on other sites or use by others on this project, without ENGINEER's written permission and mutual agreement as to scope of use and as to compensation, if applicable, shall be at the user's sole risk, without liability on ENGINEER's part, and CLIENT agrees to indemnify and hold ENGINEER harmless from all claims, damages, and expenses, including attorney's fees, arising out of such unauthorized use or reuse.

6.3 Electronic Documents - ENGINEER cannot guarantee the authenticity, integrity or completeness of data files supplied in electronic format. If ENGINEER provides documents in electronic format for CLIENT's convenience, CLIENT agrees to waive any and all claims against ENGINEER resulting in any way from the unauthorized use, alteration, misuse or reuse of the electronic documents, and to defend, indemnify, and hold ENGINEER harmless from any claims, losses, damages, or costs, including attorney's fees, arising out of the unauthorized use, alteration, misuse or reuse of any electronic documents provided to CLIENT.

6.4 Electronic Data Bases - In the event that ENGINEER prepares electronic data bases, geographical information system (GIS) deliverables, or similar electronic documents, it is acknowledged by CLIENT and ENGINEER that such project deliverables will be used and perhaps modified by CLIENT and that ENGINEER's obligations are limited to the deliverables and not to any subsequent modifications thereof. Once CLIENT accepts the delivery of maps, databases, or similar documents developed by ENGINEER, ownership is passed to CLIENT. ENGINEER will retain the right to use the developed data and will archive the data for a period of three years from the date of project completion.

7. INSURANCE

7.1 ENGINEER will retain Workmen's Compensation Insurance, Professional Liability Insurance with respect to liabilities arising from negligent errors and omissions, Commercial General Liability Insurance, Excess Liability, and Automobile Liability during this project. ENGINEER will furnish certificates at CLIENT's request.

7.2 Risk Allocation - For any claim, loss, damage, or liability resulting from error, omission, or other professional negligence in the performance of services, the liability of ENGINEER to all claimants with respect to this project will be limited to an aggregate sum not to exceed \$50,000 or ENGINEER's compensation for consulting services, whichever is greater.

7.3 Damages - Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, neither CLIENT nor ENGINEER, their respective officers, directors, partners, employees, contractors or subconsultants shall be liable to the other or shall make any claim for any incidental, indirect or consequential damages arising out of or connected in any way to the project or to this Agreement. This mutual waiver of certain damages shall include, but is not limited to, loss of use, loss of profit, loss of business, loss of income, loss of reputation and any other consequential damages that may be incurred from any cause of action including negligence, strict liability, breach of contract and breach of strict or implied warranty. Both CLIENT and ENGINEER shall require similar waivers of consequential damages protecting all the entities or persons named herein in all contracts and subcontracts with others involved in this project.

8. INDEMNIFICATION AND DISPUTE RESOLUTION

8.1 ENGINEER agrees, to the fullest extent permitted by law, to indemnify and hold CLIENT harmless from any damage, liability or cost to the extent caused by ENGINEER's negligent acts, errors or omissions in the performance of professional services under this Agreement and those of its subconsultants or anyone for whom ENGINEER is legally liable. ENGINEER is not obligated to indemnify CLIENT in any manner whatsoever for CLIENT's own negligence.

8.2 CLIENT agrees, to the fullest extent permitted by law, to indemnify and hold ENGINEER harmless from any damage, liability or cost to the extent caused by CLIENT's negligent acts, errors or omissions in the performance of this Agreement or anyone for whom CLIENT is legally liable. CLIENT is not obligated to indemnify ENGINEER in any manner whatsoever for ENGINEER's own negligence.

8.3 CLIENT agrees that any and all limitations of ENGINEER's liability, waivers of damages by CLIENT to ENGINEER shall include and extend to those individuals and entities ENGINEER retains for performance of the services under this Agreement, including but not limited to ENGINEER's officers, partners, and employees and their heirs and assigns, as well as ENGINEER's subconsultants and their officers, employees, and heirs and assigns.

8.4 In the event of a disagreement arising out of or relating to this Agreement or the services provided hereunder, CLIENT and ENGINEER agree to attempt to resolve any such disagreement through direct negotiations between senior, authorized representatives of each party. If any disagreement is not resolved by such direct negotiations, CLIENT and ENGINEER further agree to consider using mutually acceptable non-binding mediation service in order to resolve any disagreement without litigation.

9. SITE ACCESS

9.1 Right of Entry - Unless otherwise agreed, CLIENT will furnish right-of-entry on the land for ENGINEER to make any surveys, borings, explorations, tests or similar field investigations. ENGINEER will take reasonable precautions to limit damage to the land from use of equipment, but the cost for restoration of any damage that may result from such field investigations is not included in the agreed compensation for ENGINEER. If restoration of the land is required to its former condition, upon mutual agreement this may be accomplished as a reimbursable additional service at cost plus ten percent.

9.2 Damage to Underground Structures - Reasonable care will be exercised in locating underground structures in the vicinity of proposed subsurface explorations. This may include contact with the local agency coordinating subsurface utility information and/or a review of plans provided by CLIENT or CLIENT representatives for the site to be investigated. ENGINEER shall be entitled to rely upon any information or plans prepared or made available by others. In the absence of confirmed underground structure locations, CLIENT agrees to accept the risk of damage and costs associated with repair and restoration of damage resulting from the exploration work.

10. OIL AND HAZARDOUS MATERIALS

10.1 If, at any time, evidence of the existence or possible existence of asbestos, oil, or other hazardous materials or substances is discovered, ENGINEER reserves the right to renegotiate the terms and conditions of this Agreement, the fees for ENGINEER's services and ENGINEER's continued involvement in the project. ENGINEER will notify CLIENT as soon as practical if evidence of the existence or possible existence of such hazardous materials or substances is discovered.

10.2 The discovery of the existence or possible existence of hazardous materials or substances may make it necessary for ENGINEER to take accelerated action to protect human health and safety, and/or the environment. CLIENT agrees to compensate ENGINEER for the cost of any and all measures that in its professional opinion are appropriate to preserve and/or protect the health and safety of the public, the environment, and/or ENGINEER's personnel. To the full extent permitted by law, CLIENT waives any claims against ENGINEER and agrees to indemnify, defend and hold harmless ENGINEER from any and all claims, losses, damages, liability, and costs, including but not limited to cost of defense, arising out of or in any way connected with the existence or possible existence of such hazardous materials substances at the site.

11. SUBSURFACE INVESTIGATIONS

11.1 In soils, groundwater, and other subsurface investigations, conditions may vary significantly between successive test points and sample intervals and at locations other than where observations, exploration, and investigations have been made. Because of the variability of conditions and the inherent uncertainties in subsurface evaluations, changed or unanticipated underground conditions may occur that may affect overall project costs and/or execution. These variable conditions and related impacts on cost and project execution are not the responsibility of ENGINEER.

12. FEDERAL AND STATE REGULATORY AGENCY AUDITS

12.1 For certain services rendered by ENGINEER, documents filed with federal and state regulatory agencies may be audited after the date of filing. In the event that CLIENT's project is selected for an audit, CLIENT agrees to compensate ENGINEER for time spent preparing for and complying with an

agency request for information or interviews in conjunction with such audit. CLIENT will be notified at the time of any such request by an agency, and ENGINEER will invoice CLIENT based on its standard billing rates in effect at the time of the audit.

13. CLIENT's RESPONSIBILITIES

13.1 Unless otherwise stated in the Agreement, CLIENT will obtain, arrange, and pay for all notices, permits, and licenses required by local, state, or federal authorities; and CLIENT will make available the land, easements, rights-of-way, and access necessary for ENGINEER's services or project implementation.

13.2 CLIENT will examine ENGINEER's studies, reports, sketches, drawings, specifications, proposals, and other documents and communicate promptly to ENGINEER in the event of disagreement regarding the contents of any of the foregoing. CLIENT, at its own cost, will obtain advice of an attorney, insurance counselor, accountant, auditor, bond and financial advisors, and other consultants as CLIENT deems appropriate; and render in writing decisions required by CLIENT in a timely manner.

14. OPINIONS OF COST, FINANCIAL ANALYSES, ECONOMIC FEASIBILITY PROJECTIONS, AND SCHEDULES

14.1 ENGINEER has no control over cost or price of labor and materials required to implement CLIENT's project, unknown or latent conditions of existing equipment or structures that may affect operation or maintenance costs, competitive bidding procedures and market conditions, time or quality of performance by operating personnel or third parties, and other economic and operational factors that may materially affect the ultimate project cost or schedule. Therefore, ENGINEER makes no warranty, expressed or implied, that CLIENT's actual project costs, financial aspects, economic feasibility, or schedules will not vary from any opinions, analyses, projections, or estimates which may be provided by ENGINEER. If CLIENT wishes additional information as to any element of project cost, feasibility, or schedule, CLIENT at its own cost will employ an independent cost estimator, contractor, or other appropriate advisor.

15. CONSTRUCTION PHASE PROVISIONS

The following provisions shall be applicable should the ENGINEER be retained to provide Construction Phase Services in connection with the Project:

15.1 CLIENT and Contractor - The presence of ENGINEER's personnel at a construction site, whether as onsite representatives or otherwise, does not make ENGINEER or ENGINEER's personnel in any way responsible for the obligations, duties, and responsibilities of the CLIENT and/or the construction contractors or other entities, and does not relieve the construction contractors or any other entity of their respective obligations, duties, and responsibilities, including, but not limited to, all construction methods, means, techniques, sequences, and procedures necessary for coordinating and completing all portions of the construction work in accordance with the construction contract documents and for providing and/or enforcing all health and safety precautions required for such construction work.

15.2 Contractor Control - ENGINEER and ENGINEER's personnel have no authority or obligation to monitor, to inspect, to supervise, or to exercise any control over any construction contractor or other entity or their employees in connection with their work or the health and safety precautions for the construction work and have no duty for inspecting, noting, observing, correcting, or reporting on health or safety deficiencies of the construction contractor(s) or other entity or any other persons at the site except ENGINEER's own personnel.

15.3 On-site Responsibility - The presence of ENGINEER's personnel at a construction site is for the purpose of providing to CLIENT an increased degree of confidence that the completed construction work will conform generally to the construction documents and that the design concept as reflected in the construction documents generally has been implemented and preserved by the construction contractor(s). ENGINEER neither guarantees the performance of the construction contractor(s) nor assumes responsibility for construction contractor's failure to perform work in accordance with the construction documents.

15.4 Payment Recommendations - Recommendations by ENGINEER to CLIENT for periodic construction progress payments to the construction contractor(s) are based on ENGINEER's knowledge, information, and belief from selective observation that the work has progressed to the point indicated. Such recommendations do not represent that continuous or detailed examinations have been made by ENGINEER to ascertain that the construction contractor(s) have completed the work in exact accordance with the construction documents; that the final work will be acceptable in all respects; that ENGINEER has made an examination to ascertain how or for what purpose the construction contractor(s) have used the moneys paid; that title to any of the work, materials, or equipment has passed to CLIENT free and clear of liens, claims, security interests, or encumbrances; or that there are no other matters at issue between CLIENT and the construction contractors that affect the amount that should be paid.

15.5 Record Drawings - Record drawings, if required as part of ENGINEER's agreed scope of work, will be prepared, in part, on the basis of information compiled and furnished by others, and may not always represent the exact location, type of various components, or exact manner in which the project was finally constructed. ENGINEER is not responsible for any errors or omissions in the information from others that are incorporated into the record drawings.

16. DESIGN WITHOUT CONSTRUCTION PHASE SERVICES

The following provisions shall be applicable should the ENGINEER be retained to provide design services but not be retained to provide Construction Phase Services in connection with the Project:

16.1 It is understood and agreed that the ENGINEER's Scope of Services under this proposal does not include project observation or review of the Contractor's performance or any other construction phase services, and that such services will be provided by the CLIENT or others. The CLIENT assumes all responsibility for interpretation of the Contract Documents and for construction observation, and the CLIENT waives any claims against the ENGINEER that may be in any way connected thereto.

16.2 In addition, the client agrees, to the fullest extent permitted by law, to indemnify and hold harmless the ENGINEER, its officers, directors, employees and subconsultants (collectively, ENGINEER) against all damages, liabilities or costs, including reasonable attorney's fees and defense costs, arising out of or in any way connected with the performance of such services by other persons or entities and from any and all claims arising from modifications, clarifications, interpretations, adjustments or changes made to the Contract Documents to reflect changed field or other conditions, except for claims arising from the sole negligence or willful misconduct of the ENGINEER.



CITY OF NORWALK
Wilber Giron, E.I.T.

Junior Engineer

wgiron@norwalkct.org

P: 203-854-7801 / F: 203-857-0143

Norwalk City Hall
125 East Avenue, P.O. Box 5125
Norwalk, CT 06856-5125

MEMORANDUM

TO: Lisa Burns, P.E. – Principal Engineer
CC: Drew Berndlmaier, P.E. – Senior Civil Engineer
FROM: Wilber Giron, E.I.T. – Junior Engineer
RE: Project PM2019-1 Pavement Management Program
DATE: March 1, 2019

The Department of Public Works has prepared plans for "Project PM2019-1 Pavement management Program." The City Clerk opened bids for this Project on February 28, 2019.

I have attached a copy of the bid results received from the two (2) low bidders for your reference. I would like to request that the following items be included on the agenda for the March 5, 2019 Public Works Committee meeting.

- a. Authorize the Mayor, Harry W. Rilling, to execute an Agreement with Deering Construction, Inc. for Project PM2019-1 Pavement Management Program for a sum not to exceed \$4,538,688.50.
- b. Authorize the Director of Public Works to execute orders on the Contract with Deering Construction, Inc. for Project PM2019-1 Pavement Management Program for a sum not to exceed \$453,868.85.

Account No.

09 18 40210 5777 C0021
09 19 40210 5777 C0021
09 19 40270 5777 C0302
09 18 40210 5777 C0503
09 15 40310 5777 C0515
09 17 40210 5777 C0515
09 12 40210 5777 C0504
09 16 40210 5777 C0232
09 19 6030 5777 C0472
09 19 6310 5777 C0186
09 19 6310 5777 C0092
09 19 6310 5777 C0132
0300002602
0141505298



PROJECT: PM2019-1 Pavement Management Program

BID OPENING: Thursday, February 28, 2019 at 3:00 PM

<u>Bidder</u>	<u>Bid Amount</u>	<u>Bid Bond</u>
The Grasso Companies, LLC	\$5,567,963.56	Allegheny Casualty Company - 15% of amount bid
Deering Construction, Inc. <i>(Apparent Low Bidder)</i>	\$4,538,688.50	Travelers casualty and Surety Company of America - 15% of amount bid

Project Number: PM2019-1

Project Name: PAVEMENT MANAGEMENT PROGRAM

Item Number	Description	Apparent Low Bidder			Second Bidder			Third Bidder			Engineer's Estimate	
		Quantity	Unit	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Amount
0202000	EARTH EXCAVATION	500.00	CY	\$12.00	\$6,000.00	\$30.00	\$15,000.00	\$0.00	\$0.00	\$14.00	\$7,000.00	
0202503 A	REMOVAL OF CONCRETE CURBING	1200.00	LF	\$4.90	\$5,880.00	\$2.00	\$2,400.00	\$0.00	\$0.00	\$20.00	\$24,000.00	
0202504 A	REMOVAL OF BITUMINOUS CONCRETE CURBING	10000.00	LF	\$1.40	\$14,000.00	\$2.00	\$20,000.00	\$0.00	\$0.00	\$2.50	\$25,000.00	
0209001	FORMATION OF SUBGRADE	500.00	SY	\$2.15	\$1,075.00	\$2.00	\$1,000.00	\$0.00	\$0.00	\$3.00	\$1,500.00	
0304002	PROCESSED AGGREGATE BASE	650.00	CY	\$28.00	\$18,200.00	\$25.00	\$16,250.00	\$0.00	\$0.00	\$30.00	\$19,500.00	
0403875 A	15" RECLAMATION - ASPHALT GRAVEL BASE	4200.00	SY	\$4.60	\$19,320.00	\$8.00	\$33,600.00	\$0.00	\$0.00	\$10.00	\$42,000.00	
0403876 A	10" RECLAMATION - ASPHALT GRAVEL BASE	6100.00	SY	\$4.60	\$28,060.00	\$6.00	\$36,600.00	\$0.00	\$0.00	\$6.50	\$39,650.00	
0406171 A	HMA SUPERPAVE 0.5" (12.5) LEVEL 2	4700.00	TON	\$96.45	\$453,315.00	\$107.43	\$504,921.00	\$0.00	\$0.00	\$90.50	\$425,350.00	
0406172 A	HMA SUPERPAVE 0.375" (9.5) LEVEL 2	9500.00	TON	\$101.00	\$959,500.00	\$112.03	\$1,064,285.00	\$0.00	\$0.00	\$97.00	\$921,500.00	
0406201 A	ROAD ENCROACHMENT PERMANENT PAVEMENT REPAIR (MAJOR ARTERIAL) MIN BID - SEE SPECIAL NOTES	10.00	SY	\$185.00	\$1,850.00	\$120.00	\$1,200.00	\$0.00	\$0.00	\$150.00	\$1,500.00	
0406202 A	ROAD ENCROACHMENT PERMANENT PAVEMENT REPAIR (MINOR ARTERIAL) MIN BID - SEE SPECIAL NOTES	90.00	SY	\$120.00	\$10,800.00	\$100.00	\$9,000.00	\$0.00	\$0.00	\$106.00	\$9,540.00	
0406203 A	ROAD ENCROACHMENT PERMANENT PAVEMENT REPAIR (COLLECTOR) MIN BID - SEE SPECIAL NOTES	400.00	SY	\$80.00	\$32,000.00	\$80.00	\$32,000.00	\$0.00	\$0.00	\$90.00	\$36,000.00	
0406204 A	ROAD ENCROACHMENT PERMANENT PAVEMENT REPAIR (LOCAL) MIN BID - SEE SPECIAL NOTES	1000.00	SY	\$60.00	\$60,000.00	\$60.00	\$60,000.00	\$0.00	\$0.00	\$65.00	\$65,000.00	
0406267 A	BITUMINOUS CONCRETE MILLING (0-4")	112000.00	SY	\$2.30	\$257,600.00	\$2.40	\$268,800.00	\$0.00	\$0.00	\$2.35	\$263,200.00	
0406279 A	MILL FULL LANE 1.5" (40 LF TO 200 LF)	250.00	SY	\$3.80	\$950.00	\$4.00	\$1,000.00	\$0.00	\$0.00	\$10.00	\$2,500.00	
0406280 A	MILL FULL LANE 1.5" (>200 LF)	270.00	SY	\$3.00	\$810.00	\$10.00	\$2,700.00	\$0.00	\$0.00	\$3.50	\$945.00	
0406282 A	MILL FULL LANE 2" (>200 LF)	1200.00	SY	\$3.00	\$3,600.00	\$7.00	\$8,400.00	\$0.00	\$0.00	\$2.35	\$2,820.00	

Project Number: PM2019-1

Project Name: PAVEMENT MANAGEMENT PROGRAM

Item Number	Description	Quantity	Unit	Apparent Low Bidder		Second Bidder		Third Bidder		Engineer's Estimate	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
0406451 A	BITUMINOUS CONCRETE 1.5" OVERLAY FULL LANE (40LF TO 200LF)	20.00	TON	\$175.00	\$3,500.00	\$250.00	\$5,000.00	\$0.00	\$0.00	\$200.00	\$4,000.00
0406452 A	BITUMINOUS CONCRETE 1.5" OVERLAY FULL LANE (> 200LF)	120.00	TON	\$100.00	\$12,000.00	\$200.00	\$24,000.00	\$0.00	\$0.00	\$150.00	\$18,000.00
0406454 A	BITUMINOUS CONCRETE 2" OVERLAY FULL LANE (>200LF)	140.00	TON	\$100.00	\$14,000.00	\$200.00	\$28,000.00	\$0.00	\$0.00	\$200.00	\$28,000.00
0406998 A	DENSITY ADJUSTMENT	1.00	ALLOW	\$17,000.00	\$17,000.00	\$17,000.00	\$17,000.00	\$0.00	\$0.00	\$17,000.00	\$17,000.00
0406999 A	ASPHALT ADJUSTMENT COST	1.00	EST	\$78,000.00	\$78,000.00	\$78,000.00	\$78,000.00	\$0.00	\$0.00	\$78,000.00	\$78,000.00
0407010 A	SPEED BUMPS	1450.00	SF	\$2.35	\$3,407.50	\$10.00	\$14,500.00	\$0.00	\$0.00	\$12.00	\$17,400.00
0507042 A	RESET CATCH BASIN	300.00	EA	\$450.00	\$135,000.00	\$600.00	\$180,000.00	\$0.00	\$0.00	\$500.00	\$150,000.00
0507781	RESET MANHOLE	200.00	EA	\$450.00	\$90,000.00	\$650.00	\$130,000.00	\$0.00	\$0.00	\$500.00	\$100,000.00
0507792 A	RECONSTRUCT CATCH BASIN	20.00	VF	\$250.00	\$5,000.00	\$400.00	\$8,000.00	\$0.00	\$0.00	\$300.00	\$6,000.00
0511530 A	LINDENWOODS ROAD DRAINAGE IMPROVEMENTS	1.00	LS	\$32,500.00	\$32,500.00	\$59,900.00	\$59,900.00	\$0.00	\$0.00	\$46,000.00	\$46,000.00
0511531 A	SMITH STREET DRAINAGE IMPROVEMENTS	1.00	LS	\$14,500.00	\$14,500.00	\$23,950.00	\$23,950.00	\$0.00	\$0.00	\$20,000.00	\$20,000.00
0511532 A	NORTH TAYLOR AVENUE DRAINAGE IMPROVEMENTS	1.00	LS	\$15,250.00	\$15,250.00	\$53,250.00	\$53,250.00	\$0.00	\$0.00	\$20,000.00	\$20,000.00
0651344 A	STORM DRAINAGE ALLOWANCE	1.00	ALLOW	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$0.00	\$0.00	\$100,000.00	\$100,000.00
0811001 A	CONCRETE CURBING	760.00	LF	\$35.00	\$26,600.00	\$35.00	\$26,600.00	\$0.00	\$0.00	\$35.00	\$26,600.00
0811007 A	CONCRETE CURBING (<45 LF PER MOB.)	45.00	LF	\$40.00	\$1,800.00	\$50.00	\$2,250.00	\$0.00	\$0.00	\$40.00	\$1,800.00
0812000 A	EXTRUDED CONCRETE CURB	1900.00	LF	\$7.35	\$13,965.00	\$8.00	\$15,200.00	\$0.00	\$0.00	\$7.00	\$13,300.00
0813015 A	5" X 16" GRANITE STONE CURBING (STRAIGHT)	5000.00	LF	\$58.00	\$290,000.00	\$55.00	\$275,000.00	\$0.00	\$0.00	\$50.00	\$250,000.00
0815001	BITUMINOUS CONCRETE LIP CURBING	10000.00	LF	\$4.25	\$42,500.00	\$6.00	\$60,000.00	\$0.00	\$0.00	\$4.00	\$40,000.00
0910004	METAL BEAM RAIL (TYPE R-B)	120.00	LF	\$27.50	\$3,300.00	\$78.00	\$9,360.00	\$0.00	\$0.00	\$75.00	\$9,000.00
0911923	R-B END ANCHORAGE- TYPE 2	2.00	EA	\$1,450.00	\$2,900.00	\$4,550.00	\$9,100.00	\$0.00	\$0.00	\$1,500.00	\$3,000.00
0912504	REMOVE METAL BEAM RAIL	120.00	LF	\$6.60	\$792.00	\$6.50	\$780.00	\$0.00	\$0.00	\$6.00	\$720.00
0921001 A	CONCRETE SIDEWALK	28500.00	SF	\$8.75	\$249,375.00	\$10.00	\$285,000.00	\$0.00	\$0.00	\$12.00	\$342,000.00
0921004 A	CONCRETE SIDEWALK (<110 SF PER MOB.)	110.00	SF	\$15.00	\$1,650.00	\$20.00	\$2,200.00	\$0.00	\$0.00	\$20.00	\$2,200.00

ProjectNumber: PM2019-1

Project Name: PAVEMENT MANAGEMENT PROGRAM

Item Number	Description	Apparent Low Bidder			Second Bidder			Third Bidder			Engineer's Estimate	
		Quantity	Unit	UnitPrice	Amount	UnitPrice	Amount	UnitPrice	Amount	UnitPrice	Amount	Amount
0921010 A	CONCRETE DRIVEWAY RAMP (<90 SF PER MOB.)	90.00	SF	\$15.00	\$1,350.00	\$30.00	\$2,700.00	\$0.00	\$0.00	\$21.00	\$1,890.00	
0921011 A	CONCRETE DRIVEWAY RAMP	7500.00	SF	\$10.00	\$75,000.00	\$14.00	\$105,000.00	\$0.00	\$0.00	\$16.00	\$120,000.00	
0921014 A	PRECAST CONCRETE PAVEMENT SIDEWALK AND DRIVEWAY	7150.00	SF	\$18.00	\$128,700.00	\$25.00	\$178,750.00	\$0.00	\$0.00	\$45.00	\$321,750.00	
0921021 A	RELAY PRECAST CONCRETE PAVEMENT SIDEWALK AND DRIVEWAY	400.00	SF	\$18.00	\$7,200.00	\$20.00	\$8,000.00	\$0.00	\$0.00	\$30.00	\$12,000.00	
0921051 A	PROPOSED SIDEWALKS AT ROUTE 136 (WILSON AVENUE)	1.00	LS	\$49,000.00	\$49,000.00	\$81,604.00	\$81,604.00	\$0.00	\$0.00	\$75,000.00	\$75,000.00	
0922001 A	BITUMINOUS CONCRETE SIDEWALK	12000.00	SY	\$36.00	\$432,000.00	\$40.00	\$480,000.00	\$0.00	\$0.00	\$36.00	\$432,000.00	
0922502 A	BITUMINOUS CONCRETE DRIVEWAY OVERLAY	50.00	TON	\$170.00	\$8,500.00	\$250.00	\$12,500.00	\$0.00	\$0.00	\$175.00	\$8,750.00	
0922525 A	MAIN STREET PARKING LOT	1.00	LS	\$57,500.00	\$57,500.00	\$65,650.00	\$65,650.00	\$0.00	\$0.00	\$73,590.00	\$73,590.00	
0922526 A	WEBSTER LOT I	1.00	LS	\$80,000.00	\$80,000.00	\$92,950.00	\$92,950.00	\$0.00	\$0.00	\$183,040.00	\$183,040.00	
0922527 A	WEBSTER LOT II	1.00	LS	\$133,000.00	\$133,000.00	\$161,964.00	\$161,964.00	\$0.00	\$0.00	\$54,450.00	\$54,450.00	
0922528 A	WEBSTER LOT III	1.00	LS	\$182,000.00	\$182,000.00	\$218,182.00	\$218,182.00	\$0.00	\$0.00	\$219,285.00	\$219,285.00	
0922529 A	TRANSFER STATION PARKING LOT	1.00	LS	\$80,000.00	\$80,000.00	\$103,900.00	\$103,900.00	\$0.00	\$0.00	\$70,000.00	\$70,000.00	
0922530 A	LOCKWOOD MATHEWS MANSION MUSEUM PARKING LOT	1.00	LS	\$23,000.00	\$23,000.00	\$85,595.76	\$85,595.76	\$0.00	\$0.00	\$56,000.00	\$56,000.00	
0922531 A	PARKS & REC PARKING LOT (SOUTH SMITH STREET)	1.00	LS	\$36,000.00	\$36,000.00	\$39,250.00	\$39,250.00	\$0.00	\$0.00	\$45,000.00	\$45,000.00	
0922532 A	YANKEE DOODLE GARAGE BURNELL BOULEVARD ENTRANCE	1.00	LS	\$10,000.00	\$10,000.00	\$24,845.00	\$24,845.00	\$0.00	\$0.00	\$50,000.00	\$50,000.00	
0922533 A	OAK HILLS PARK GOLF COURSE - CART PATH	1.00	LS	\$11,000.00	\$11,000.00	\$13,560.00	\$13,560.00	\$0.00	\$0.00	\$12,000.00	\$12,000.00	
0924007 A	HANDICAP RAMPS (ADA COMPLIANT)	420.00	SF	\$25.00	\$10,500.00	\$45.00	\$18,900.00	\$0.00	\$0.00	\$35.00	\$14,700.00	
0944003 A	FURNISHING AND PLACING TOPSOIL	8000.00	SY	\$6.00	\$48,000.00	\$12.00	\$96,000.00	\$0.00	\$0.00	\$10.00	\$80,000.00	
0950003 A	TURF ESTABLISHMENT (LAWN)	8000.00	SY	\$1.00	\$8,000.00	\$3.00	\$24,000.00	\$0.00	\$0.00	\$1.50	\$12,000.00	

ProjectNumber: PM2019-1

Project Name: PAVEMENT MANAGEMENT PROGRAM

Item Number	Description	Quantity	Unit	Apparent Low Bidder		Second Bidder		Third Bidder		Engineer's Estimate	
				UnitPrice	Amount	UnitPrice	Amount	UnitPrice	Amount	UnitPrice	Amount
0980003 A	PROJECT SURVEY AND STAKEOUT	1.00	ALLOW	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00	\$0.00	\$0.00	\$3,500.00	\$3,500.00
1111051 A	LOOP VEHICLE DETECTOR	200.00	LF	\$15.00	\$3,000.00	\$18.00	\$3,600.00	\$0.00	\$0.00	\$40.00	\$8,000.00
1111451	LOOP DETECTOR SAW CUT	200.00	LF	\$15.00	\$3,000.00	\$5.00	\$1,000.00	\$0.00	\$0.00	\$15.00	\$3,000.00
1210101	4" WHITE EPOXY RESIN PAVEMENT MARKINGS	835.00	LF	\$0.40	\$334.00	\$0.48	\$400.80	\$0.00	\$0.00	\$0.50	\$417.50
1210104	4" DOUBLE YELLOW EPOXY RESIN PAVEMENT MARKINGS	8000.00	LF	\$0.80	\$6,400.00	\$0.96	\$7,680.00	\$0.00	\$0.00	\$0.85	\$6,800.00
1210105	EPOXY RESIN PAVEMENT MARKINGS - SYMBOLS AND LEGENDS	700.00	SF	\$3.85	\$2,695.00	\$4.62	\$3,234.00	\$0.00	\$0.00	\$4.00	\$2,800.00
1210106	12" WHITE EPOXY RESIN PAVEMENT MARKINGS	100.00	LF	\$3.85	\$385.00	\$4.62	\$462.00	\$0.00	\$0.00	\$4.00	\$400.00
1210124	24" WHITE EPOXY RESIN PAVEMENT MARKINGS	3500.00	LF	\$7.75	\$27,125.00	\$9.30	\$32,550.00	\$0.00	\$0.00	\$8.00	\$28,000.00
1302060	RESET GATE BOXES	400.00	EA	\$45.00	\$18,000.00	\$75.00	\$30,000.00	\$0.00	\$0.00	\$55.00	\$22,000.00
1304016 A	MATHEWS PARK WATER SERVICE REPLACEMENT	1.00	LS	\$67,500.00	\$67,500.00	\$187,940.00	\$187,940.00	\$0.00	\$0.00	\$55,000.00	\$55,000.00
					\$4,538,688.50		\$5,567,963.56		\$0.00		\$5,151,397.50

Apparent Low Bidder = Deering Construction, Inc. Norwalk, CT

Second Bidder = The Grasso Companies Norwalk, CT

Third Bidder = N/A

Project Number: PM2019-1AL

Project Name: PAVEMENT MANAGEMENT PROGRAM BID ALTERNATE

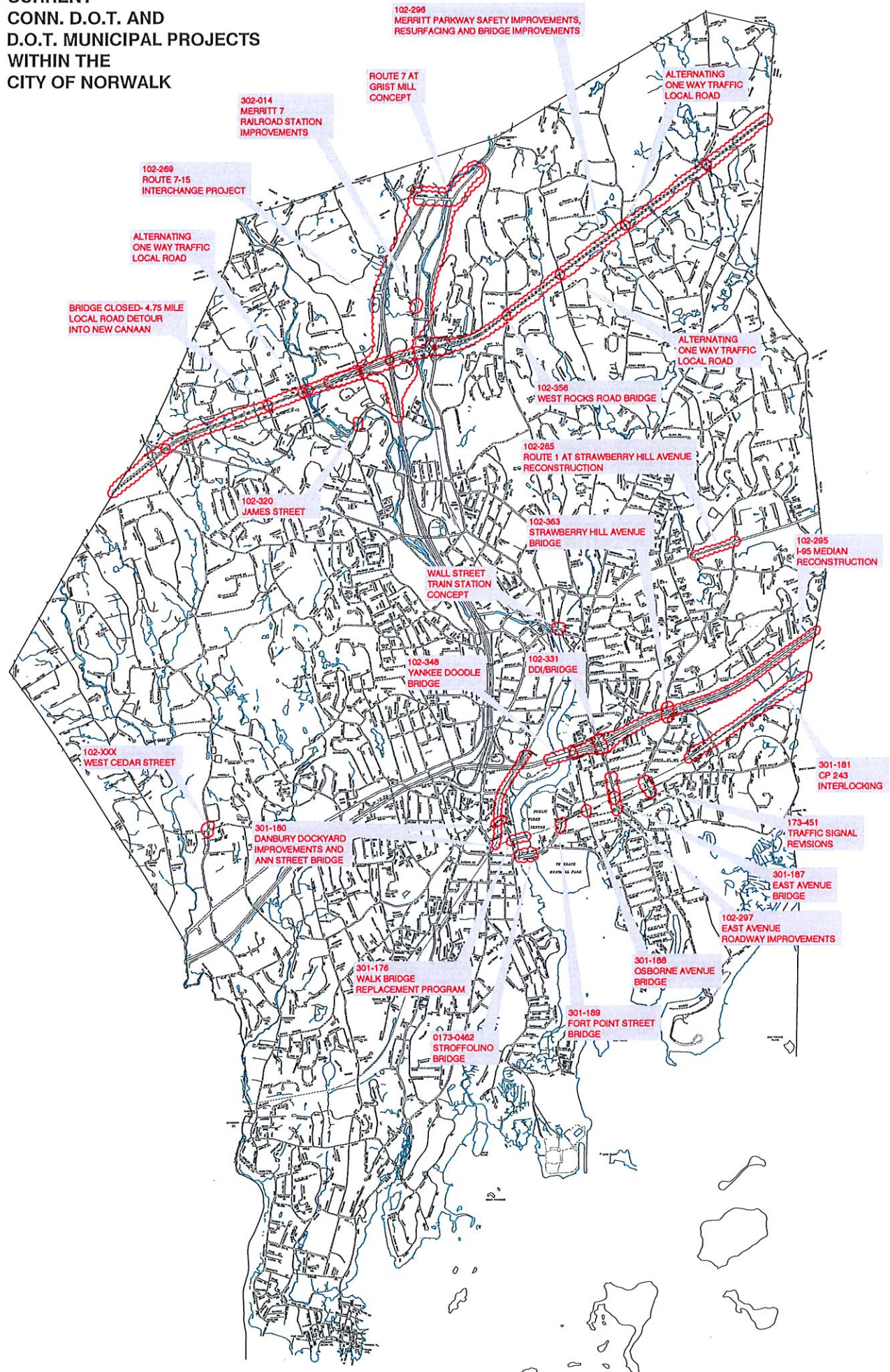
Item Number	Description	Quantity	Unit	Apparent Low Bidder			Second Bidder			Third Bidder			Engineer's Estimate		
				Unit Price	Amount		Unit Price	Amount		Unit Price	Amount		Unit Price	Amount	
0406165 A	WMA SUPERPAVE 0.5" (12.5) LEVEL 2	1260.00	TON	\$103.00	\$129,780.00		\$109.43	\$137,881.80		\$0.00	\$0.00		\$98.50	\$124,110.00	
0406167	WMA SUPERPAVE 0.375" (9.5) LEVEL 2	4440.00	TON	\$108.00	\$479,520.00		\$114.03	\$506,293.20		\$0.00	\$0.00		\$92.00	\$408,480.00	
					\$609,300.00			\$644,175.00		\$0.00	\$0.00			\$532,590.00	

Apparent Low Bidder = Deering Construction, Inc. Norwalk, CT

Second Bidder = The Grasso Companies Norwalk, CT

Third Bidder = N/A

**CURRENT
CONN. D.O.T. AND
D.O.T. MUNICIPAL PROJECTS
WITHIN THE
CITY OF NORWALK**



D.P.W. Capital Project Staffing Plan – February 28, 2019			
Project**	Status	Design Team	Construction Inspection Team
Redevelopment Projects			
Ryan Park – Playground Advertise – 1/14/2019 Bid Open – 2/4/2019	Bid opening 02/28	MP, MD, DB, S.S. - Redevelopment	FM, Intern
WaVi / Raymond & Day	Completion 1/2019 – Final Close Out		DB, MD
50 Washington Park – 1-8-2019	Awarded - Pending contract	DB, MD, AH	FM, AH
Pavement Management Projects			
Pavement Management Consultant	Interview Consulting Firms on 2/22/19	DB, WG	DB, MP
Paving Program	Out to bid - Due 02/28	DB, WG	MD, MP, Interns, Inspector
Webster Street Lot		VV	VV, WG
Main Street at High Street Lot		VV	VV, WG
Yankee Doodle Garage Burnell Entrance		VV	VV, WG
Transfer Station Parking Lot		DB, WG	MD, MP
Parks & Rec Parking Lot		DB, WG	MD, MP
Oak Hills Park Golf Course - Cart Path		DB, WG	MD, MP
Lockwood Mansion Parking Lot		DB, WG	MD, MP
Lockwood Mansion Water Service		DB, WG	MD, MP
Proposed Sidewalks at Route 136 (Wilson Ave.)		DB, WG	MD, MP
Lindenwoods Drainage		DB, WG	MD, MP
North Taylor Ave Drainage		DB, WG	MD, MP
Smith Street Drainage		DB, WG	MD, MP
Permanent Patch Contract	Putting scope together - advertise date 3/11/19	TL, FM	TL, JS, Interns
Road Projects			
Veterans Park Entrance Realignment	Design Plans Being Drawn	FW, KH	VV, TL
Elizabeth St		LB, DB, TL	VV, WG
East Avenue Roadway Improvements (102-297)	Advance 90% design 6/2019 /Advanced Utility Mtg to be scheduled	LB, VV	
Sidewalk Projects			
Covewood/Wilson Sidewalk – Add to Paving Contract	Resubmitted; Special Capital Approp. Req'd. From Cudlipp Project	MY, FW, WG	MD, MP
ADA Ramps at City Hall	Preliminary plans – Health Dept. Meets ADA Req.	FW, GK	See Anna Keegan for other locations
Bridge Projects			
James Street Bridge (102-320)	Awarded, 2018 – 2019 Const.	VV	DB, AH
West Cedar Street Bridge	RFQ For Design	VV	VV, WG
Bridge Insp./Repairs < 20 Ft. Long - Bridge Scour Inspection Reports	26 Bridges - Project Kick-off Mtg	LB, PS	PS, AH
Bridge Repairs (In House)	Lowe St. Sidewalk Repair Remaining - misc locations	PS	CT, JK
Glover Avenue Bridge	Concept	LB, VV	

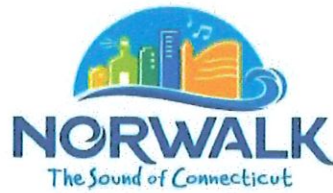
Project**	Status	Design Team	Construction Inspection Team
Storm Water Management			
Storm Water Management Consulting - Jacob's Contract for dredging, pipe cleaning, rooto cutting, and lining	Contract has been awarded. Negotiating terms.	DB, MD	RKK, AH
Watercourse Maintenance		LB, DB, MD	GK, MD
West Avenue Drainage – D.O.T.	CTDOT doing investigations	LB, TL, RKK, MP	MP
Dredging Contract – Open Channels and Heavy Pipe Cleaning	Advertise by end of March	DB, MD, MP	DPW OPERATIONS
73 East Rocks Road			GK
Thorpe Lane Storm Drainage	Lining Project – WPCA Contract	DB, RKK, GK	GK
Webster Street Lot Drainage		DB, GK, RKK	GK
Lloyd Rd Flooding		GK, AH	TBD
Saddle Road Area	Dredge Friendly Pond	DB	TBD
22 Lyncrest		DB, GK	GK
Honeyhill (Cityworks)		DB, GK	GK
Stormwater Plan	On Hold – Flood Issues. Prepare plan components; Consultant selection by Spring 2019	RKK, DB	On Hold
Roton Pond Dam	Valve and Clean Up - waiting for valve	LB, MD	RKK, Jlop
Norwalk River Flood Control	ACOE / Retaining Wall – Develop Slope Restoration Plan For ACOE Approval	PS, LB	DPW
Webster Lot Drainage	Being surveyed.	TL, GK	TBD
Traffic Projects			
Safe Routes to School (Roton)	Project Closeout	MY	WG, FM
Traffic signal replacement (City Funds)	Awarded; 2018 construction; adding Main/Wall – Sending Plan to OSTA End of 1/2019	PS	FE, FM, AT
Traffic signal replacement (CMAQ grant) PH3	Design phase (Urban) – On Hold, Delay bidding to cover 1.1 M funding shortfall, Resubmission Pending	MY, FE	FE, FM, AT
CMAQ Traffic Signal Upgrade (4) – I-95 Diversion	Bid CY 2021, Funding? WSP Design, LB to do logistics review	MY	FE, AT
Washington Street Over Height Vehicle Detection System	60% Design – 2/2019, Bid 8/2019, Const. 2020	MY, FW	FE, AT
Pavement Markings – Bike	Awarded – underway	MY	AT
Pavement Markings – General	Awarded – underway	MY, FE	AT
RRFB Crosswalks	Design development 2019; 2018 construction	MY, FE	FE, AT
Lewis/East Ave/Park	Richards, West Rocks, Highland, Ponus		
Seaview Avenue Path.	Prelim. Plans complete - need specs. Public Info. Mtg. – 2/2019, Bid 6/2019, Add to Pave. Amend., Const. Fall 2019	MD, FW	FM
West Washington Improvements	Bid Date TBD – Break into two Projects, Final Design to Westcog 1/2019 – Water Qual. Issue – See Ralph Kolb	MY	AH
NRVT	Final Design Plans Submitted to State 1/2019; ROW needed, but O.K. in Norwalk w/CTDOT, Bid 3/2019	MY	AH
Columbus School	Concept	MY	
Tree Program			
Tree Planting		PS	Intern

Project**	Status	Design Team	Construction Inspection Team
Special Projects			
EDMS	Funds - scanned 60% (indexed 70% of scanned drawings)	LB, NA, GK	NA
Street Lights/GIS	Inventory being completed Next Step – Capital Funding	PS	
IR/Payment	IT to present end of Dec. 2018	PS	
Municipality Implementation	Moving slowly – Software Issue -Financial Details of DPW Permits, IT Follow-Up 1/2/19 H.D. Live in 1/2019, DPW Next in Line	TL	
Pavement Management Software	Interviews 02/22	DB, WB	
Ordinance Updates (Road Opening, WPCA, Sanitary Sewer)		TL, Brian Candella	
Drainage Manual Update	Jan-19	PS, FW	
Standard Details Update	January 2019 – Crosswalk Sewer Lat. – Plug from curb	PS, FW	
Transfer Station	TBD	CT, JPal	CT, JPal
Possible LOTCIP Grant Projects			
East Wall St - Landmark Square	approved, finalizing paperwork by end of March	DB, PS	
Rte. 136 - Woodward Ave	pending - verifying ROW	DB, KG	
Rte. 1 @ Stew Leonard's	pending - verifying ROW	MY	
Myrtle x East Ave	pending - cost breakout needed	DB, VV, MY	
West Rocks Rd	Concept	MY	
Main Ave	Concept	MY	
State Projects In Norwalk – Coordination and Monitoring			
Maritime Aquarium	Making Progress	LB, ALo, VV	
Eversource/Elizabeth Street	Evan Piachinte – Burns & MacDonald	LB, DB	
Rt. 1 at Strawberry Hill Avenue (102-285)	Under Construction, Completion – 8/2020	LB, PS	
Strawberry Hill Avenue Bridge (102-363)	Bid December 2018, Begin Construction 4/2019	LB, PS	
Yankee Doodle Bridge (102-348)	Under Construction, Completion – 11/2019	LB, PS	
Stroffolino Bridge (102-357)	Storm Armoring Completed	VV	WG
Stroffolino Bridge (173-462)	Second Phase Awarded - kick-off mtg 3/13/19		
I-95 Median Project (102-295)	Advertise Spring 2020 Construction 2021	LB, PS	
West Rocks Road Over Merritt Bridge (102-356)	Almost complete – Fall 2018	VV	WG
Merritt 7 Railroad Station	Going out to bid mid March	LB, VV	
Merritt Parkway (Route 15) Safety Improvements, Resurfacing, Enhancements and Bridge	Advertise 1/15/2020, Start Const. 8/2020, Complete Fall 2023.	LB, PS	
Merritt 7 - Paving project		PS	
Route 7-15 Interchange	Concept		
Route 7 at Gristmill	Concept		
Wall Street Train Station	Concept		
DDI/Bridge (102-331)			
Traffic Signal Revisions (173-451)			
Walk Bridge Program			
Walk Bridge 60% DD Review		LB, VV	VV
Walk Bridge Replacement Program (301-176)		LB, VV	
Danbury Dockyard Improvements and Ann Street Bridge (301-180)		LB, VV	
CP 243 Interlocking (301-181)		LB, VV	
East Avenue Bridge (301-187)		LB, VV	
Osborne Avenue Bridge (301-188)		LB, VV	
Fort Point Street Bridge (301-189)		LB, VV	

Project**	Status	Design Team	Construction Inspection Team
Development Projects			
SoNo Collection		LB, TL	
Glover Avenue Corridor (Various) / BLT	Traffic L.O.S. by 1/3/2019	LB, DB	
Cove Marina / Gardella proposal			
BLT / Grist Mill Village & Glover Avenue Reconstruction Request			
Washington Village Phase 2			
Hospital expansion – involves City land			
Maplewood			
FD Rich “Adult Entertainment” on Water Street			
Chestnut Street Spinnaker – involves City land			
230 East Avenue Spinnaker			
East Avenue property acquisition from TTD and underground utilities along corridor			
Clarke Development on Elizabeth Street			
Boots Property Development			
Pinnacle (and finishing work incomplete on the Berkley & Quincy buildings – TCO only)			
Library / Public Television Project			
Merritt Parkway / Route 7 Connector – property impacts			
Highpointe			
The Wharf			
WPCA Projects			
Collection System Project	Out to bid	RKK	AH, WPCA Intern
Marvin Beach Pump Station	Under Construction	RKK	AH, WPCA Intern
Surveys, Drainage & Grading Projects			
Webster parking lot-survey for drainage	Filed work in progress	GK, TL	
Webster parking lot-survey to update parking layout based on GIS and old survey	To be scheduled	GK	
Roton Pond Dam as-built survey	Drafting	GK, AH	
Margaret Street	Finalizing project and putting together Right of Entry Agreement	DB,GK	
Rebel Lane	Drainage improvement design in progress	DB,GK	
Glendenning Street- survey & grading plan	To be scheduled	GK	
Bittersweet Trail-survey & new storm drainage system design	To be scheduled	GK	
Marwin Street- survey & grading plan	In progress	GK	
Butternut Lane-survey & grading plan	To be scheduled	GK	
Columbine Lane -survey & grading plan	To be scheduled	GK	
Mohawk Drive-survey & grading plan	To be scheduled	GK	
Michael Street-survey & grading plan	To be scheduled	GK	
Driftwood Lane-survey & grading plan	To be scheduled	GK	
Hawkins Avenue-survey & grading plan	To be scheduled	GK	
Various surveys and grading plans as it requested by engineering staff, highway department and paving contractor	As it requested	GK	
PA Projects			
Parking Authority Projects		VV	WG

**D.P.W. Capital Projects In Progress – February 28, 2019
Consultant Design Fees And Construction Costs**

Project	Value
Pavement Management Program	
Paving Program	\$4,788,688.50
Permanent Patch Contract	\$275,000.00
Concrete Curbs and Sidewalks At Various Locations - RD2018-1	846,000.00
Bridge Projects	
James Street Bridge (102-320)	2,553,707.19
West Cedar Street Bridge	3,000,000.00
Bridge Insp./Repairs < 20 Ft. Long - Bridge Scour Inspection Reports	251,200.00
Storm Water Management	
Roton Pond Dam	50,000.00
Traffic Projects	
Safe Routes to School (Roton)	811,392.50
Traffic Signal Replacement (City Funds)	1,124,150.31
LOTICIP Grant Project	
East Wall St - Landmark Square	1,521,600.00
WPCA Projects	
WWTP Projects	\$2,620,238.00
Collection System Projects	\$5,211,191.00
Pump Station Projects	\$11,316,279.00
Other City Department Projects Managed By D.P.W.	
Ryan Park – Playground Advertise – 1/14/2019 Bid Open – 2/4/2019	\$897,612.85
WaVi / Raymond & Day	\$8,610,601.00
50 Washington Park – 1-8-2019	\$1,245,609.00
TOTAL	\$45,123,269.35



To: Chris Torre, Superintendent of Operations
 Lisa Burns, Principal Engineer
 Kathryn Hebert, DPW Administrative Services Manager
 Dilene Byrd, Administrative Assistant

From: Jessica C. Paladino, Waste Programs Manager

Date: February 14, 2019

Re: MSW and Recycling Report - January 2019

MSW Collection and Disposal				
Municipal Solid Waste (MSW)	Previous FY: Jan-18	Current FY: Jan-19	Change	FY 17/18 Cumulative
Curbside tonnage	1,262.05	1,457.38	15.5%	9,354.40
MSW tonnage out	1,855.59	1,901.21	2.5%	14,210.26
Transfer station operating fee	\$66,875.00	\$68,291.67	2.1%	\$478,041.69
Transport and disposal fee	\$163,291.92	\$169,207.69	3.6%	\$1,264,713.14
Curbside collection fee	\$92,754.75	\$95,537.42	3.0%	\$668,761.94
Total operating costs (less curbside)	\$230,166.92	\$237,499.36	3.2%	\$1,742,754.83

MSW Consolidated Budget	
FY 17/18 Budget	\$4,045,199.00
Amount expended	\$2,411,516.76
Percent remaining	40.4%

Recycling Collection				
Recycling Collection	Previous FY: Jan-18	Current FY: Jan-19	Change	FY 17/18 Cumulative
Curbside tonnage	738.24	756.95	2.5%	5,305.57
Transfer station tonnage	32.36	46.22	42.8%	298.04
Total monthly tonnage	770.6	803.17	4.2%	5,603.61
Curbside collection fee	\$90,040.75	\$92,741.92	3.0%	\$649,193.44

Recycling Budget	
FY 17/18 Budget	\$1,112,903.00
Amount expended	\$649,193.44
Percent Remaining	41.7%

MSW and Recycling Revenues				
MSW and Recycling Revenues	Previous FY: Jan-18	Current FY: Jan-19	Change	FY 17/18 Cumulative
Transfer station tip fees	\$31,613.60	\$34,877.80	10.3%	\$291,324.50
Recycling revenue (curbside)	\$12,919.20	\$13,246.63	2.5%	\$92,847.48
Recycling revenue (T.S.)	\$566.30	\$808.85	42.8%	\$5,215.70
Total revenues	\$45,099.10	\$48,933.28	8.5%	\$389,387.68

C