



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, April 5, 2022

TIME: 7:00 P.M.

PLACE: By Video Conference and Teleconference

To allow public access, anyone may access a meeting by telephone, Zoom, and/or the City of Norwalk YouTube channel. Specific instructions and links can be found at:

norwalkct.org/meetings



Members of the public can call in and listen to a meeting. They will not be able to speak or see any of the meeting participants. Each meeting will use a unique Meeting/Webinar ID. Please find the information using the link above.



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Members of the public who wish to view the meeting, but are not participating, can view a live stream on the City of Norwalk YouTube channel. This stream is delayed by approximately 20 seconds. Please find the information using the link above. The meeting recording and minutes will be posted on the City of Norwalk website within seven (7) days after the meeting.



Members of the public who wish to provide public comment are encouraged to submit those via email in advance of the meeting. For these comments to be read into the record, they should be submitted at least three hours in advance of the meeting start time. Please email Monique Cipriano at mcipriano@norwalkct.org to provide written public comment prior to the meeting.

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 Tuesday, March 1, 2022.

2. Technical Correction of the Common Council Action of April 13, 2021, Item VII.C.5 to add accounts designated for the Walk Bridge Program – 0301-0515NP Project, including the P.A.L., enclosed with this agenda whereby the City of Norwalk will transfer funds in the amounts of \$3,750,000.00 on May 30, 2021, \$1,875,000.00 on July 1, 2022, and \$1,875,000.00 on July 1, 2023, to fund the undergrounding of utility lines on East Ave from Fort Point Street to Olmstead Place to be performed by Conn DOT. Account No. 09 22 4021 5777 C0471 and 09 23 4021 5777 C0471.

Account No. 09 19 4021 5777 C0471
09 20 4021 5777 C0471
09 21 4021 5777 C0471
09 22 4021 5777 C0471
09 23 4021 5777 C0471

3. Authorize the Purchasing Agent to issue a purchase order to Gabrielli Truck Sales of Milford for the purchase of (1) one 2023 Mack GR42F Plow Truck for an amount not to exceed \$265,043.00.

Account No. 09 22 4031 5777 C0313

4. Authorize the Mayor, Harry W. Rilling, to execute an Acknowledgement and Consent to the Assignment and Assumption of a Certain License Agreement Dated July 8, 1982 for Retaining Wall located at 27 Soundview Avenue, Said Assignment and Assumption by and between Kepler Dort and Margarette Dort, as assignor(s), and Jennifer Meagher and Dylan Sauerwald, as assignee(s).
5. Technical Correction of the Common Council Action December 14, 2021, Item VII.D.7a to add accounts designated for Colonna Concrete & Asphalt Paving LLC for Project DRG2021-1 Dreamy Hollow/Betts Brook Area Drainage, Sanitary Sewer & Water Main Improvements. Account numbers 13 40 10 5796 APW01 and 13 40 10 5796 APW06.
6. Technical Correction of the Common Council Action December 14, 2021, Item VII.D.7b to add accounts designated for Colonna Concrete & Asphalt Paving LLC for Project DRG2021-1 Dreamy Hollow/Betts Brook Area Drainage, Sanitary Sewer & Water Main Improvements. Account numbers 13 40 10 5796 APW01 and 13 40 10 5796 APW06.
7. Technical Correction of the Common Council Action October 12, 2021, Item VII.B.7 to add accounts designated for Woodard & Curran to provide on-call professional engineering services for the Storm Drainage System Evaluation, Glendenning Street. Account number 13 40 10 5796 APW02.
8. Technical Correction of the Common Council Action October 12, 2021, Item VII.B.8 to add accounts designated for Woodard & Curran to provide on-call professional engineering services for the Storm Drainage System Evaluation, Glenwood Avenue. Account number 13 40 10 5796 APW03.
9. Technical Correction of the Common Council Action December 14, 2021, Item VII.D.8 to add accounts designated for Woodard & Curran to provide Construction Administration Services associated with Dreamy Hollow/Betts Brook Area-Drainage, Sanitary Serwer, & Water Main Improvements. Account numbers 13 40 10 5796 APW01 and 13 40 10 5796 APW06.

10. Technical Correction of the Common Council Action February 8, 2022, Item VII.C.1 to add accounts designated for Tighe & Bond Inc. for Professional Engineering Services for Project 4177/DRG2022-1 Design and Permitting for Lockwood Lane & Heather Lane Storm Drainage Improvements. Account number 13 40 10 5796 APW04.
11. Technical Correction of the Common Council Action September 14, 2021, Item VII.C.4 to add accounts designated for Almstead Tree and Shrub Care Company LLC for the supply of planting trees and shrubs. Account number 13 40 10 5796 APW08.
12. Authorize the Mayor, Harry W. Rilling, to execute a Sixth Amendment to the August 28, 2007 Agreement for Professional Engineering Services between the City of Norwalk and A. DiCesare Associates, P.C., regarding the East Avenue Reconstruction Project, for an amount not to exceed \$100,000.00 in accordance with the attached scope of services date March 30, 2022.

Account No. 09 22 4021 5777 C0471
09 21 4120 5777 C0598
13. Authorize the Mayor, Harry W. Rilling, to concur with Project Authorization Construction Letter dated March 30, 2022 and issued by the State of Connecticut Department of Transportation for State Project 102-360 Traffic Signal Upgrades and Installation of Dynamic Message Systems.

Information / Discussion

A. Information

1. Walk Bridge Program Progress Update

Upcoming Projects

Adjournment

Next Meeting:

Tuesday, May 3, 2022
Public Works Committee
7:00 P.M. Location TBD



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
March 1, 2022**

ATTENDANCE: Barbara Smyth, Chairwoman; Tom Keegan; Tom Livingston; Lisa Shanahan; Dominique Johnson; Nora Niedzielski-Eichner; Darlene Young

STAFF: Anthony Carr, Chief of Operations and Public Works; Vanessa Valadares, Principal Engineer; Paul Sotnik, Senior Civil Engineer; Daniel Stanton, Senior Civil Engineer

The meeting was called to order at 7:02 p.m. A quorum was present.

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Chairwoman Smyth called to order the Public Works Committee meeting on Tuesday, March 1, 2022. She stated that the meeting is being done by video conference. She announced all the committee members by name. A quorum was present.

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.)

There was no public participation.

NEW BUSINESS

1. APPROVE THE MINUTES OF THE PUBLIC WORKS COMMITTEE MEETING OF TUESDAY, FEBRUARY 1, 2022.

There was no report on this item.

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

2. AUTHORIZED THE MAYOR, HARRY W. RILLING, TO ENTER INTO MAINTENANCE AGREEMENT NO. 11.23-01(21) WITH THE CONNECTICUT DEPARTMENT OF TRANSPORTATION TO MAINTAIN GRANITE CURBING, CROSSWALKS, PLANTINGS, AND OTHER NON-STATE STANDARD APPURTENANCES REQUESTED BY THE CITY AND INSTALLED WITHIN THE STATE RIGHT-OF-WAY AS PART OF ENCROACHMENT PERMIT NO. 3019477 ISSUED TO NORWALK LAND DEVELOPMENT, LLC.

Mr. Carr reported on this item. This agreement is to authorize the Mayor to allow CONNDOT to work on their ramps in areas outside of their right-of-way. This would give them permission to allow right-of-way items to be installed such as concrete curb, granite curbs and sidewalks.

Ms. Valadares added that the work has already happened. During the development of the Mall and part of the approval plan for that development, the City requested through Land Use, some improvements on I-95, exit 15 Northbound. She stated that is the reason for the traffic light there and the brick paver crosswalk and shrubs. This was installed by the Mall as part of the approved plan. Now it is not the City's right-of-way, it's the State's right-of-way. The City asked permission to allow the Mall to install with the caveat that the City will be maintaining. All that is left to do is sign the agreement and they also wanted to inform the Committee that they are responsible for the maintenance of those improvements that were asked during the plan review process that the Mall installed. There was no cost to the City, however they will be responsible for maintenance within the State right-of-way.

Mr. Livingston asked about the location and if it was next to the Mall up on I95.

Ms. Valadares answered correct.

Mr. Livingston asked and there is a sidewalk there.

Ms. Valadares said yes, the sidewalk there is not the issue but across from the Mall is where the State right-of-way is, so they asked them to install granite curb to match what they have on West Avenue and there is a crosswalk there as well. They asked for the brick pavers and some shrubs as well. She said they just need to maintain that and that is planting the crosswalk and the granite curbing.

Ms. Niedzielski-Eichner asked for clarification about the Mall installation and asked if the Mall has maintenance responsibilities or a responsibility to pay them back for the maintenance.

Ms. Valadares responded no that is the part of the agreement. She said the City saw that as an opportunity to improve and carry over the same standards they have with West Avenue. She said during the plan review they asked that it be approved as part of the process so they could carry over that extra block with the caveat that the City will maintain.

Ms. Niedzielski-Eichner thanked her and said she is glad that they pushed for that because it is nice to have the consistency.

****MS. SHANAHAN MOVED THE ITEM**

****MOTION PASSED UNANIMOUSLY**

- 3. AUTHORIZE THE MAYOR, HARRY W. RILLING, TO EXECUTE AN AMENDMENT TO THE MARCH 29, 2021 AGREEMENT BETWEEN THE CITY OF NORWALK AND AI ENGINEERS FOR PROJECT NO. DPW2021-1 ON-CALL ENGINEERING SERVICES. THE AMENDMENT IS TO EXTEND THE AGREEMENT FOR A PERIOD OF ONE (1) YEAR AT A SUM NOT TO EXCEED \$100,000.00, BILLABLE ON AN HOURLY BASIS WITH AN OPTION TO EXTEND FOR ONE (1) ADDITIONAL TERM FOR ONE (1) YEAR.**

ACCOUNT NO.	01 40 30 5258
	09 22 4021 5777 C0021
	09 21 4021 5777 C0234
	09 22 4021 5777 C0234
	09 22 4021 5777 C0315
	09 21 4021 5777 C0440
	09 22 4021 5777 C0440
	09 22 4021 5777 C0471
	09 17 4021 5777 C0526
	09 19 4021 5777 C0617
	09 20 4031 5777 C0617
	09 21 4021 5777 C0617
	09 22 4021 5777 C0617
	09 20 4027 5777 C0643
	09 21 4021 5777 C0643
	09 22 6030 5777 C0643
	09 21 6030 5777 C0365
	09 22 6030 5777 C0365
	09 22 6030 5777 C0367
	09 22 6030 5777 C0588
	09 20 6030 5777 C0657

Mr. Carr reported on this. He said that item #'s 3, 4, and 5 are associated with one another and those items consist of DPW's On-Call Engineering Services. They utilize three (3) different consultants, AI Engineers, Weston & Sampson and Tighe and Bond. They each have their specialty and a variety of disciplines that helps assist DPW for specialty items or even some day-to-day work that staff cannot cover or allocate resources to the original agreements which were approved on 2/9/21 with an option to extend for two (2) terms of one (1) year each. Mr. Carr said they are respectfully requesting the Committee's recommendation to the full Council to support the extension of \$100,000 each to support a lot of the capital projects and a lot of

different issues that may come up. They are providing the services in lieu of having the additional staff required to perform that work.

****MS. NIEDZIELSKI-EICHNER MOVED THE ITEM**

****MOTION PASSED UNANIMOUSLY**

4. **AUTHORIZE THE MAYOR, HARRY W. RILLING, TO EXECUTE AN AMENDMENT TO THE MARCH 29, 2021 AGREEMENT BETWEEN THE CITY OF NORWALK AND WESTON & SAMPSON ENGINEERS, INC. FOR PROJECT NO. DPW2021-1 ON-CALL ENGINEERING SERVICES. THE AMENDMENT IS TO EXTEND THE AGREEMENT FOR A PERIOD OF ONE (1) YEAR AT A SUM NOT TO EXCEED \$100,000.00, BILLABLE ON AN HOURLY BASIS WITH AN OPTION TO EXTEND FOR ONE (1) ADDITIONAL TERM FOR ONE (1) YEAR.**

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	09 17 4021 5777 C0526
	09 19 4021 5777 C0617
	09 20 4031 5777 C0617
	09 21 4021 5777 C0617
	09 22 4021 5777 C0617
	09 20 4027 5777 C0643
	09 21 4021 5777 C0643
	09 22 6030 5777 C0643
	09 21 6030 5777 C0365
	09 22 6030 5777 C0365
	09 22 6030 5777 C0367
	09 22 6030 5777 C0588
	09 20 6030 5777 C0657

Chairwoman Smyth reiterated that it was noted this particular contractor, Weston and Sampson, are good with permits.

Mr. Carr responded yes.

Ms. Young asked how long they have been operating like this.

Ms. Valadares replied one (1) year. She said this is the first year and they have used all of the allocated funds. She said in the Summer there is a list of projects that they can help them with, and this is the first extension with a second one-year extension.

Ms. Young asked if this was different from the other types of contractual agreements they go into for other areas.

Ms. Valadares responded correct. She said in the past they put out an RFQ (request for qualification), and then they engaged three (3) companies. She said depending on the service, if they need to outsource, they will send out task orders to each one. She explained how each company may have a certain expertise that they can use for a project. She gave the example of

Weston and Sampson being good on permitting with CONNDOT and all of that. She said anything related to those issues will be given to Weston and Sampson most of the time. It is not a big contract and \$100,000.00 goes really fast. If they have a major project, they will put out an RFP. She said this contract allows them to get some of the smaller tasks done that unfortunately sometimes they don't have the staff to do during their busy season.

Ms. Niedzielski-Eichner asked if this is something more preferable to have those consulting services on-call because they have particular expertise and don't need full-time or is it a stop gap to make up for the fact that the department is understaffed.

Ms. Valadares answered that it is kind of a combination. Some of these companies have the expertise and it would be very hard to hire a whole department with that type of expertise and it is also good to have extra hands. She gave an example about plan reviews stating they could send them to one of the companies to review, especially during their busy season so they can meet their deadline. She said those companies are very familiar with their drainage manual and can review the plans within three (3) to four (4) days.

Ms. Niedzielski-Eichner said thinking long-term in terms of their needs, and asked if there was a sense of 50/50, extra expertise versus hands that could be replaced by a staff member if you had them, is it 80/20.

Ms. Valadares said it is more like 50/50 as of now and that may change.

Chairwoman Smyth said that they talked about this last month with another contract for consulting where they asked the same question because that is something that would come up year after year with Public Works, is it more helpful to have a junior engineer. She recalls that Ms. Valadares said last month things have changed in that arena and it is actually more efficient dollar wise to hire out.

Mr. Carr added that if you hire a junior engineer with salary and benefits it will cost the City anywhere from \$75,000 to \$90,000 if you include the benefits and it may even be higher than that so hiring a contractor for \$100,000, you are really getting a junior engineer with benefits. The thing is they will be coming in as a junior engineer so the \$100,000 with each of those consultants, there are different staff types as outlined in their proposals. There are staff that are specialized and ready to be deployed and dedicated to the many needs of their municipal clients. The new junior engineer would have to be trained which isn't a bad thing, but it is still one (1) body, one (1) staff where with a \$100,000 there would be a multitude, an array of various disciplines and various skill sets of different staff working on different projects. Every municipality does this because otherwise the output will not be as desirable or there will be a lot of input and not as much output. He said the construction inspector, Tighe & Bond are very good at drainage and their pavement program so they tend to use them, but they will use the others for different projects. He said it is good to spread the wealth and keep them honest at the same time. Having the three (3) vendors at their disposal, all of whom they have a good relationship with, really broaden what they can do. He mentioned that the third party could serve as a buffer for the City should they end up in litigation so they will have the third party looking at this and they have their technical expertise and their forensic engineers as well. So

if there is ever an issue structurally, a failure, they would partner with them, they will have an independent third party verifying the work, so it covers them. He said they have an on-call drainage contract where the contractor goes and repairs the drainage in advance of paving, on-call surveying, and on-call engineering. He said with the level of service that is not diminishing and the requests that are coming in, those on-call contracts really are the backbone of keeping engineering flowing.

Ms. Valadares added that when they are using a company, they don't just have one (1) person working on a project. They also have two (2) drafters that are in-house that are kept busy at all times. When you are working on a project besides engineering, you will need someone that can draft a drawing in AutoCAD or complete the surveying and with a company, there will be staff that will be able to complete those services instead of hiring just one (1) person and run the risk of that person not being able to do the tasks associated with what they give them to do.

Chairwoman Smyth thanked them for the explanations given and said that it was very helpful to know moving forward.

****MS. YOUNG MOVED THE ITEM**
****MOTION PASSED UNANIMOUSLY**

- 5. AUTHORIZE THE MAYOR, HARRY W. RILLING, TO EXECUTE AN AMENDMENT TO THE MARCH 29, 2021 AGREEMENT BETWEEN THE CITY OF NORWALK AND TIGHE & BOND, INC. FOR PROJECT NO. DPW2021-1 ON-CALL ENGINEERING SERVICES. THE AMENDMENT IS TO EXTEND THE AGREEMENT FOR A PERIOD OF ONE (1) YEAR AT A SUM NOT TO EXCEED \$100,000.00, BILLABLE ON AN HOURLY BASIS WITH AN OPTION TO EXTEND FOR ONE (1) ADDITIONAL TERM FOR ONE (1) YEAR.**

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	09 21 4021 5777 C0617
	09 22 4021 5777 C0617
	09 20 4027 5777 C0643
	09 21 4021 5777 C0643
	09 22 6030 5777 C0643
	09 21 6030 5777 C0365
	09 22 6030 5777 C0365
	09 22 6030 5777 C0367
	09 22 6030 5777 C0588
	09 20 6030 5777 C0657

There was no report on this item.

****MS. JOHNSON MOVED THE ITEM
MOTION PASSED UNANIMOUSLY

- 6. AUTHORIZE THE MAYOR, HARRY W. RILLING, TO EXECUTE THE FIRST AMENDMENT TO THE AGREEMENT BETWEEN THE CITY OF NORWALK AND FREEMAN COMPANIES DATED FEBRUARY 27, 2019 TO PROVIDE PROFESSIONAL ENGINEERING SERVICES FOR THE EMERGENCY RECONSTRUCTION OF THE ROWAYTON AVENUE BRIDGE IN ACCORDANCE WITH SCOPE OF SERVICES EXTRA WORK ORDER NO. 4 "BRIDGE PRESERVATION AND REHABILITATION OF CITY-OWNED BRIDGES RECONSTRUCTION OF BRIDGE NO. 102-009 ROWAYTON AVENUE OVER KEELERS BROOK" DATED DECEMBER 1, 2021 (COPY INCLUDED) FOR A SUM NOT TO EXCEED \$150,000.00.**

ACCOUNT NO. 09 22 4021 5777 C0315

Chairwoman Smyth stated that this has been an ongoing project and they are hoping that they are nearing the end. She asked Mr. Carr to give the Committee the specifics.

Mr. Carr stated this is a continuation of work that is already being performed for the replacement of the Rowayton Avenue Bridge over Keelers Brook. Freeman Companies was the company that originally came out and assessed the emergency conditions where the pavement failed, and the concern arose in early 2021. This is just a continuation of works and this is why it is the first amendment of the first contract change to provide design services and basically carry the Rowayton Avenue Bridge Replacement Project to construction. He said this is everything they need from the contractor to build and construct the project, and this is just professional services related to the engineering and design to prepare a set of plans that is buildable, constructable for the contractor that is FGB. The Rowayton Avenue Bridge did receive local permitting from the Conservation Commission, City of Norwalk and they also did receive Connecticut DEEP approval and they are still awaiting Army Corps permitting which is the federal portion. They placed the order for the precast concrete box culvert which is going to replace the existing stone arch masonry and half metal pipe because the culvert is two (2) different materials that goes underneath the Rowayton Avenue Bridge. He said they released that to United Concrete for fabrication two (2) weeks ago and that was pending their receipt of the permanent approval from Connecticut DEEP, and they didn't want to go ahead and release the box culvert to cut to United Concrete for fabrication if the State was going to possibly reject so they waited for the State approval. They believe they will receive the Federal approval for permitting needed to commence. He said the construction should begin hopefully in March 2022 and they are hopeful that based on the six (6) to eight (8) week lead time for the concrete box culvert, that they project could be constructed in May 2022. There may be weather and other delays that push it a little later, but the critical path item is the delivery of the culvert. FGB will be performing site work and site preparation in advance of placing that culvert and some of that work includes relocating utilities and/or utility poles, stripping the pavement and mobilization to get the equipment on board. There are things the contractor will

do to set up and prep prior to the delivery of the culverts. Once the culverts are in, there will be a crane involved because they have to pick and set each section when they install the culvert along the brook. They are making great progress. Mr. Carr commended Ms. Valadares, Mr. Sotnik, and the team for really sticking with this. He said they worked feverishly. He said they were unable to place the order for the culverts until they at least had approval from the State.

Ms. Valadares stated that the order was placed but the process is the contractor has to submit shop drawings. The drawings usually take a good six (6) weeks so when the contractor produced the drawings, they placed the order. After that, they have to approve the drawings and once approved it goes into manufacturing the culvert and that's the part that they hold. They held it for a week or two (2) until they received the confirmation and once, they received them, they released the shop drawings. She said they gained a lot of time. They placed the order after it was approved back in December and then they worked on the shop drawings and held on to them until Connecticut DEEP approved. In the meantime, they stalled the contractor until they received approval and didn't lose their place on the list for the order. They have already begun some utility work with installing new polls on the new locations as of last week.

Mr. Livingston asked how long the actual project takes once they receive the culverts.

Ms. Valadares answered eight (8) to 12 weeks. She said they do not have a date yet for the delivery but should have it soon and they do not want to push since they do not have the other permit. Soon as they received the permit, they will go after the culvert to really set up the delivery date.

Mr. Livingston said they appreciate it.

Chairwoman Smyth asked if they are expecting the Army Corps permit within a week or so.

Ms. Valadares responded that they should be getting it soon. She said there was another item that was required from the SHPO because it was a historic bridge, so they needed that approval first and they received the approval last week, so they sent it to them. There shouldn't be anything else holding them up. Mr. Sotnik will call to check on the status and by the next meeting they should have a delivery date of the culverts.

Chairwoman Smyth thanked Mr. Sotnik for his persistence.

****MS. SHANAHAN MOVED THE ITEM**
****MOTION PASSED UNANIMOUSLY**

INFORMATION / DISCUSSION

A. DISCUSSION

1. ROWAYTON AVENUE BRIDGE

Previously reported under Item 6.

2. WINTER OPERATIONS REPORT

Mr. Carr reported on this. He stated that they are coming to a close of the Winter Season although March is always a tricky month. To date, they have had 12 storm events and they call it an event when they have to call staff in, and they have to salt the City. Over the course of those 12 storm events, they have accumulated 29 inches of snow, approximately one to two inches of sleet (ice, frozen rain mixture). Things get complicated with that type of mixture for snow removal winter operations. He said that they can't not salt because that would lead to treacherous road conditions. They have used approximately 2,400 tons of salt. He gave them some stats. Their salt shed holds can hold up to 7,000 tons of salt but that is if you fill it to the top. They have to be able to get the equipment in there, loaders to take it out, scoop it out, dump it into the dump trucks. They don't typically keep the salt shed at full volume, so they keep it at about 5,000 tons. They have used about half of the salt that they have in the shed. Mr. Torre stays on top of that and is always ordering more salt for the snowstorms. He said they have plenty of salt and are currently under their salt budget for the year and the overtime budget for snow removal is on par. He said fiscally and also based on the season, their overtime budget and the funds expended do match up and align with what they had anticipated. They maintain 625 lane miles of City roadway. A lane mile is basically the length of each lane. They have 255 centerline miles. For snowplow purposes, the 625 lane miles is more pertinent and more important because they have to salt each lane per mile. In the last 12 months, they have used about 200 tons per storm. He said they typically use between 150 to 200 tons a storm up to maybe 900 if it's continuous, 12 inches or more and maybe with a combination of snow and sleet. They can use from 200 to 900 tons of salt per storm, but they typically hover over 200 to 300 per storm. Each dump truck holds about three to five cubic yards of salt. One cubic yard of salt is equivalent to 1 ton of salt. Ton equals weight and cubic yard equals volume. He stated that they also maintain 20 facilities, City Hall and 19 school facilities that they have to clear, salt, treat, and plow. He said no matter how much snow accumulates; it is always the same level of effort. Mr. Carr gave kudos to the Operations Department. He said this Winter had a lot more freezing rain and that slicked surface and they had been very conservative but if they think the road is going to be wet or have moisture, they have staff on-call. There have been instances that if a storm was due to come, they would have a skeleton crew stay back, a supervisor and two (2) or three (3) trucks just to spot/solve the trouble areas like hospital hill, the shady or colder areas north of the Merritt Parkway, Silvermine/Cranberry area. He said the northern parts of the City tend to have microclimates and the pavement temperatures vary anywhere from two (2) to five (5) degrees in the North End of the City versus the South bend. It could be melting in South Norwalk, but you could have a layer of ice in Northern Norwalk. He said his hat is off to the Operations Department, Mr. Torre does a fantastic job managing the effort, the foreman, Dilene Byrd is there the whole time as well as a dispatcher. He said it all comes together. He said that some of the Council Members came for a ride, others stopped down and they appreciate that, and he thanked them for their recognition. He said that means a lot and it is definitely received by the Department, and they appreciate that.

Chairwoman Smyth stated that they appreciate their work and said they do a great job always.

Ms. Johnson said that she is on the edge of Route 15 microclimate and during both of the ice storms they all were fantastic, and she just wanted to thank them again. She said it got really slick and DPW made it safe for everyone to go to work and school. She said every time she sees a plow she waves.

Ms. Niedzielski-Eichner commented that there is a YouTube video on how miserable it is to plow that was put up several years ago and she wanted to applaud all of them. She said it has been beautiful this year, everything had been plowed to a tee. She said whatever misery it may cause the drivers; they have done a spectacular job and they are really grateful. It has been a difficult winter with all the icing down the hill and it had just been like flawless, and they are really grateful.

Mr. Carr thanked her.

B. TREE OPERATIONS REPORT AND PROGRAMMING

Mr. Carr reported on this. Due to the weather, they have not planted any new trees. They are coordinating future plans for planting which would be shared in upcoming meetings. He said he wants to focus this on the status of the Eversource permit and their pending tree maintenance work which will occur in Spring and once the weather changes for the better. There is a site visit scheduled for this Friday morning at 8:30a.m. in Rowayton. Eversource representatives, specifically Sandberg, to walk the arborist and walk the site with the Tree Warden; Mr. Torre, and Deputy Tree Warden and Senior Engineer; Mr. Sotnik to go over the scope of work and figure out exactly what they are doing as far as their maintenance operation and each specific area that they will be working. For example, are they pruning the trees, is it a light trim or a removal? They do not have a final list of the actual removals as of yet. Once they receive the finalized list, they will share with the Committee. He said even though their Tree Ordinance requires a one-for-one replacement of removed trees, oftentimes the replaced tree cannot be planted in the same spot because of the trunk system, roots, and a lot of times the trunk/stump is left in place. They could plant new trees in similar areas as long as there are no utilities or other conflicts. They are working with Eversource very diligently and they want to convey the message that they do not want to remove trees unless they absolutely have to, the asset is dead, or it could pose a serious health condition. He talked about over pruning trees by Eversource could be the City's liability. He said they have put a pause from using herbicides and pesticides on the trees and that has been tabled indefinitely. Eversource will be walking the site along with Councilwoman Shanahan and Council President Livingston. He said they will get a taste for what to look for in the trees and Eversource documents the condition of the trees. He said they will be there as a third party and if there is a pruning, they may agree or disagree but if there's a proposed removal, they will either concur or disagree. There will be experts there that know if the tree should be removed, and it is not Eversource unilaterally just tagging the tree. Eversource cannot tag a tree unless the Tree Warden or Deputy Tree Warden are all in agreement that the tree is dangerous, dead, not healthy, or there's an absolute need for removal. DPW is working with Eversource to find a healthy balance in regard to the trees. If trees are removed, there

is a sufficient or an adequate amount of replanting. They are working their hardest to get a one-

to-one replacement. He explained to the Committee if they are unable to it is due to cost or the fact that they could utilize their PURA abilities, which is a State mandate. He said they are working to get the best they can for the City.

Mr. Sotnik mentioned that in the past during a walk through, Eversource wanted to take down 11 trees and they were able to negotiate that down to just one (1) tree. He said that Mr. Ortiz will review the request and then post it. They cannot remove anything until it has been agreed to. He said as long as the tree is safe and in the best interest of the City, they will continue to talk them down from any removal.

Ms. Shanahan thanked Mr. Carr and Mr. Sotnik for fighting for their trees. She said she loved hearing Mr. Carr call the trees, their assets because that is how she views them. She thinks that is fantastic and really appreciates the City working so hard to keep the canopy as full as it can and convincing Eversource not to use that chemical that they came to find out is completely toxic to fish which is horrific for a City on the water like theirs. She stated that she will try not to be difficult at the Friday meeting.

Mr. Carr encouraged her to ask the hard questions at the meeting regarding trees. He said they are the experts so she should ask anything to get better clarification.

Chairwoman Smyth mentioned that she went on a walk regarding the trees and although it was a small area, two (2) trees needed to be removed and there was no doubt the tree was dead. She said Mr. Sotnik was knocking on the tree and took out his tape measure to check the tree. The tree was threatening the power lines and a house so that tree had to come down and the other was an Ash Tree which is one of the last few living in the State. She was impressed with Sam when Mr. Torre said they do not want him using any herbicides until they say it's okay and Sam agreed. She thinks they are doing their very best to work with them.

Mr. Carr responded that's good. He is very familiar with Mr. Sotnik on site walks, and he knows he will take out that hammer. He said it gives a person perspective when they hear it's hollow at the base of a tree. He explained how much goes into taking down a tree. He said Eversource doesn't want to do that either. It prolongs the operation, they have to pay a contractor and it is not easier to just take down a tree, it is actually a lot of work. It is ideal to prune and leave the tree there.

Mr. Sotnik agreed with Mr. Carr. He said like Chairwoman Smyth said, it is pretty interesting when you think a tree is solid and you put a tape measure a foot or two under it where it is all rotted, you don't realize what is holding the tree up or in that case not holding it up.

Chairwoman Smyth appreciates Mr. Carr and his efforts to work with Eversource. She understands one-to-one replanting is not going to happen but get as close as they can and be mindful about what they are able to replant and have them replant.

Ms. Johnson thanked Mr. Carr for that piece on PURA as she found it interesting. She asked about the trees on City property and wanted to know if the tree fund is applicable and if Eversource then could be an entity that would donate to their tree fund and having a one-to-one depending on where the tree is.

Mr. Carr said that is certainly a possibility. He said they can certainly ask them as it is not outside of their fiscal purview. He said mechanically and procedurally they could accept the money from Eversource. He said that is what the tree fund is exactly meant to do. It might be easier for Eversource instead of them going through Almstead contracts. He said that would definitely be a good use for it and it might actually benefit them for not having to worry about installation and the labor and the materials, it is also one (1) less thing for them to manage. If Eversource is amendable to it, they will certainly raise that to them at their meeting tomorrow and might just be easier for them to write a check.

Ms. Johnson said she will refer all things tree to Councilwoman Shanahan, and she thanked Mr. Carr.

Ms. Shanahan said she loves it.

C. MONTHLY SOLID WASTE REPORT – JANUARY 2022

Mr. Carr reported on this. Compared to January 2021, volumes and weights continue to decline. March 2020 they kicked Covid 19 pandemic off. He said by January 2021 that was the midpoint and they were very much into the throes of Covid 19 and that was a good benchmark to see. 2021 was a year later into the pandemic. Comparatively looking back from where they are now, the numbers are all negative meaning that their percent decreases the amount of recycling and it's down unfortunately. The amount of garbage is down also. All the numbers are trending down which isn't a bad thing either because that is also less that they have to pay for the garbage to go out which right now they pay \$95 per ton. They were operating at a high norm, and they are returning back to pre-pandemic levels but still operating a little higher than before the pandemic. The recycling revenue is down which is a little disheartening because you would think with more people home, they'd want to recycle more but unfortunately, they are not. Garbage is down, likely because of people returning to work and returning to the office and they will continue to monitor that, but they are returning to normalcy.

D. FOOD SCRAP DROP-OFF REPORT – JANUARY 2022

Mr. Carr reported on this. To date they have collected 94.73 tons of food scraps. He said this is a pilot program in its second fiscal year. The first fiscal year which ended June 30, 2021, they saw a split, the ratio between the Rowayton Community Center and the Transfer Station was approximately 65% to 35% respectively. 2/3 of the food scraps are being collected from Rowayton, the other 1/3 is being collected from the Transfer Station. They are still seeing that same number to date. For this fiscal year, July 1, 2021, to present day, they have 70% of the food scraps waste stream is collected from Rowayton Community Center and 30% is collected from the Transfer Station. If the operating budget is approved

as currently proposed, they have requested additional funding upwards in the amount of \$12,000.00 to supplement and subsidize a third location. Unless something changes would

likely be in the Cranbury Park Area. He said for both permitting reasons and because the program needs to be a staffed facility or has to have the ability to have staff oversee, collect and secure the area. He said they are excited because that third location will bridge the gap between the other two (2) locations and the City. They expect it to be very successful and he thinks the program is exceeding his expectations and they are really proud how quickly it came together. 100 tons is 200,000 pounds, almost a quarter million pounds of food scraps that would normally go to the municipal solid waste stream is now being used as compost.

Chairwoman Smyth asked assuming the operating budget goes through, and you have the funds, approximately when might we see the station at Cranbury Park.

Mr. Carr responded hopefully when the funds get approved July 1st, they will speak to the vendor about curbside compost and delivery of the toters. They would probably start out with just a few to see how much that location is using. They anticipate something similar to Rowayton and more than the Transfer Station. From that point, they will utilize social media to get the word out and at the meetings. He thinks before the end of the Summer that program would be set up and that third location will be active. He said there is not a lot of effort to do it, the vendor will drop off the 35-gallon toters, maybe more, they will do their marketing, advertising and public outreach and education and then the program is active as soon as they deliver the toters.

Mr. Livingston asked if there are any economies of scale that are getting price breaks if they open a new location.

Mr. Carr said there could be. He said they could certainly see if they would be willing to entertain a reduction in the cost per pickup. He said the program is managed by the number of times they have to come and pick up the bins. He thinks it's \$5 a toter and x number of weeks per month that they could pick up. They have eight (8) toters at the Rowayton Community Center and eight (8) toters at the Transfer Station and they pick up once a week on average then in the Summer, they will increase the collection due to the smell, heat, and temperature. Winter and Fall has a reduced collection, and, in the Summer, it is increased.

Mr. Livingston said it would be great if they could get some sort of break.

Ms. Shanahan said they have five (5) big toters now at the Rowayton Community Center. She asked how many kits they have leftover. She said they sold about 100 kits, but she thinks they have enough that it could part of their social media campaign. She said the kits are \$25 each.

Mr. Carr said they had purchased approximately 250 and sold 100 so they have at least 100 to 150 left. He said he could get that number and circulate to the Committee.

Ms. Shanahan said she would be happy to do one (1) afternoon with anybody who happens to be a Common Council Member from that district to sit and sell them. She said people found those really helpful and that is a good way to share the information.

Ms. Niedzielski-Eichner asked if Mr. Carr had any sense or information about the grocery stores, Costco, and the restaurants, if there is anyone doing industrial composting for their businesses. Is there any connection or tie-in that they could build on, coordinate and/or encourage people to start using that would also help potentially allow them to do economies of scale with their personal collection? She said she was curious whether or not that had come across his radar although she knows it is outside of his purview.

Mr. Carr said they haven't dealt much with the private entities. He said he could follow-up with Ms. Paladino and Mr. Torre. He said they do not have any visibility on if those private entities are participating in their own food scrap composting. He said they can continue to promote public outreach but there is nothing in their ordinance and he doesn't know the logistics of a private/public partnership of how that would work using the City funding. Right now, they do not have any commercial entities participating and no one has approached them.

Ms. Shanahan said that she could talk to Mr. Carr offline about it. She said she knows a little bit about it.

ADJOURNMENT **MS. SHANAHAN MOTIONED TO ADJOURN**
MOTION PASSED UNANIMOUSLY
MEETING ADJOURNED AT 8:08P.M.

NEXT MEETING: **TUESDAY, APRIL 5, 2022**
PUBLIC WORKS COMMITTEE
7:00 P.M. LOCATION TBD



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546



March 30, 2021

The Honorable Harry W. Rilling
Mayor
City of Norwalk
125 East Avenue
Norwalk, Connecticut 06851

Dear Mayor Rilling:

Subject: Project Authorization Letter – Construction
Walk Bridge Program
Advance Utility Project
City of Norwalk
State Project No. 0301-0515/515NP
Master Agreement No. 11.29-02 (12)
CORE ID No.13DOT027AA

The State of Connecticut, Department of Transportation (DOT), and the City of Norwalk (Municipality) have an existing Master Municipal Agreement for Construction Projects (Master Agreement). 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 DOT is responsible for the Administration of the Construction Project and the inspection services during construction. These services may include, but are not limited to, inspection, material testing, contract administrative oversight, and liaison with other governmental agencies to ensure satisfactory adherence to state requirements.

As part of the Walk Bridge Program's Advanced Utilities Project, the DOT is undergrounding utilities on East Avenue from Winfield Street to Fort Point Street in the City of Norwalk. This undergrounding is required as a preceding project for replacement of the New Haven Line Railroad Bridge over East Avenue, known as the East Avenue Bridge Replacement. The Municipality has incorporated municipal work into the Advanced Utilities Project extending the undergrounding of overhead utilities on East Avenue from Fort Point Street to Olmstead Place. The municipal work also includes undergrounding communication duct banks for private utility companies from Winfield Street to Fort Point Street.

The DOT will administer the construction for the municipal undergrounding on East Avenue. The Municipality will reimburse the DOT for the cost of the construction and inspection of the municipal undergrounding work. The Municipality is responsible to provide Design Services During Construction for the municipal undergrounding work.

The Municipality has agreed to provide roadway sweeping services for the entire limits of the project for the duration of the construction to address the removal of earth and other dust producing materials from paved surfaces for the purpose of allaying dust conditions. The Municipality shall have equipment capable of efficiently sweeping up earth and other materials from paved surfaces available and maintain this equipment in an operable condition. This equipment shall include suitable provisions for the application of water ahead of the sweeping brooms to prevent dusting, for the pickup, internal storage, and removal of sweepings, and for the cleaning of

2

areas of heavy accumulation beyond the capacity of the sweeper. The sweeping operations shall be under the direction of the DOT at all times. Sweeping shall take place at locations and times as directed by the DOT.

The Municipality shall be responsible for the total cost of the municipal work in the amount of Seven Million Five Hundred Thousand Dollars (\$7,500,000). In addition, any reimbursement for actual expenditures will be in accordance with the terms of the Master Agreement. If costs for the project exceed this amount, the Municipality will be informed and shall provide the additional cost. Enclosed is the estimated engineering cost breakdown for construction project activities.

The Municipalities overall cost of the project will be divided into three demand deposits.

The first Demand Deposit in the amount of Three Million Seven Hundred Fifty Thousand Dollars and No Cents (\$3,750,000) is due to the DOT for the Municipality's proportionate share of the projected costs. The Municipality shall receive an invoice for the Demand Deposit from the DOT's Revenue Accounting Unit once the Written Acknowledgement of the PAL is received by the DOT.

The second Demand Deposit in the amount of One Million Eight Hundred Seventy-Five Thousand Dollars and No Cents (\$1,875,000) will be due to the DOT for the Municipality's proportionate share of the projected costs. The Municipality shall receive an invoice for the second Demand Deposit from the DOT's Revenue Accounting Unit on July 1, 2022.

The third Demand Deposit in the amount of One Million Eight Hundred Seventy-Five Thousand Dollars and No Cents (\$1,875,000) will be due to the DOT for the Municipality's proportionate share of the projected costs. The Municipality shall receive an invoice for the third Demand Deposit from the DOT's Revenue Accounting Unit on July 1, 2023.

Please indicate your concurrence with the PAL by signing below on or before April 28, 2021 and return a copy to the Project Manager listed below at the letterhead address. Submission of the Written Acknowledgement of the PAL by fax or electronic transmission is acceptable. The Master Agreement and the PAL will be incorporated into one another in their entirety and contain the legal binding obligations of the Municipality with respect to the Construction Project. If you have questions, please contact Mr. John Hanifin, Project Manager, at (860) 594-2899 or at John.Hanifin@ct.gov.

Very truly yours,


Digitally signed by
James Fallon, P.E.
Date: 2021.03.30
09:58:48-04'00'

James A. Fallon, P.E.
Assistant Chief Engineer
Bureau of Engineering and Construction

Enclosure

MUNICIPALITY'S ACKNOWLEDGEMENT OF PAL

Concurred By: _____ Date: _____
The Honorable Harry W. Rilling
Mayor

cc: Anthony R. Carr, PE, CFM, Department of Public Works., City of Norwalk

PAL ATTACHMENT

STATE PROJECT NO. 0301-0515

ESTIMATED CONSTRUCTION COSTS

Municipality's Cost for Municipal Undergrounding ONLY

A.	Contract Items and Contingencies	\$7,000,000 ⁽¹⁾
B.	Incidentals to Construction – Municipal Project Administration	\$ 0
C.	Incidentals to Construction – Municipal Design Services During Construction	\$ 0
D.	Incidentals to Construction – Municipal Airport Operation Safety	\$ 0
E.	Incidentals to Construction – DOT Other Engineering Services During Construction	\$ 0
F.	Incidentals to Construction – DOT Project Inspection Services	\$ 500,000 ⁽²⁾
G.	Total Construction Cost (A+B+C+D+E+F)	\$ 7,500,000

⁽¹⁾ Fee rounded⁽²⁾ Fee rounded

John. D. Hanifin/jh

bcc: Scott A. Hill
James A. Fallon
Theodore H. Nezames
Bart Sweeney- John Hanifin
Mark M. Hayes-Scott Courtemanche
Christian F. Davis
DOT.FedBilling@ct.gov
Vincent P. Hogan- (note 3 demand deposits)
Laenny Fraticelli
Darren Meyers-Kelly Cain
DOT.EcyernalAudits@ct.gov
John D. Hanifin
Central Files

3. Approve the revisions to the City of Norwalk Department of Public Works Standard Detail Drawings noted as Final Approved Revisions, Drawings Dated March 2021, Approved by Anthony R. Carr, P.E. #28018, C.F.M., Chief of Operations and Public Works and Vanessa N. Valadares, P.E., #28346, Principal Engineer. **APPROVED**
4. Approve the revisions to the City of Norwalk Department of Public Works Roadway Standards Amended March 2021. **APPROVED**
5. Authorize the Mayor, Harry W. Rilling, to execute any and all necessary documents to Walk Bridge Program – 301- 0515NP Project, including the P.A.L., enclosed with this agenda whereby the City of Norwalk will transfer funds in the amounts of \$3,750,000.00 on May 30, 2021, \$1,875,000.00 on July 1, 2022, and \$1,875,000.00 on July 1, 2023, to fund the undergrounding of utility lines on East Ave from Fort Point Street to Olmstead Place to be performed by Conn DOT.
Account No. 09 19 4021 5777 C0471
09 20 4021 5777 C0471
09 21 4021 5777 C0471 **AUTHORIZED**

D. LAND USE AND BUILDING MANAGEMENT COMMITTEE

- 1a. Authorize the Mayor, Harry W. Rilling, to execute a Contract with Pinnacle Design Build LLC for Mill Hill Jail and Barn Site Accessibility Alterations – Phase 2 project for a total not to exceed \$221,749.00. Acct. #09196310 5799 C0374, 09196310 5777 C0430, 09216310 5777 C0521 **AUTHORIZED**
- 1b. Authorize the Historical Commission to issue Change Orders on Contract for a total not to exceed \$23,000.00. **AUTHORIZED**
2. Authorize the Mayor, Harry W. Rilling, to execute an Amendment to the License Agreement with Norwalk Seaport Association, Inc. for access to the Hope Dock from North Water Street Parking Lot, to extend the agreement period retroactively from February 1, 2021 to January 31, 2022. **AUTHORIZED**
3. Authorize the Mayor, Harry W. Rilling, to execute an agreement with Yankee Gas Services Company d/b/a Eversource Energy to provide natural gas service for the Jefferson Elementary School – Renovate as New Project for a total of \$76,276. Funds are available in Acct. #0919/20 5010 5777 C0619 **AUTHORIZED**
- 4a. Authorize the Mayor, Harry W. Rilling, to execute an agreement with Kaestle Boos Associates, Inc. to provide architectural design services for the new Norwalk High School project for a total not to exceed \$5,954,083.00 Acct. #09215010 5777 C0787. **AUTHORIZED**
- 4b. Authorize to establish a contingency for additional services as may be required for a total not to exceed \$297,704.00. Acct. #09215010 5777 C0787. **AUTHORIZED**
5. Authorize the Mayor, Harry W. Rilling, to execute any and all documents with the State Department of Economic and Community Development and act as the authorized representative of the City of Norwalk for the purpose of accepting and transferring funds to Rowayton Historical Society in an amount not to exceed \$37,000. **AUTHORIZED**



PO Box 3201, 401 Old Gate Lane (exit 40-195)
Milford, Connecticut 06460
Phone 203/877-3281 Fax 203/877-0614



3/14/2022

City of Norwalk
125 East Ave
Norwalk, CT. 06851

Attention: Joel Grant Fleet Services Manager

The current chassis on order 2023 Mack GR42F that was ordered September of 2021 has been scheduled for a scheduled build week of July 22nd 2023.

Due to the component shortages and supply chain disruption, the Truck Chassis and Equipment has incurred several unanticipated surcharges that have been listed below:

2022 Model Year Increase \$2,650.00
2023 Model Year Increase \$2,650.00
2022 Federal Carb + Emission New EPA Standards \$ 2100.00
2022 Material Surcharge \$ 3,500.00
2022 -23 Base Carb Emission Coverage Warranty Requirement 60months/350,000 Miles
Freight Charge Increase \$650.00

2021 Last Chassis purchase Price \$ 125,582.00

Additional Discount Applied (\$ 1306.00)
2023 New Chassis Purchase Price \$ 135,826.00

Equipment Service Body and Equipment

2021 Equipment Purchase Price \$ 106,382.00
2023 New Equipment Purchase Price \$ 129,217.00

2023 Mack Granite Model GR42F with Equipment mounted and supplied by Equipments Specialist including the surcharges listed above

Pricing Summary :

2023 Mack Model Chassis GR42F \$ 135,826.00

Equipment from Equipment Services \$ 129,217.00

Total Package \$ 265,043.00

CUSTOMER PROPOSAL



PREPARED FOR
CITY OF NORWALK
125 EAST AVE
NORWALK
CT 068515702
DATE
9/27/2021

PREPARED BY
GABRIELLI TRUCK SALES OF CONNECTICUT,
LL
277 NEW PARK AVE
HARTFORD
CT 06106-2949

QUOTE INFORMATION
GABR2021000188A463
GRANITE 42FR
Qty: 1





Thank you for giving us this opportunity to provide a quote.

This proposal contains the complete specification and performance details of the Mack model configured for your application. Every proposed spec from Mack is prepared with lowest total cost of ownership and highest return on investment as the key objectives for our customers.

This reflects Mack's focus on application excellence to deliver uptime and fuel economy, reduced maintenance, driver satisfaction, productivity and high resale value. The enclosed spec and recommendations have been carefully designed to meet all these objectives.

Beyond the technical specifications contained in this proposal, it's important to remember that each Mack truck is backed by Mack Connect, the industry's leading uptime and productivity solution, plus a coast-to-coast network of dealer service locations. I think that after reviewing this proposal you will realize why Mack is "The American Truck You Can Count On."

I look forward to meeting with you and to discuss any questions you might have regarding this proposal.

Yours sincerely

PREPARED FOR
CITY OF NORWALK
125 EAST AVE
NORWALK
CT 068515702
DATE
9/27/2021

PREPARED BY
GABRIELLI TRUCK SALES OF CONNECTICUT,
LL
277 NEW PARK AVE
HARTFORD
CT 06106-2949

QUOTE INFORMATION
GABR2021000188A463
GRANITE 42FR
Qty: 1

CHRIS STADLER

GABRIELLI TRUCK SALES OF CONNECTICUT, LL

TECHNICAL SPECIFICATION

GRANITE 42FR

			WEIGHT (LB)		LIST PRICE USD
APPLICATION PACKAGES		DESCRIPTION	FRONT	REAR	
PK70000	GRANITE AF CONFIG. PKG.	W/O GRANITE AF CONFIG. PKG.	0	0	500

			WEIGHT (LB)		LIST PRICE USD
CUSTOMER/VEHICLE INFO		DESCRIPTION	FRONT	REAR	
S	0029506	CHASSIS (BASE MODEL)	4,449	3,737	0
S	FACT-US8	ASSEMBLY PLANT	0	0	0
	MP20001	CUSTOMER FLEET SIZE	0	0	0
S	0130001	TYPE OF SERVICE	0	0	0
S	M981001	WARRANTY REGISTRATION LOCATION	0	0	0
S	5051701	INITIAL REGISTRATION LOCATION	0	0	0
S	5340001	LANGUAGE-PUBS/DECAL/SIGNS	0	0	0
S	RC-SMOOTH	ROAD CONDITION	0	0	0
	0059352	VEHICLE USE & BODY/TRAILER TYPE	0	0	0
	TRLR3	TRAILER TYPE	0	0	0
S	UGCW	GROSS COMBINATION WEIGHT (CA in PC29 only)	0	0	0
S	BREG94	BRAKE REGULATION	0	0	0
	T-FLAT	TOPOGRAPHY	0	0	0
S	ATU40	AMBIENT TEMP UPPER LIMIT (GTA)	0	0	0
	0320019	TERRAIN GRADE	0	0	0
S	0330010	LOADING SURFACE	0	0	0
S	0340202	VEHICLE VOCATION	0	0	0

			WEIGHT (LB)		LIST PRICE USD
ENGINE/TRANSMISSIONS		DESCRIPTION	FRONT	REAR	
	1001761	ENGINE PACKAGE, COMBUSTION	1,855	463	2,831
S	GHG-VOC	GHG APPLICATION, VEHICLE	0	0	0
	1364540	TRANSMISSION	732	245	13,720
S	UGGLT	GEARBOX 12TH GEAR LOCK-OUT	0	0	0

			WEIGHT (LB)		LIST PRICE USD
EXHAUST/EMISSIONS		DESCRIPTION	FRONT	REAR	
S	CIR0003	CARB 2008 IDLE REGULATION	0	0	0

PRICELIST DATE
20210104

QUOTATION
GABR2021000188A463

DATE
9/27/2021

PAGE
3 of 13

TECHNICAL SPECIFICATION (cont.)



				WEIGHT (LB)		LIST PRICE USD
EXHAUST/EMISSIONS	DESCRIPTION			FRONT	REAR	
S	DPF0111	DPF DIESEL PARTICULATE FILTER	CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US17 / US21	0	0	0
S	MCF0006	CHASSIS MOUNTED EMISSIONS FINISH	W/O DEF COVER & PAINTED DPF COVER	0	0	0
	DF12133	DEF TANK	8.7 GALLON (33 L) 26" LEFT SIDE FUEL TANK MTD	0	0	0
	1305101	EXHAUST	SINGLE VERTICAL RIGHT SIDE CAB MOUNTED, LOWER VENTURI DIFFUSER, TURNED END	-35	-17	388
	EXSTH29	EXHAUST STACK HEIGHT	9' 6" FROM GROUND	0	0	0
	EXMF-BS5	EXHAUST SYSTEM MATERIAL FINISH	SINGLE, BRIGHT FINISH STACK ONLY	0	0	74
	EOBD-U21	EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA2021	0	0	0

				WEIGHT (LB)		LIST PRICE USD
ENGINE EQUIPMENT	DESCRIPTION			FRONT	REAR	
	1250400	AIR CLEANER	UNDER HOOD SINGLE ELEMENT DRY TYPE W/AIR CONTROLLED INSIDE-OUTSIDE AIR INTAKE	0	0	417
	AIS-HORI	AIR INTAKE SOURCE	INSIDE/OUTSIDE AIR INTAKE W/ IN-CAB CONTROL FOR SNOWPLOWS	20	0	0
S	1219001	BUG SCREEN	BLACK ALUMINUM BUG SCREEN MOUNTED BEHIND GRILLE, WITHOUT WINTER FRONT COVER	0	0	0
S	1133418	AIR COMPRESSOR/DRYER	WABCO AIR DR SS-HP AIR DRYER W/ WABCO 318 (18.7 CFM) AIR COMPRESSOR	0	0	0
S	ADP-STD	AIR DRYER POSITION (CA)	W/O RELOCATION OPTION	0	0	0
	1321229	ALTERNATOR	DELCO 12V 145A (24SI) BRUSH-TYPE	16	0	27
	3165106	BATTERIES	(3) MACK 12V 1000/3000 CCA THREADED STUD TYPE	16	7	97
S	3930013	BATTERY BOX - MOUNTING	LH RAIL UNDER CAB FORWARD OF FUEL TANK (3 BATTERY MAX)	-8	-4	0
	BBOXC-AP	BATTERY BOX COVER	POLISHED ALUMINUM	5	0	76
	ESS-BBM	EMERGENCY START CONNECTIONS	EMERGENCY START STUDS, BATTERY BOX MOUNTED	7	0	102
	3180010	BATTERY DISCONNECT SWITCH	FLAMING RIVER BIG SWITCH WIRED TO POSITIVE SIDE	3	0	142
S	12STR-S2	STARTER MOTOR	12 VOLT DELCO 39MT-MXT	31	0	0
S	1100700	ENGINE BRAKE	MACK MP7 POWERLEASH	0	0	0
S	1180027	FAN DRIVE	BEHR FAN AND ELECTRONIC MODULATING VISCOUS FAN DRIVE	0	0	0
S	1192005	COOLANT PROTECTION	ETHYLENE GLYCOL FULLY FORMULATED COOLANT (50/50 MIX DYED PINK) TO -34DEG, W/ FILTER	0	0	0
	RADI-NL3	RADIATOR TYPE	RADIATOR, CORE AREA W/O FEPTO 1345sq in (86sq dm), CORE AREA W/ FEPTO 1296sq in (83sq dm)	0	0	0
	1249032	HOSES - RADIATOR/HEATER	SILICONE RADIATOR & HEATER HOSES W/BREEZE CONSTANT TORQUE CLAMPS ON ALL COOLANT LINES	3	0	290
	2931000	FUEL-WATER SEPARATOR	DAVCO 382, (FLUID HTD) FUEL HEATER/WATER SEPARATOR W/VENDOR PRIMARY	9	0	554
S	FPP-STD	PRIMARY FUEL FILTER POSITION (CA)	STANDARD FUEL FILTER POSITION	0	0	0
	MCA0054	ENGINE HEATERS	GRID HEATER + 120v 1500w BLOCK HEATER ONLY (120V-15A PLUG)	0	0	173
	110EBH15	ENGINE BLOCK HEATER	120V 1500W ENGINE BLOCK HEATER	5	0	0
	EST-AID	ENGINE STARTING AID	ELECTRIC PREHEATER	7	0	0
	OILS-ST2	OIL PAN	CORROSION RESISTANT OIL PAN	0	0	185

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				WEIGHT (LB)		LIST PRICE USD	
ENGINE EQUIPMENT		DESCRIPTION	FRONT	REAR			
	TDCP-P4	TETHER DEV PKG, CAPS & COVERS	CAP RETAINER FOR OIL FILL & RADIATOR OVERFLOW TANK, BATTERY BOX, AND TOOL BOX (IF FURNISHED)		0	0	34
S	UENGSTOP	ENGINE STOP, EMERGENCY (CA in PC29 only)	WITHOUT ENGINE STOP, EMERGENCY		0	0	0

				WEIGHT (LB)		LIST PRICE USD
CLUTCH/TRANS EQUIPMENT		DESCRIPTION	FRONT	REAR		
	4921003	GEAR SHIFTER	ALLISON DASH MOUNTED SHIFTER W/NEUTRAL TO RANGE INHIBIT (HD SERIES)	0	0	0
S	MCB0000	CLUTCH ACTUATION SYSTEM & PEDAL PAD	WITHOUT CLUTCH CABLE SYSTEM	0	0	0
	1951203	DRIVELINE - MAIN	MERITOR 18 MXL "XTENDED LUBE" (PROPS-L)	5	5	-792
	PSMUJ-HR	PROPELLR SHAFT MAIN, UNVSL JNT	UNIVERSAL JOINT HALF-ROUND TYPE	0	0	0
S	TTOR-B	TRANSMISSION OUTPUT TORQUE	TRANSMISSION OUTPUT TORQUE BASIC	0	0	0
S	BELLH-AL	BELL HOUSING	ALUMINUM	0	0	0
	LUBET-ST	LUBRICANTS, TRANSMISSION	TRANSYND SYNTHETIC LUBE FOR ALLISON TRANS	0	0	443
	1399009	TRANSMISSION OIL COOLER	ALLISON TRANS. W/DIRECT MOUNT COOLER & SS COOLANT TUBES	0	0	384

				WEIGHT (LB)		LIST PRICE USD
FRONT AXLE EQUIPMENT		DESCRIPTION	FRONT	REAR		
S	2401500	FRONT AXLE	18000# (8200 KG) MACK FXL18 (WIDE PIVOT CENTER) STRAIGHT SPINDLE/UNITIZED BEARINGS	325	0	0
	2442002	SPRINGS - FRONT	MACK MULTILEAF 18000# (8200 KG) GROUND LOAD RATING, EQUAL BIAS	120	0	91
S	2411105	FRONT AXLE BRAKES	MERITOR "S" CAM TYPE 16.5" x 6" Q+	29	0	0
S	BF-DRCAS	BRAKE, FRONT	CAST IRON	0	0	0
	FBRDUST	FRONT AXLE BRAKE DUST SHIELD	DUST SHIELDS FOR FRONT AXLE	5	0	27
S	FBADJ-AH	FRONT BRAKE ADJ. MANUFACTURE	HALDEX - AUTOMATIC	0	0	0
S	FBCM-MGM	FRONT BRAKE CHAMBER MFG.	FRONT BRAKE CHAMBER MANUFACTURER, MGM	0	0	0
S	HUBF-BAS	HUB MATERIAL, FRONT	FERROUS	157	0	0
S	FSHABS	SHOCK ABSORBER, FRONT	DOUBLE ACTING TYPE	0	0	0
S	2452213	STEERING	SHEPPARD SD110	111	0	0
S	LUBEF-PS	LUBRICANTS, FRONT AXLE	PETROLEUM/SYNTHETIC (50/50) OIL FRONT AXLE	0	0	0

				WEIGHT (LB)		LIST PRICE USD
REAR AXLE EQUIPMENT		DESCRIPTION	FRONT	REAR		
S	2522025	REAR AXLE - SINGLE	30000# (13600kg) MERITOR RS-30-185 SINGLE REDUCTION	0	221	2,007
	RACWD-ST	REAR AXLE CASING WIDTH	W/O WIDE TRACK AXLE	0	0	0
	0180000	CARRIER - REAR AXLE	VENDOR CARRIER	0	0	0
	RAT5.38	REAR AXLE RATIO	5.38 RATIO	0	0	0
	2601035	REAR SUSPENSION - SINGLE	30000# MULTILEAF W/HELPER NO ANTI-SWAY	0	150	497
	2531101	BRAKES - REAR	MERITOR CAM 16.5"x7" P BRAKES	0	31	-7

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				WEIGHT (LB)		LIST PRICE USD
REAR AXLE EQUIPMENT	DESCRIPTION			FRONT	REAR	
S	BR-DRCAS	BRAKE, DRIVE, REAR	CAST IRON	0	0	0
S	RBADJ-AH	REAR BRAKE ADJ MANUFACTURE	HALDEX - AUTOMATIC	0	0	0
	DBRDUST	DRIVE AXLE BRAKE DUST SHIELD	DUST SHIELDS FOR REAR AXLE	5	12	27
	RBCS3636	REAR BRAKE CHAMBER SIZE	REAR SPRING BRAKE CHAMBERS 36/36 TYPE	0	0	0
	3009005	REAR BRAKE CHAMBER	MGM TR-T; TAMPER-RESISTANT BRAKE CHAMBERS	0	0	-3
	HUBD-BAS	HUB MATERIAL, DRIVE	FERROUS	0	155	-257
	LUBER-SN	LUBRICANTS, REAR AXLE(s)	75W - 90 (SYNTHETIC LUBRICANT)	0	0	82
	2540400	TRACTION DIFFERENTIAL	DRIVER CONTROLLED INTER WHEEL DIFFERENTIAL LOCK FRT RR AXLE, MANUAL AIR VALVE W/WARNING LIGHT.	0	16	711
S	6980108	ANTILOCK BRAKE SYSTEM	BENDIX WITH TRACTION CONTROL 4S4M	0	0	0
S	BRV-V4	BRAKE VALVE VERSION	BENDIX SWITCHES AND VALVES WHERE POSSIBLE	0	0	0
	UTCD	TRACTION CONTROL DISABLE (CA in PC29 only)	W/O AUTOMATIC TRACTION CONTROL (ATC) DISABLE SWITCH	0	0	-35
S	SBRAIV	SPRING BRAKE INVERSION VALVE	TRACTOR SPRING BRAKE INVERSION VALVE	5	0	0

				WEIGHT (LB)		LIST PRICE USD
FRAME EQUIPMENT/FUEL TANKS	DESCRIPTION			FRONT	REAR	
	2710187	WHEELBASE	187"	181	181	0
	3740094	AF (OVERHANG)	94"	-50	565	121
	MCE0010	FRAME RAILS & LINERS	9.5 x 90 x 300mm - (0.37" x 3.54" x 11.81")W/ Full Liner; RBM 3,580,000 LB-IN	0	0	2,116
	RUSTP-F	RUST PROTECTION (for frame), ADDITIONAL	RUST PROTECTION BETWEEN FRAME RAILS AND LINERS	3	3	800
	UFFE	FRONT FRAME EXT. (BOLTED ON)	W/O FRONT FRAME EXTENSION	0	0	-207
	FFL1233	FRONT FRAME LENGTH	BUMPER POSITION EXTENDED 20" (SNOW)	300	-33	1,531
S	2811055	CROSSMEMBERS	BOC AND INTERMEDIATE(S) STEEL HD BACK-TO- BACK CHANNEL	0	0	0
S	RXM-STR	REAR CROSSMEMBER OPTIONS	STEEL CLOSING REAR CROSSMEMBER	0	0	0
S	BUMP-SPE	FRONT BUMPER	EXTENDED-SWEPT BACK-STEEL	0	0	0
S	TDF2HOOK	TOWING DEVICE, FRONT	HOOKS	0	0	0
	TOWR2HK1	TOWING DEVICE, REAR	HOOKS - FRAME MOUNTED	-6	27	32
S	FLS-BASL	FUEL LEVEL SENDER UNIT, LIQUID	BASIC FUEL LEVEL SENDER MOUNTED ON L.H TANK	0	0	0
	288A072	FUEL TANK - LH	72 GALLON (275 L) 26" ALUMINUM, SLEEVED D- SHAPED	67	34	300
S	2900000	FUEL TANK - RH	W/O RH FUEL TANK	0	0	0
S	FHOS-WBR	FUEL HOSES, LIQUID	BRAIDED HOSE	5	3	0
S	8520052	FUEL FILLER NECK OPTIONS	WITHOUT FILLER NECK SCREEN, WITH NON- LOCKABLE FUEL TANK CAP	0	0	0
	FLI-SING	FUEL LINE OPTIONS, LIQUID	W/O FUEL LINE OPTION	0	0	0
S	CSTEP-BA	CAB INSTEP VERSION	STANDARD 2 STEP CAB ACCESS	0	0	0

TECHNICAL SPECIFICATION (cont.)



				WEIGHT (LB)		LIST PRICE USD
AIR/BRAKE	DESCRIPTION			FRONT	REAR	
	DRVA-AHC	AIRTANK DRAIN VALVE	AUTO DRAIN VALVE, HEATED, ON SUPPLY TANK, W/LANYARDS ON ALL OTHER TANKS	3	0	105
	ATANK-AL	AIRTANK MATERIAL	ALUMINUM AIR TANK PAINTED CHASSIS COLOR	-24	0	282
S	1410000	RELOCATE AIR RESERVOIRS	W/O RELOCATED AIR TANKS	0	0	0
S	PBV-Y	PARKING BRAKE VALVE	SINGLE VALVE SYSTEM	0	0	0

				WEIGHT (LB)		LIST PRICE USD
ELECTRICAL	DESCRIPTION			FRONT	REAR	
	BUPALAR3	BACK-UP ALARM	ECCO BACK-UP ALARM 575 CONSTANT SOUND LEVEL 107 dB	0	3	108
	AUXSW-6	DASH MOUNTED SWITCHES	(4) 15A, IGNITION POWERED, (2) 15A BATTERY POWERED, ALL LATCHING ON/OFF	0	0	184
S	3120102	ROOF & SIDE MARKER LIGHTS	(5) TRUCKLITE CHROME BULLET ROOF MARKER & STANDARD MARKER / DIRECTIONAL SIGNAL	0	0	0
	AL-SPK3	AUXILIARY LAMPS (CA in PC29 only)	DASH CTRL/PWR SUPPLY/LOCAL INST PLOW LAMPS W/LEAD FURN@ GRILL W/2W/3W WEATHER PACK CON	0	0	97
	LOWB-D3S	DAYTIME RUNNING LIGHTS	W/OVERRIDE SWITCH, PARK BRAKE ACTIVATED	0	0	0
S	DRLOS08	DRL OVERRIDE SPEED THRESHOLD	DRL OVERRIDE SPEED THRESHOLD 8 KMPH (5 MPH)	0	0	0
	TL-SER44	TAIL LAMPS	LED TYPE TAIL LAMP MODULE MTD BELOW REAR CROSSMEMBER	0	7	291
	CHAWL2	WORK LIGHTS - CHASSIS MOUNTED	RH/LH LED WORK LIGHT (STEPS & GROUND) ON BOTH SIDES TRUCK	3	0	186

				WEIGHT (LB)		LIST PRICE USD
TRAILER CONNECTIONS	DESCRIPTION			FRONT	REAR	
S	UTRBRKE	TRAILER BRAKE VALVE	W/O HAND CONTROL VALVE	-6	0	0
	3210002	TRAILER ELECTRICAL RECEPT	SINGLE 7 PINS STD SAE TYPE, END OF FRAME	0	0	162
S	UTCHOLD	TRAILER CONNECTORS HOLDER	OMIT TRAILER CONNECTORS HOLDER	3	0	0

				WEIGHT (LB)		LIST PRICE USD
PTO	DESCRIPTION			FRONT	REAR	
	UPTOCONT	POWER TAKE OFF CONTROL	WITHOUT TRANSMISSION PTO CONTROL	0	0	-229
S	UPTOTNC	PTO TRANS NEUTRAL CONTRL CHECK	W/O NEUTRAL CONTROL	0	0	0
S	B830025	BODY BUILDER INTERFACE	BODY LINK III W/CAB PASS-THRU	5	5	0

				WEIGHT (LB)		LIST PRICE USD
SPECIALTY EQUIPMENT	DESCRIPTION			FRONT	REAR	
S	MCQ0000	LANE SUPPORT SYSTEM (LSS)	WITHOUT LANE SUPPORT SYSTEM	0	0	0
S	UDATAC	DATA CAPTURE	WITHOUT DATA CAPTURE	0	0	0
S	UCAMS	CAMERA, SURVEILLANCE	WITHOUT CAMERA	0	0	0

TECHNICAL SPECIFICATION (cont.)



				WEIGHT (LB)		LIST PRICE USD
CAB INTERIOR (A THRU G)		DESCRIPTION	FRONT	REAR		
S	1980001	GAUGES - UNIT OF MEASURE	U.S. UNITS (PREDOMINANT)	0	0	0
	GOTR-BAS	GAUGE - TRANSMISSION OIL TEMP	TRANSMISSION OIL TEMP GAUGE	0	0	55
	GOTRA	GAUGE - REAR AXLE OIL TEMP	REAR AXLE OIL TEMP GAUGE IN DID (DRIVER INFORMATION DISPLAY)	0	0	0
	APNOUTC	AUXILIARY PNEUMATIC OUTLET CAB (CA in PC29 only)	AUX. INCAB PNEUMATIC LINE CLEANOUT	0	0	60
S	1731002	AIR CONDITIONING/HEATER	BLEND AIR HVAC W/"ATC" TEMP REGULATION	0	0	0
S	DL-BS2R	DOME LAMP, INTERIOR	(4) DOME LAMPS - DOOR AND SWITCH ACTIVATED	0	0	0
S	DIL-BOOP	DASH INDICATOR - LAMP BODY OUT OF POS	DASH MTD, INDICATOR BODY/HOIST UP "BODYBUILDER LAMP"	0	0	0
	7860007	FIRE EXTINGUISHER	5LB (ABC RATED/AMEREX) MOUNTED BETWEEN LH SEAT BASE AND DOOR WITH VALVE AIMED REARWARD	9	0	97
S	UCOMDET	CARBON MONOXIDE DETECTION SYS	WITHOUT CARBON MONOXIDE DETECTION SYSTEM	0	0	0
S	1840007	FLOOR COVERING	POLYURETHANE FLOOR MAT WITHOUT REMOVABLE INSERTS	0	0	0

				WEIGHT (LB)		LIST PRICE USD
CAB INTERIOR (H THRU R)		DESCRIPTION	FRONT	REAR		
S	C520007	INSTMTNT CLUSTER LANGUAGE	DEFAULT: ENGLISH, SPANISH, FRENCH	0	0	0
S	KEY-BAS	KEY TYPES FOR DOORS	ALL CHASSIS KEYED AT RANDOM	0	0	0
S	DOP-MAN	DOOR OPENING OPTIONS	W/O ELECTRONIC KEYLESS ENTRY	0	0	0
S	FOHS2BAS	FORWARD OVERHEAD STORAGE	(2) STORAGE COMPARTMENTS AND NET RETAINERS W/CENTER MOUNTING FOR CB PROVISIONS	0	0	0
	1746112	AUDIO ACCOMMODATION	PREMIUM STEREO, AM/FM, MP3, WEATHER BAND, BLUETOOTH, SIRIUS/XM SATELLITE	0	0	230
S	ANR-CDL1	ANTENNA - RADIO	RADIO ANTENNA, CAB MOUNTED BEHIND LH DOOR	0	0	0
S	AUDOFF	AUDIO SHUTOFF	AUTO SHUTOFF FOR RADIO ENTERTAINMENT SYSTEM WHEN VEHICLE IS ENGAGED IN REVERSE	0	0	0
S	PWL5WH	POWER LEADS	POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE	0	0	0
S	SPK-IDM	AUDIO SPEAKER LOCATION	SPEAKER LOCATION, IN DOORS, MIDDLE HIGH SIDE PANEL	0	0	0
S	CBM-OPR	COM.RADIO PREP KIT (CB)	CB RADIO MOUNTING REINFORCEMENT IN HEADER CONSOLE	0	0	0
S	AWIND-RF	AUXILIARY REAR WINDOW	REAR WINDOW (FIXED TYPE)	0	0	0
S	RWSTC-FI	REAR WALL STORAGE COMPARTMENT	STORAGE POUCH REAR	0	0	0
	7840005	REFLECTOR KIT	EMERGENCY REFLECTOR KIT MOUNTED PARALLEL & CENTERED AGAINST BOC	12	5	40

				WEIGHT (LB)		LIST PRICE USD
CAB INTERIOR (S THRU Z)		DESCRIPTION	FRONT	REAR		
S	0041110	INTERIOR TRIM LEVELS	STANDARD PACKAGE, STEEL GRAY (Package 11A)	0	0	0
	1963140	SEAT - DRIVER'S	MACK-AIR, HIGH BACK, 4 CHAMBER AIR LUMBAR, BOLSTER, EXTENSION	67	16	550
	MAP2004	SEAT COVERING - DRIVER'S	DRIVER'S SEAT - STEEL GREY VINYL / CLOTH MIX	0	0	246
	1973001	SEAT - PASSENGER'S	MACK-FIXED, HIGH BACK, W/ STORAGE BOX	40	9	90
S	MAQ1004	SEAT COVERING - PASSENGER'S	PASSENGER'S SEAT - STEEL GREY VINYL	0	0	0

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CAB INTERIOR (S THRU Z)			WEIGHT (LB)		LIST PRICE USD
			FRONT	REAR	
	ARMRE-DS	SEAT ARMREST			
		INBOARD MOUNTED ARM REST, DRIVER'S SEAT ONLY	3	3	26
	5929008	SEAT BELT(S)			
		LAP & SHOULDER HEIGHT ADJUSTMENT D-RING SEATBELT RH/LH ORANGE IN COLOR	0	0	111
S	IGT-KEY	IGNITION TYPE			
		KEY TYPE	0	0	0
S	1610012	STEERING WHEEL			
		2 SPOKE URETHANE GRIP, GUNMETAL SPOKES, W/O SWITCHES	0	0	0
S	WIND-SP	WINDSHIELD TYPE			
		TWO PIECE WINDSHIELD	0	0	0
	1459003	CAB GLASS			
		HEATED TINTED WINDSHIELD, TINTED SIDE AND REAR WINDOW	0	0	498
	WREP-BOC	WASHER RESERVOIR POSITION			
		WINDSHIELD WASHER RESERVOIR INSTALLED BOC	0	0	39
	1489008	WINDSHIELD WIPERS			
		2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE & ARCTIC WIPER BLADES	0	0	28

CAB EXTERIOR			WEIGHT (LB)		LIST PRICE USD
			FRONT	REAR	
	MCG0002	EXTERIOR TRIM FINISH AND PACKAGES			
		BRIGHT AIR INTAKE WITH BLACK HOOD LATCHES	0	0	0
	4000018	GRILLE			
		BRIGHT FINISH BARS W/BRIGHT FINISH SURROUND GRILL MOUNTED	0	0	221
S	MCD0020	PASSENGER SIDE VISIBILITY OPTIONS			
		AUXILIARY WINDOW IN RH DOOR	3	0	0
S	FWO-EXT	FRONT WHEEL OPENING			
		FENDER EXTENSIONS	5	0	0
	5870102	GRAB HANDLES			
		BF EXTERIOR CAB GRAB HANDLES, BLACK GRAB HANDLE RH INTERIOR WINDSHIELD POST	0	0	0
	1549014	HORN - AIR			
		(2) MACK RECTANGULAR SINGLE TRUMPET, BRIGHT FINISH ALUMINUM W/SNOW SHIELDS	7	0	139
	HORN-E2D	HORN - ELECTRICAL			
		DUAL TONE	5	0	8
	1522401	MIRRORS - EXTERIOR			
		FLAT MIRROR - POLISHED ALUMINUM FINISH, HEATED, W/O LAMPS	0	0	180
	1539008	MIRRORS - CONVEX TYPE CAB DOORS			
		BRIGHT FINISH, LH & RH, 8" DIAMETER HEATED CONVEX	3	0	49
	1570001	SUN VISOR - EXTERIOR			
		SUN VISOR, EXTERIOR, FIBERGLASS (PAINTED)	12	0	213

AERODYNAMIC DEVICES			WEIGHT (LB)		LIST PRICE USD
			FRONT	REAR	
S	1590000	CAB AERODYNAMIC PACKAGES			
		WITHOUT CAB AERODYNAMIC DEVICES	0	0	0
S	MCM0000	FRONT CHASSIS AERODYNAMIC PACKAGE			
		WITHOUT FRONT AERODYNAMIC FAIRINGS	0	0	0

WHEELS & TIRES			WEIGHT (LB)		LIST PRICE USD
			FRONT	REAR	
	9001415	TIRES BRAND/TYRE - FRONT			
		315/80R22.5 L BRIDGESTONE M870 (20000 lbs) (Total for QTY = 2)	336	0	184
S	5311506	WHEELS - FRONT			
		22.5x9.00 ACCURIDE WHITE POWDER COAT STEEL, 7.00" OFFSET, 5 HOLE (Total for QTY = 2)	217	0	0
	9016262	TIRES BRAND/TYRE - REAR			
		12R22.5 H MICHELIN XDN2 (27120 lbs) (DRIVE ONLY) (Total for QTY = 4)	0	591	1,916

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WHEELS & TIRES				WEIGHT (LB)		LIST PRICE USD
				FRONT	REAR	
	3462742	WHEELS - REAR	22.5x8.25 MAXION WHITE POWDER COAT STEEL, 6.62" OFFSET, 2 HAND HOLE (Total for QTY = 4)	0	283	0
	DSTUD-S	DRIVE WHEEL STUDS	DRIVE WHEEL STUDS BASIC LENGTH	0	0	-76
S	VALVESTD	TIRE INFLATION VALVE	STANDARD VALVE STEMS AND CAPS	0	0	0
S	MCH0000	FRONT HUB/WHEEL TRIM	WITHOUT FRONT HUB/WHEEL TRIM	0	0	0
S	MC10000	REAR HUB/WHEEL TRIM	WITHOUT REAR HUB/WHEEL TRIM	0	0	0
	MCJ0000	AUXILIARY HUB/WHEEL TRIM	WITHOUT AUXILIARY HUB/WHEEL TRIM	0	0	0
	HWIF-NYL	HUB/WHEEL ISOLATOR FRONT (CA In PC29 only)	PROTECTIVE NYLON SPACER BETWEEN DISCS WHEEL TO DRUM	0	3	21
	HWID-NYL	HUB/WHEEL ISOLATOR DRIVE (CA In PC29 only)	PROTECTIVE NYLON SPACER BETWEEN DISCS WHEEL TO DRUM	0	3	20
S	WNFF-BAS	WHEEL NUT & FINISH, FRONT	WHEEL NUT BASIC FINISH, FRONT	0	0	0
S	WNFR-BAS	WHEEL NUT FINISH, REAR (CA)	WHEEL NUT BASIC FINISH, REAR	0	0	0

COMMUNICATION SYSTEMS				WEIGHT (LB)		LIST PRICE USD
				FRONT	REAR	
S	DFA-LIM	CO-PILOT - DISPLAY FEATURES ACCESS LEVEL	CO-PILOT DISPLAY, DRIVER ACCESS LEVEL 1	0	0	0
S	M300004	TELEMATIC GATEWAY	TELEMATICS GATEWAY, 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC SERVICES	0	0	0

ENGINE ELECTRONICS				WEIGHT (LB)		LIST PRICE USD
				FRONT	REAR	
S	OPRESHUT	OIL PRESSURE, ENGINE SHUTDOWN	OIL PRESSURE, ENGINE SHUTDOWN	0	0	0
	CLEVSHUT	COOLANT LEVEL, ENGINE SHUTDOWN	COOLANT LEVEL ENGINE SHUTDOWN	0	0	0
S	CTEMSHUT	COOLANT TEMP, ENGINE SHUTDOWN	COOLANT TEMP, ENGINE SHUTDOWN	0	0	0
S	ENGPROT	ENGINE PROTECTION SYSTEM	ENGINE PROTECTION (SHUTDOWN)	0	0	0
S	IDLE650	ENGINE IDLE CONTROL	IDLE CONTROL, 650 RPM	0	0	0
S	IBC010	SMART IDLE ELEVATED IDLE RPM TIME	INCREASE 10 MINUTE MAXIMUM TIME	0	0	0
S	ISDTC-E	IDLE S/D ABS TAMPER CHECK	IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED	0	0	0
S	ISDW30	IDLE S/D WARNING TIME	30 SEC IDLE S/D WARNING TIME	0	0	0
S	WTEMD38	IDLE S/D IF WARM-UP TEMP	38C DEG (100F), WARM UP TEMP DELAY	0	0	0
S	WTIMD005	IDLE S/D WARM-UP TIMER	5 MIN. WARM UP TIME DELAY	0	0	0
S	ISDPTO	IDLE S/D IF PTO ACTIVE	ENGINE IDLE SHUTDOWN TIME OVERRIDDEN IF PTO ACTIVE	0	0	0
S	ISDOVTO	IDLE SHUTDOWN IF POWER > LIMIT	ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT	0	0	0
S	ISDOT20	IDLE S/D OVERRIDE %ENGINE LOAD	IDLE SHUTDOWN OVERRIDE UPTO 20% ENGINE LOAD THRESHOLD	0	0	0
S	ATMINT16	AMBIENT TEMP MIN TRESHOLD	AMBIENT TEMP MIN TRESHOLD, 16 DEG C, (60 DEG F)	0	0	0
S	ATMAXT27	AMBIENT TEMP MAX TRESHOLD	AMBIENT TEMP MAX TRESHOLD, 27 DEG C, (80 DEG F)	0	0	0
S	EHTR16	EL HD THROTTLE, MAX ROAD SPEED	ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KMH (10 MPH)	0	0	0
	EHTX2100	EL HAND THROTTLE, MAX ENG SPEED	ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 2100 RPM	0	0	0

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ENGINE ELECTRONICS				WEIGHT (LB)		LIST PRICE USD
				FRONT	REAR	
S	EHTM700	EL HAND THROTTLE, MIN ENG SPEED	ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM	0	0	0
S	EHTRR100	EL HD THROTTLE, SPEED RAMP RATE	ELECTRONIC HAND THROTTLE, SPEED RAMP RATE, 100 RPM/SEC	0	0	0

TRANSMISSION ELECTRONICS				WEIGHT (LB)		LIST PRICE USD
				FRONT	REAR	
	TRAPROT	TRANSMISSION PROTECTION	TRANS. PROTECTION, ENGINE SHUT DOWN (HIGH TEMP.)	0	0	0
	7791753	TRANSMISSION ELECTRONICS PACKAGE	DUMP/VOC/PLOW(175) - ALLOWS TRUCK TO BE PUT IN GEAR W/O SERVICE BRAKE (FOR PAVING) (4TH GEAR LIMIT S	0	0	0
	TANPSI	TRANSM AUTO NEUTRAL ON P-BRAKE	ALLISON PARK BRAKE AUTO NEUTRAL-REQUIRES PARK BRAKE TO BE DISENGAGED PRIOR TO SELECTING A GEAR TO DR	0	0	0
S	MAV0000	TRANSMISSION ELECTRONIC SHIFTING PROPERTIES	W/O ALLISON FUELSense 2.0 PROGRAMMING	0	0	0

VEHICLE ELECTRONICS				WEIGHT (LB)		LIST PRICE USD
				FRONT	REAR	
S	SPEED105	ROAD SPEED LIMITER SETTING	105 KM/H ROAD SPEED LIMITER(65 MPH)	0	0	0
	PRSL105	PEDAL RSL SETTING	105 KM/H PEDAL ROAD SPEED LIMITER (65MPH)	0	0	0
S	CRUISEC	CRUISE CONTROL	CRUISE CONTROL	0	0	0
S	CCM105	CRUISE CONTROL, MAX SPEED	MAX CRUISE, 105 KPH (65 MPH)	0	0	0
S	CCM132	CRUISE CONTROL MIN SPEED	MIN CRUISE, 32 KPH (20 MPH)	0	0	0
S	EBREC3A	ENG BRK ENGAGE IN CRUISE	ENG BRK ENGAGE IN CRUISE, 3 MPH, ABOVE SET SPEED	0	0	0
	MESZ1950	MAXIMUM ENG SPEED AT 0 MPH	1950 MAXIMUM ENGINE SPEED AT 0 MPH	0	0	0
S	DSST-E	DETECTION SPEED SENSR TMRNG	DETECTION OF SPEED SENSOR TAMPERING, ENABLE	0	0	0
S	ETOL50ST	ENG TORQUE LIMIT, SPEED SENSOR	ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED	0	0	0
S	DIDF-DIS	DRIVER ID FUNCTION	DRIVER ID FUNCTION, DISABLED	0	0	0
S	UDRP	DR PERFORMANCE PARAMETERS	WITHOUT DRIVER PERFORMANCE PARAMETERS	0	0	0
S	EOSA2200	ENGINE OVERSPEED, ALL COND, LOG	ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM	0	0	0
S	EOSF2100	ENGINE OVERSPEED, FUELED, LOG	ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM	0	0	0
S	VOSAC75	VEHICLE OVERSPEED, ALL COND, LOG	VEHICLE OVERSPEED, ALL COND, TIME LOG IF ABOVE 75MPH (121KMH)	0	0	0
S	VOSF70	VEHICLE OVERSPEED, FUELED, LOG	VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH)	0	0	0
S	EIDL02	ENGINE IDLE DELAY TO LOG	ENGINE IDLE DELAY TO START LOG, 2 MIN	0	0	0
S	PTL0M01	PERIODIC TRIP LOG DAY OF MONTH	PERIODIC TRIP LOG, DAY 1 OF THE MONTH	0	0	0

TECHNICAL SPECIFICATION (cont.)



				WEIGHT (LB)		LIST PRICE USD
PTO ELECTRONICS		DESCRIPTION		FRONT	REAR	
S	1PSS1000	PTO1 SINGLE SPEED CONTROL RPM.	PTO 1ST, SINGLE SPEED SETTING, 1000 RPM	0	0	0
S	1PMXS10	PTO 1ST, MAX ROAD SPEED	1ST PTO, MAX ROAD SPEED, 10 MPH (16 KPH)	0	0	0
S	1PRR100	PTO 1ST, SPEED RAMP RATE	PTO 1ST, SPEED RAMP RATE 100 RPM/SEC	0	0	0
S	1PMX2100	PTO 1ST, MAX ENGINE SPEED	PTO 1ST, MAX ENGINE SPEED, 2100 RPM	0	0	0
S	1PRS97	PTO 1ST, ROAD SPEED LIMIT	PTO 1ST, ROAD SPEED LIMIT, 97 KMH (60 MPH)	0	0	0
S	1PM1600	PTO 1ST, MINIMUM ENGINE SPEED	PTO 1ST, MINIMUM ENGINE SPEED, 600 RPM	0	0	0
S	2PSS1000	PTO 2ND, SINGLE SPEED SETTING	PTO 2ND, SINGLE SPEED SETTING, 1000 RPM	0	0	0
S	2PMXS10	PTO 2ND, MAX ROAD SPEED	2ND PTO, MAX ROAD SPEED, 10 MPH (16 KPH)	0	0	0
S	2PRR100	PTO 2ND, SPEED RAMP RATE	PTO 2ND, SPEED RAMP RATE 100 RPM/SEC	0	0	0
S	2PMX2100	PTO 2ND, MAX ENGINE SPEED	PTO 2ND, MAX ENGINE SPEED, 2100 RPM	0	0	0
S	2PRS97	PTO 2ND, ROAD SPEED LIMIT	PTO 2ND, ROAD SPEED LIMIT, 97 KMH (60 MPH)	0	0	0
S	2PM1600	PTO 2ND, MINIMUM ENGINE SPEED	PTO 2ND, MINIMUM ENGINE SPEED, 600 RPM	0	0	0

				WEIGHT (LB)		LIST PRICE USD
PAINT		DESCRIPTION		FRONT	REAR	
S	9503100	PAINT DESIGN	SINGLE COLOR	0	0	0
S	9240001	PAINT TYPE	SOLID PAINT	0	0	0
	9449345	PAINT COLOR - FIRST COLOR	SHAMROCK GREEN; L6694	0	0	130
S	9451000	PAINT COLOR - SECOND COLOR	NO SECOND TRUCK COLOR PROVIDED; NO COLOR	0	0	0
S	9461000	PAINT COLOR - THIRD COLOR	NO THIRD TRUCK COLOR PROVIDED; NO COLOR	0	0	0
S	9980002	PAINT - CAB PAINT SYSTEM	PAINT - CAB, URETHANE CLEAR COAT	0	0	0
S	MPB0944	CAB COLOR	SAME AS FIRST COLOR - CAB	0	0	0
S	MPD0944	HOOD COLOR	SAME AS FIRST COLOR - HOOD	0	0	0
	9661944	SUN VISOR COLOR	SAME AS FIRST COLOR - SUN VISOR	0	0	56
S	MPC0000	SLEEPER ROOF COLOR	WITHOUT SLEEPER ROOF COLOR	0	0	0
S	MPA0000	ROOF FAIRING COLOR	WITHOUT ROOF FAIRING	0	0	0
S	9512006	CHASSIS RUNNING GEAR	MACK BLACK (URETHANE)	0	0	0
S	9589902	BUMPER	PAINT BUMPER SAME COLOR AS CHASSIS RUNNING GEAR	0	0	0
S	9590000	FUEL TANK - ***NO INVENTED VARIANTS ALLOWED in the FUEL TANK PAINT FAMILY***	W/O OPTIONAL FUEL TANK PAINT	0	0	0
S	9629902	HUBS & DRUMS-FRONT	SAME AS CHASSIS RUNNING GEAR	0	0	0
S	9639902	HUBS & DRUMS-REAR	SAME AS CHASSIS RUNNING GEAR	0	0	0

				WEIGHT (LB)		LIST PRICE USD
CALCULATED CODES - KAX		DESCRIPTION		FRONT	REAR	
S	PROPCALC	PROPCALC SELECTION	YES, THE ORDER MUST BE CALCULATED	0	0	0
	ARC-CS	AUTO ROUTING & CLIPPING, CENTER	AUTOMATIC ROUTING & CLIPPING PLACEMENT, CENTER SECTION	0	0	0

PRICELIST DATE
20210104

QUOTATION
GABR2021000188A463

DATE
9/27/2021

PAGE
12 of 13

TECHNICAL SPECIFICATION (cont.)



BASE WARRANTY & PURCHASED COVERAGES				WEIGHT (LB)		LIST PRICE USD
				FRONT	REAR	
S	8980003	VEHICLE WARRANTY TYPE	HEAVY DUTY WARRANTY CLASSIFICATION	0	0	0
S	M501002	BASIC CHASSIS COVERAGE	HEAVY DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES (161,000 KM)	0	0	0
S	M511001	ENGINE WARRANTY	MACK MP7/MP8 BASE ENGINE COVERAGE 24 MONTHS / 250,000 MILES (402,000KM)	0	0	0
S	M521001	EMISSION COMPONENT COVERAGE	US and CANADA EQUIPPED VEHICLE EMISSION COMPONENTS COVERAGE 60 MONTHS/100,000 MILES (161,000 KM)	0	0	0
	M541010	TRANSMISSION WARRANTY	ALLISON TRANSMISSIONS (Contact Allison Transmission for standard warranty and extended coverage data)	0	0	0
	M551004	CARRIER & AXLE HOUSING WARRANTY	STANDARD VENDOR NORMAL / HEAVY DUTY COVERAGE 36 MONTHS/350,000 (563,00 KM)	0	0	0
S	M561000	AIR CONDITIONING WARRANTY	AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12 MONTHS UNLIMITED MILEAGE	0	0	0
S	M571000	CHASSIS TOWING WARRANTY	STANDARD NORMAL / HEAVY DUTY CHASSIS TOWING 90 DAYS OR 5,000 MILES	0	0	0
S	M581000	ENGINE TOWING WARRANTY	STANDARD MACK ENGINE TOWING COVERAGE 24 MONTHS/250,000 MILES (402,000 KM)	0	0	0
S	M691010	GUARDDOG CONNECT BUNDLE	24 MONTH - GUARDDOG CONNECT WITH MACK OTA (with ASIST and Mack OneCall)	0	0	0
S	M780001	PREPAID API	WITHOUT PREPAID API	0	0	0
S	M671000	PREMIUM MAINTENANCE - CHASSIS LUBE AND INSPECTION	W/O PREMIUM MAINTENANCE - CHASSIS LUBE AND INSPECTION COVERAGE	0	0	0

Z - TO BE DISCONTINUED - GOING OBSOLETE				WEIGHT (LB)		LIST PRICE USD
				FRONT	REAR	
S	4WC-C1X	GHG STEER TIRE CATEGORY (PAWS) (CA)	LOW ROLLING RESISTANCE, BETTER FUEL ECONOMY	0	0	0
	4XC-E1X	GHG DRIVE TIRE CATEGORY (PAWS) (CA)	BASIC ROLLING RESISTANCE, POOR FUEL ECONOMY	0	0	0

FRONT / REAR AXLE WEIGHTS (LB)

9050 6714

TOTAL WEIGHT (LB)

15,764



January 20, 2022

To Our Valued Business Partners

Following a challenging year, I hope that you, your families, and your business are healthy and off to a successful start in 2022. Throughout 2021, Mack Trucks and our dealers worked hard to deliver as many trucks as possible in the face of ongoing disruptions. While we were successful in meeting the needs of many customers, supply chain disruptions caused us to disappoint others.

We thank you for placing your trust in Mack Trucks and our dealers by ordering a MY2023 Mack. As we work to fulfill your order, we are unfortunately faced with challenges similar to those experienced last year. Along with the rest of the global economy, we continue to be impacted by supply chain constraints, and inflationary pressure. We've been doing all we can to mitigate the impacts to our business, but we now find it necessary to apply a \$2,500 USD material surcharge on heavy-duty trucks and a \$750 USD material surcharge on medium-duty trucks, for all MY2023 vehicles on order.

Some key components driving the surcharge include tires, steel, aluminum, plastic, rubber, electrical components, and the transportation of goods. Our main challenge remains the sourcing of semiconductors, a key component in our trucks. Substantial efforts will continue as our global purchasing team focuses efforts on this, and all materials necessary to supply you with your trucks.

Mack wants to remain your business partner; we also understand the impact this surcharge may have, and we want to provide the flexibility that allows you to make the best decisions for your business. We acknowledge that you may decide to seek alternative solutions, so Mack will waive any cancellation fees through February 15, 2022.

Mack Trucks thanks you for your business, and we are committed to delivering the best truck for your application in 2022 and beyond. Please contact your local Mack Trucks dealer if you have any additional questions.

We appreciate your understanding.

Sincerely,

Jonathan Randall
SVP, Sales & Commercial Operations
Mack Trucks

MACK TRUCKS DEALER BULLETIN



To: Dealer Management, Sales Staff
From: Rich Million, VP, Commercial Operations
Date: November 22, 2021
Subject: CARB Requirements Update
Bulletin: CB032-20211

As previously communicated, 2022 calendar year production, Model Year 2023 chassis sold or registered in California or other CARB opt-in states will require a longer emission base warranty period. Based on the latest information, chassis sold or registered in California and New Jersey will need to be CARB certified. This list is subject to change and we encourage you to contact your local DOT or Environmental Regulatory office for the latest information.

Chassis requiring Clean Idle Certification must select the CARB + EPA Emission Warranty Certification option in the sales tool when specifying in order to receive the Clean Idle Label. EPA only certified chassis cannot idle for more than five minutes in California and other states that honor the CARB Clean Idle Label (e.g., PA, WV, TX, see: [ATRI Idling Compendium](#) for the most recent idling regulations by State and Locality).

Additionally, based on the latest guidance from CARB, Warranty Coverage will **not** be allowed to change once a chassis has been built or invoiced, i.e., there will be no Aftermarket upgrade option. Chassis built with EPA only Emissions Warranty Certification cannot be sold or registered in California or other CARB opt-in states. Please ensure that existing orders are updated with the proper Emission Warranty Certification option in OM as soon as possible, reference SED:1653-21 for the latest guidance.

Pricing Impacts:

Please note that these surcharges/price adjustments will affect sales in California and any of the opt-in states that adopt the CARB standards. The below price changes reflect the additional cost for the extended engine & aftertreatment coverages. Mack will implement the following Surcharge and/or Price adjustment for Model Year 2023 CARB certified chassis:

<u>Engine</u>	<u>CARB Price Adjustment</u>
Mack MP7 / MP8	\$2,100 Surcharge (Non-Discountable)
B6.7 Cummins	\$1,650 List (Discountable)

Customer Sold Heavy Duty and Medium Duty trucks that move from calendar year 2021 into 2022 production as a result of Mack production disruptions will be price protected, including those trucks sold into CARB states requiring CARB certification. Mack will reimburse for CARB at time of Warranty Registration in VDA+. Dealers must submit for a credit using the Credit Request form on Truck Dealer Portal. Requests for reimbursement must be made within 90 days of Warranty Registration and will only be approved for trucks registered in CARB states requiring CARB certification, currently California and New Jersey.

MACK TRUCKS DEALER BULLETIN



To: Dealer Management, Sales Staff
From: Rich Million, VP Commercial Operations
Date: January 13, 2022
Subject: Mack Material Surcharge
Bulletin: CB001-2022

Mack continues the hard work of mitigating ongoing the supply chain disruptions that will be with us well into 2022. Additionally, significant material and component cost increases, outpacing previous estimates are forecasted to continue throughout 2022. Inflation is at the highest levels in the last 30 years and the cost of raw materials such as steel, resins, aluminum, as well as supplier price increases, and freight and transport costs are rising rapidly. While Mack has taken many steps to lessen the impacts of these cost increases, it has become necessary to implement additional surcharges on top of what was announced September 17, 2021 (reference bulletin: CB028 – 2021). These decisions are not made lightly, and we understand that these will be tough conversations to have with customers regarding an additional surcharge.

Material Surcharge:

- All Calendar Year 2022 Heavy Duty production will be subject to an additional non-discountable Material Surcharge of \$2,500*. The surcharge applies to both Sold and Unsold chassis, both scheduled and unscheduled.
- All Calendar Year 2022 Medium Duty production will be subject to an additional non-discountable Material Surcharge of \$750*. The surcharge applies to both Sold and Unsold chassis, including those in the current backlog.

** As previously communicated, Customer Sold Heavy Duty and Medium Duty trucks that moved from calendar year 2021 into 2022 production will be price protected, including those trucks sold into a CARB State requiring CARB certification. Unsold stock trucks that moved from Calendar Year 2021 into 2022 production will be subject to the Material Surcharge, Model Year Escalator (reference bulletin CB016-2021), and if sold into a CARB State requiring CARB certification, will be subject to CARB pricing (reference bulletin CB020-2021).*

In summary, the following material surcharges now apply to all Calendar Year 2022 Production:

	Surcharge Announced September 17, 2021	Surcharge Announced January 13, 2022	Total Surcharge on all CY 2022 Production
Heavy Duty	\$1,000	\$2,500	\$3,500
Medium Duty	\$0	\$750	\$750

As the situation remains fluid, additional adjustments may be necessary.

Please note that there will be a cancellation fee amnesty period on all trucks impacted by the additional material surcharge until February 15th, 2022. If a customer chooses to cancel an order within the 11-week production window (up to April 15, 2022), the dealer will still receive the unit, but can sell to another customer without the warranty mismatch fee applying for those specific trucks. Please notify the pricing team at adm.macksalesupport@macktrucks.com by February 15, 2022 of the trucks that will be warranty mismatched.

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MACK TRUCKS DEALER BULLETIN



Standard spec change fees and timing still apply per the order modification policy. Any customer cancellations do not negatively impact dealer allotment; however, the dealer does not necessarily keep the same production slot in the schedule.

Note that existing orders will show updated pricing at the time the Model Year 2023 variant is updated on the order. Either when manually revalidated in MSS, or automatically 11 weeks prior to production. New quotes and orders will show the updated pricing effective immediately. Open quotes will need to be revalidated prior to order to show updated pricing.

Should you have any questions, please reach out to your Regional Pricing Analyst at adm.macksalesupport@macktrucks.com.

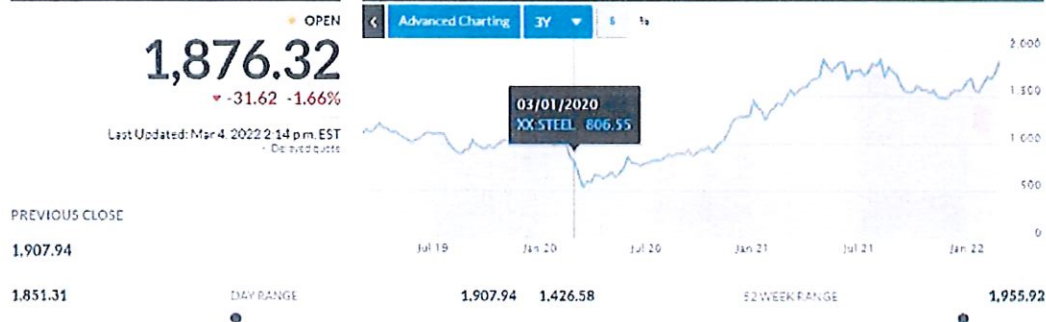
March 4, 2022

To: Equipment Specialists

Over the past 18-24 months we have been absorbing escalating material costs on all raw materials. It was primarily steel costs in 2020 and 2021 but has crept into everything else in 2022. Steel prices have risen 132% since March of 2020, and our general COGS has risen between 25% to 45%, depending on the product.

[NYSE American Steel Index](#)

NYSE American Steel Index



We are continuing to do everything we can to remain efficient and keep costs down, but we are unable to absorb the full impact of the increases we've received. As a result, all Alamo Snow Removal Group companies are implementing a price increase that will affect the full range of our various product lines. The net effect of this adjustment will result in a price increase on all products.

If you have any questions or concerns, please let me or another member of our team know.

We thank you for your continued support and look forward to growing with you in 2022 and beyond.

JP Bourque
VP of Sales, Alamo Snow Removal Group



EQUIPMENT SPECIALISTS

180 Roberts Street, East Hartford CT
06108 Tel: (860) 296-7000 • www.ES-
CT.com

March 4, 2022

GABRIELLI
ATTN: Chris Stadler

REF: NORWALK

TENCO 12M STAINLESS STEEL

We are pleased to quote the following:

New **TENCO** Equipment Package fully installed & operational upon a new cab & chassis. Equipment Package to include the following:

Chassis requirements: Minimum 44,000 GVW 102" CA, Front Frame Extensions and Allison 3000 Series Transmission. Plow light prep package. 3 indicator lights, body up, gate open and one orange for low oil. Option switches, need at least 6 one way latching, one single momentary and one dual momentary (for tarp). **Must have Ground Speed OUTPUT for Allison Transmission**

Chassis **MUST HAVE** Clear Right-Side Frame Rail Behind Cab (as much as Possible) for Valve and Tank Mounting. Relocating of Components Interfering in Installation will be Billed at Shop Rate of \$127 per Hour.

Equipment Package to include the following:

Body:

- Tenco 12M-10-SS All Season Body
- Body Construction 3/16" 304# Stainless Steel
- Hardox 450 205,000 Psi Floor, & Chain Cover
- Stainless Steel Removable Conveyor System
- Stainless Steel Hydraulic Body Lines
- 6.0 Cubic Yard Capacity Level
- Three (3) Section Bolt-On Pillow Block Floor Hinge
- Mailhot CS-90 Stage Telescopic Main Dump
- 30" Cabshield Fully reinforced
- Open Understructure With 3" C-Channel
- **Entire Body Grease Manifold**
- SS FOLD-UP Ladder On Left Side Driverside
- 3/16" Six Panel Air-Tailgate
- Bolt-on Apron
- Grease Actuators For Chain Tensioning
- Poly Discharge Chute Chassis-Mount
- 16" Poly Spinner
- 3-1/2" X 22" Side Dump Cylinders 19 Ton Capacity

- Poly Fenders Over Rear Wheels
- Front & Rear Mud Flaps With Anti-Sail On Stainless Steel Brackets
- Additional Flap In Front Of Discharge Chute
- Center Flap To Protect Brake Chambers With Stainless Steel Brackets
- Conspicuity Tape & Safety Stickers As Required
- Shovel Holder With Snap Pin
- Wheel Chock Holder With Chocks

PLOW Frame:

- Plow Frame With 4" X 10" Da Lift Cylinder And Multiple Push Point
- 5/8" Cheek Plates
- Plow Relief Circuit For Ease Of Plow Disconnect

PLOW:

- **Henke 48R11,SSTE-- 11 Foot Reversible Snowplow**
- 48" High With 10 Gauge, Rolled Plate Moldboard And Integral Snow Shield
- Rt Side Mailbox Cut
- Square Spring Trip Edge
- Hydraulic Power Reverse With (2) 4" X 10" X 2" D.A. Cylinders & Cushion Valve
- Inverted Circle Pushframe, A-Frame And Swivel Plate
- 5/8" Cutting Edge
- Rubber Shield
- Rod Markers
- CHAIN Lift
- Parking Jack
- Hitch, Plow Portion (30.5" C-C)
- Moldboard Orange, All Else Black

Hydraulic System:

- 37 Gallon Hydraulic Reservoir With Sight/Temp Gauge
- Hydraulic Filter With Indicator
- Low Oil Alert Light
- 2" Ball Valve Shut-Offs
- Suction Line Strainer
- 75cc Variable Displacement Pump
- Hot-Shift Wet-Spline PTO Via Allison 3000 Series & Chassis-Supplied Switch
- Five (5) Bank Electro-Proportional Load Sense Valve System
- Cirus Uni-Grip Controls For Body, Load Cover, And Plow Functions, Mounted On Custom Reinforced Tower
- Upright Valve Body W/Stainless Steel Valve Enclosure
- Cirus SpreadSmart RX Spreader Control
- Stainless Steel Hydraulic Manifold & 1/2" Stainless Steel Piping Throughout Utilizing Short Lengths Of Hose & Swivel Fittings

Electrical:

- Body LED ICC Lighting

- LED Spinner Light With In Cab Switch
- LED Load Light With In Cab Switch
- Heated LED Plow Lights Mounted On Stainless Steel Brackets Utilizing Chassis Plow Light Circuitry
- Whelen NEL1 Lighting Two (2) Front Amber Strobes In Cab Shield
- Whelen NEL1 Lighting Rear Cornerpost Amber Strobe; S/T/T; & Reverse
- Whelen Rear Snow-Away Lens
- Allied Lighting To Be Tied Into Factory Aux Switches
- PTO To Be Switch To Be Chassis-Supplied

Load Cover & Pintle Assembly:

- ALC Hydraulic Load Cover
- ¾" Rear Plate With 30 Ton Pintle, Gladhands, And 7 Way Rv Electrical Plug

Miscellaneous Equipment:

- Poly Fenders
- Body Natural Stainless With Black Under
- Black Enamel Applied To Plow Frame, Pintle Assy, & Body Understructure
- Complete Package Installed & Operational On Chassis With Front Frame Extension And 102" CA

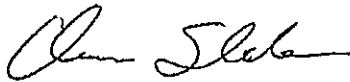
FOB: E. HARTFORD, CT..... \$ 129,217.00

OPTIONS:

A. ARMOURSEAL BODY AND CHASSIS (UNDER).....	\$ 3000.00
B. HENKE EXTREME DUTY TURNTABLE.....	\$ 1200.00
C. DUAL REAR LED SPOTS.....	\$ 460.00

QUOTE VALID: 30 DAYS

Respectfully Submitted,



Glenn Slade – Sales Consultant
Equipment Specialists

LICENSE AGREEMENT

THIS AGREEMENT, made and entered into as of the 8th day of July, 1982, by and between the CITY OF NORWALK (the "CITY") and RONALD W. WENDSCHUH and JEANNE M. K. WENDSCHUH ("WENDSCHUH").

W I T N E S S E T H:

WHEREAS, the CITY is the owner of the sidewalk in front of a dwelling located at 27 Soundview Avenue in Norwalk; and

WHEREAS, WENDSCHUH is the owner of the premises known as 27 Soundview Avenue, and wishes to construct a retaining wall which will follow the contour of the sidewalk on Soundview Avenue, between the sidewalk and Soundview Avenue;

NOW, THEREFORE, the parties agree as follows:

1. The CITY grants a license to WENDSCHUH to construct and maintain a retaining wall along the contour of the sidewalk at 27 Soundview Avenue, Norwalk, Conn., in accordance with the approval granted by the Common Council on June 22, 1982, and the plans approved by the Building Official on the same date. The wall will be constructed at WENDSCHUH'S expense.

This license is subject to revocation on thirty (30) days written notice in the event of a majority vote by the Common Council for whatever reason the Common Council shall deem appropriate, upon which notice WENDSCHUH must remove the wall at their own expense.

2. The term of this license shall be for ten (10) years, and shall be subject to automatic renewal at that time.

OFFICE OF CORPORATION COUNSEL
NORWALK, CONNECTICUT 06855 • (203) 838-7774

OFFICE OF CORPORATION COUNSEL
NORWALK, CONNECTICUT 06854 - (203) 833-7774

3. It is understood and agreed, and a condition hereof, that WENDSCHUH shall at all times during the term hereof carry public liability insurance against personal injury and property damage with a company authorized to do business in the State of Connecticut and satisfactory to the Norwalk Corporation Counsel, protecting the CITY against any and all claims for damages to persons or property as a result of or arising out of the use and maintenance by WENDSCHUH of the above retaining wall. Said insurance shall be in the amounts of not less than \$300,000.00 property damage per claim, and \$500,000.00 bodily injury per claim. WENDSCHUH shall furnish a Certificate showing such coverage prior to this license becoming effective. The policy shall contain an endorsement to the effect that no cancellation will be effective without first giving ten (10) days written notice to the CITY. In the event that WENDSCHUH allows such insurance coverage to lapse during the term of this license, it shall automatically be considered terminated.

4. This license is not assignable or transferable without the prior written consent of the CITY.

5. All maintenance shall be the responsibility of WENDSCHUH.

6. In the event of the termination of this license, and prior to the removal of the wall thereunder, the CITY shall have the opportunity, if it so chooses, to continue to maintain the wall in place. In such event, all liability for, and maintenance of, the wall shall be the responsibility of the CITY.

7. As a condition hereof, WENDSCHUH agrees and is bound to hold the CITY harmless against any and all claims for damages, costs and expense, to persons or property that may arise out of, or be occasioned by the use and maintenance of the wall by WENDSCHUH, or from any act or omission of any representative, agent, customer and/or employee of WENDSCHUH. WENDSCHUH hereby agrees to defend any and all suits, claims or causes of action brought against the CITY on account of the erection of the wall, and to discharge any judgment or judgments that may be rendered against the CITY in connection therewith.

For a more particular description of the property owned by WENDSCHUH, see Schedule A attached hereto.

Signed, sealed and delivered
in the presence of:

Jean H. Ryan
Jean H. Ryan
Beryl G. Fernschild
Beryl G. Fernschild

James V. Minor
James V. Minor
Marie L. Saymon
Marie L. Saymon

CITY OF NORWALK

By Thomas C. P. Connor
Thomas C. P. Connor, Mayor

Ronald W. Wendschuh
Ronald W. Wendschuh

Jeanne M. K. Wendschuh
Jeanne M. K. Wendschuh

OFFICE OF CORPORATION COUNSEL
NORWALK, CONNECTICUT 06854 - (203) 838-7774

SCHEDULE A

ALL THAT CERTAIN piece, parcel or tract of land, with the buildings thereon, situated in the City of Norwalk, County of Fairfield and State of Connecticut, bounded and described as follows:

NORTHERLY: 41 feet more or less, by land now or formerly of John Czako;
EASTERLY: 124 feet more or less by land now or formerly of Louis Takas;
SOUTHERLY: 60 feet more or less by Soundview Avenue; and
WESTERLY: 140 feet more or less by land now or formerly of said Czako or John Smyrnak.

BEING the same premises as described in deed recorded in Volume 1114 at Page 60 of the Norwalk Land Records.

OFFICE OF COMPTROLLER GENERAL
NORWALK, CONNECTICUT 06854 - (203) 838-3774

Received for Record July 21, A.D. 19 82 at 10:25 A.M. and recorded by

May O. Keegan
Treas. Clerk

ASSIGNMENT OF AGREEMENT
AND
ASSUMPTION OF OBLIGATIONS

THIS AGREEMENT for the assignment of license privileges and the assumption of obligations, effective this 14th day of March, 2002, is hereby made by and between JANE B. SEGALL, as the Assignor, and KEPLER DORT, as Assignee.

WHEREAS, by License Agreement by and between the City of Norwalk and Ronald and Jeanne Wendschuh (the Wendschuhs), dated July 8, 1982, and on file in the Norwalk Land Records in Volume 1420, at Page 118, the City, as the owner of the sidewalk situated along Soundview Avenue, Norwalk, granted to the Wendschuhs, as the owners of property situated at 27 Soundview Avenue, the right to construct and maintain a retaining wall along the contour of the sidewalk at 27 Soundview Avenue according to terms and conditions stated therein (the License Agreement); and

WHEREAS, by document entitled Assignment of Agreement and Assumption of Obligations, dated January 5, 1995, and on file in the Norwalk Land Records in Volume 3041, at Page 63, the Wendschuhs assigned the License Agreement to Jane B. Segall, pursuant to the purchase by Jane B. Segall (the Assignor) of the property situated at 27 Soundview Avenue in Norwalk; and

WHEREAS, Jane B. Segall, the Assignor, having sold the property located at 27 Soundview Avenue in Norwalk, Connecticut, to the Assignee, now wishes to further assign the License Agreement to the Assignee and to thereby transfer to Assignee all of her rights, obligations, privileges and responsibilities thereunder to the Assignee, all of which the Assignee has agreed to accept and assume; and

WHEREAS, pursuant to the requirements of paragraph numbered four (4) of the License Agreement, the City, acting by and through its Common Council, on January 8, 2002, voted to approve of this assignment and to execute a Consent to Assignment as evidence thereof;

NOW, THEREFORE, for value received and intending to be legally bound hereby, the parties agree as follows:

1. **Assignment.** Assignor hereby assigns and transfers to Assignee all of her rights, privileges, obligations and responsibilities arising out of and under the License Agreement.
2. **Assumption.** Assignee hereby assumes and agrees to be bound by all of the terms, requirements and conditions of the License Agreement and to faithfully discharge all of Assignor's obligations, responsibilities and liabilities under the License Agreement arising from and after the effective date stated hereon.

IN WITNESS WHEREOF, the parties hereto have caused this Assignment to be duly executed effective as of the date first above written.

Signed, Sealed and Delivered
in the Presence of:

Michael J. Frosch
Charles L. Friedman
Michael M. Hoffman
Michael M. Hoffman

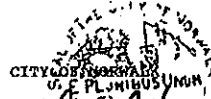
Jane B. Seball
Jane B. Seball, Assignor

Sandra L. Rudy
Sandra L. Rudy
Juvelle M. Mugini
Danielle M. Mugini

Kepler Dort
Kepler Dort, Assignee

ACKNOWLEDGEMENT AND CONSENT

The undersigned hereby acknowledges and consents to the foregoing Assignment of Agreement and Assumption of Obligations executed and entered into by JANE B. SEGALL, Assignor, and KEPLER DORT, Assignee.



By: *Alex M. Knopp*
Alex M. Knopp, Its Mayor
Duly Authorized

Date: 3/14/02

OFFICE OF CORPORATION COUNSEL
NORWALK, CONNECTICUT 06854 - 0001 854-7700
FAC (203) 854-7701

Received for Record March 19, A.D. 2002 at 9:26 AM, and recorded by

John S. Caputo
Town Clerk

D. PUBLIC WORKS COMMITTEE

1. Authorize the Mayor, Harry W. Rilling, to enter into a Subordination Agreement with Head of Harbor South, LLC per terms of the Memorandum of Assistant Corporation Counsel, Darin L. Callahan Dated October 27, 2021.
AUTHORIZED
2. Technical Correction of the Common Council Action September 14, 2021, Item VII.C.4 to add accounts designated for Almstead Tree & Shrub Care Company LLC for the supply and planting of trees and shrubs. Account Numbers 09 21 6030 5777 C0631.
APPROVED
3. Authorize the Purchasing Agent to issue a Sole Source Purchase Order to Cargill for Treated Road Salt for Snow and Ice Control, pricing not to exceed \$87.00 per ton for normal and after-hour deliveries effective for the 2021-22 winter season.
Account No. 01 40 25 5322
AUTHORIZED
4. Technical Correction of the Common Council Action September 14, 2021, Item VII.C.3 to add accounts designated for The Grasso Companies, LLC, 1st Amendment for Project PM2021-1 Pavement Management Program. Account Numbers 09 22 4021 5777 C0021 and 09 22 4021 5777 C0503.
AUTHORIZED
5. Technical Correction of the Common Council Action September 14, 2021, Item VII.C.6 to add accounts designated for Ahneman Kirby, LLC for Project No. 4048 On-Call Surveying Services.
Account Number 01 37 50 5258.
AUTHORIZED
6. Technical Correction of the Common Council Action September 8, 2020, Item VII.A.5 to allocate \$300,000 for use on the Storm Sewer Separation Project and accounts designated for M. Rondano, Inc. for Project DRG2020-1 On-Call Drainage Improvements at Various Locations using WPCA Account Number 09 20 4062 5777 C0361.
APPROVED
- 7a. Authorize the Mayor, Harry W. Rilling, to execute an Agreement with Colonna Concrete & Asphalt Paving LLC, for Project DRG2021-1 Dreamy Hollow/Betts Brook Area Drainage, Sanitary Sewer & Water Main Improvements, for an amount not to exceed \$864,505.00 (Base Bid), \$682,815.00 (Alternate 1) and \$5,598,675.00 (Alternate 2).
Account No. 09 21 4021 5777 C0440
09 22 4021 5777 C0440
09 20 4062 5777 C0361
09 22 4062 5777 C0361
09 22 4021 5777 C0021
AUTHORIZED
- 7b. Authorize the Chief of Operations and Public Works, to execute Orders on Contract with Colonna Concrete & Asphalt Paving LLC., for Project DRG 2021-1 Dreamy Hollow/Betts Brook Area Drainage, Sanitary Sewer & Water Main Improvements, for an amount not to exceed \$715,000.00.
Account No. 09 21 4021 5777 C0440
09 22 4021 5777 C0440
09 20 4062 5777 C0361
09 22 4062 5777 C0361
09 22 4021 5777 C0021
AUTHORIZED

wastewater treatment plant can accommodate the additional sanitary sewer flow generated from the proposed connections. The proposed sanitary sewer extension shall be constructed in accordance with DPW and WPCA Sanitary Sewer Permit Process and Sanitary Sewer Main Extension Policy (adopted July 7, 2021) and be referred back to the WPCA Board for final acceptance. **APPROVED**

3. Approve the proposed sanitary sewer extension at 238 West Rocks Road to provide sanitary sewer service for the St. George Greek Orthodox Church and potential 12 parcels adjacent to the proposed extension. Through technical analyses, it was confirmed that the City's sanitary sewer collection system and wastewater treatment plant can accommodate the additional sanitary sewer flow generated from the proposed connections. The proposed sanitary sewer extension shall be constructed in accordance with DPW and WPCA Sanitary Sewer Permit Process and Sanitary Sewer Main Extension Policy (adopted July 7, 2021) and be referred back to the WPCA Board for final acceptance. **APPROVED**

4. Authorize the Mayor, Harry W. Rilling, to execute a Fifth Amendment to the August 28, 2007 Agreement for Professional Engineering Services between the City of Norwalk and A. DiCesare Associates, P.C., regarding the East Avenue Reconstruction Project, for an amount not to exceed \$95,000.00 in accordance with the attached scope of services dated September 27, 2021.

Account No. 09 12 4021 5777 C0471
09 22 4021 5777 C0471

AUTHORIZED

5. Authorize the Purchasing Agent to issue a Purchase Order to WASTEQUIP, for the purchase and installation of one (1) Compactor at the Norwalk Transfer Station, for a sum not to exceed \$233,565.67 through Sourcewell awarded contract # 040621-WQI, City of Norwalk ID #97613.

Account No. 09 15 4031 5777 C0515
09 16 4031 5777 C0515
09 21 4031 5777 C0515
09 22 4021 5777 C0798

AUTHORIZED

- 6a. Authorize the Mayor, Harry W. Rilling, to execute an Agreement with Deering Construction Inc., for Project RD2021-2 Concrete Curb and Sidewalks at Various Locations, for an amount not to exceed \$2,591,861.35, with an option to extend for two (2) additional terms of one (1) year each.

Account No. 09 22 4021 5777 C0021
09 22 4021 5777 C0318
09 22 4021 5777 C0503

AUTHORIZED

- 6b. Authorize the Chief of Operations and Public Works to execute Orders on Contract with Deering Construction Inc., for Project RD2021-2 Concrete Curb and Sidewalks at Various Locations, for an amount not to exceed \$259,186.14.

Account No. 09 22 4021 5777 C0021
09 22 4021 5777 C0503
09 22 4021 5777 C0318

AUTHORIZED

7. Authorize the Mayor, Harry W. Rilling, to execute a Third Amendment to the Woodard & Curran Agreement dated August 12, 2019, to provide on-call professional engineering services for the Storm Drainage System Evaluation

In accordance with scope of services Task Order 1G "Storm Sewer Hydrologic/Hydraulic Study" on Glendenning Street dated September 30, 2021 (copy of included) for a sum not to exceed \$191,000.00.

Account No. 09 18 4027 5777 C0440

09 21 4021 5777 C0440

09 22 4021 5777 C0440

AUTHORIZED

8. Authorize the Mayor, Harry W. Rilling, to execute a Third Amendment to the Woodard & Curran Agreement dated August 12, 2019, to provide on-call professional engineering services for the Storm Drainage System Evaluation in accordance with scope of services Task Order 1H "Storm Sewer Hydrologic/Hydraulic Study" on Glenwood Avenue dated September 30, 2021 (copy of included) for a sum not to exceed \$201,500.00.

Account No. 09 18 4027 5777 C0440

09 21 4021 5777 C0440

09 22 4021 5777 C0440

AUTHORIZED

9. Authorize the Mayor, Harry W. Rilling, to execute a Second Amendment to the original Agreement(s) with H.W. Lochner for Design and Coordination Services dated September 29, 2016 in connection with Walk Bridge Program (State Project Nos. 201-0176, 301-0188, 301-0187, 102-297, 301-180) for a total sum not to exceed \$260,179.49 – State's Share.

Account No. 100% State Reimbursable

09 18 4062 5799 C0613

AUTHORIZED

10. Authorize the Purchasing Agent to issue a purchase order to Freightliner of Hartford, East Hartford, Ct. for the purchase of one (1) 2023 M2 106 Freightliner Plow Truck for a sum not to exceed \$176,474.20.

Account No. 09 22 4031 5777 C0313

AUTHORIZED

11. Approve the revisions to the City of Norwalk Department of Public Works Standard Detail Drawing – "Historical Lights, Light Poles, Light Pole Foundations and Conduit Trenching": a) incorporating the new proposed 40 Watt, 2700 Kelvin "William & Mary" style, Dark-Sky compliant fixture that South Norwalk Electric and Water is proposing within the Second Taxing District; b) for the other districts all new ornamental lightning fixtures should be Dark-Sky compliant with lumen levels not to exceed recommended IES standards of 2700 Kelvin or 3000 Kelvin for color temperature.

APPROVED

C. LAND USE AND BUILDING MANAGEMENT COMMITTEE

1. Authorize the Mayor, Harry W. Rilling, to execute a location agreement with BH Phone Company for the filming and production of Mr. Harrigan's Phone at the Lockwood Mathews Mansion Museum.

AUTHORIZED

2. Authorize the Historical Commission to execute change orders on Contract with Pinnacle Design Build, LLC for the Mill Hill Jail and Barn Site Accessibility Alternation Project – Phase 2 by increasing the change order allowance from \$33,464.54 to \$57,000.00 Acct. #09196310 5799 C0374, 09196310 5777 C0430 and 09216310 5777 C0521

AUTHORIZED

**COMMON COUNCIL
NORWALK, CONNECTICUT**

**ACTION
7:30 PM EST**

**OCTOBER 12, 2021
VIA TELECONFERENCE**

in accordance with scope of services Task Order 1G "Storm Sewer Hydrologic/Hydraulic Study" on Glendenning Street dated September 30, 2021 (copy of included) for a sum not to exceed \$191,000.00.

Account No. 09 18 4027 5777 C0440

09 21 4021 5777 C0440

09 22 4021 5777 C0440

AUTHORIZED

8. Authorize the Mayor, Harry W. Rilling, to execute a Third Amendment to the Woodard & Curran Agreement dated August 12, 2019, to provide on-call professional engineering services for the Storm Drainage System Evaluation in accordance with scope of services Task Order 1H "Storm Sewer Hydrologic/Hydraulic Study" on Glenwood Avenue dated September 30, 2021 (copy of included) for a sum not to exceed \$201,500.00.

Account No. 09 18 4027 5777 C0440

09 21 4021 5777 C0440

09 22 4021 5777 C0440

AUTHORIZED

9. Authorize the Mayor, Harry W. Rilling, to execute a Second Amendment to the original Agreement(s) with H.W. Lochner for Design and Coordination Services dated September 29, 2016 in connection with Walk Bridge Program (State Project Nos. 201-0176, 301-0188, 301-0187, 102-297, 301-180) for a total sum not to exceed \$260,179.49 – State's Share.

Account No. 100% State Reimbursable

09 18 4062 5799 C0613

AUTHORIZED

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Account No. 09 22 4031 5777 C0313

AUTHORIZED

11. Approve the revisions to the City of Norwalk Department of Public Works Standard Detail Drawing – "Historical Lights, Light Poles, Light Pole Foundations and Conduit Trenching": a) incorporating the new proposed 40 Watt, 2700 Kelvin "William & Mary" style, Dark-Sky compliant fixture that South Norwalk Electric and Water is proposing within the Second Taxing District; b) for the other districts all new ornamental lightning fixtures should be Dark-Sky compliant with lumen levels not to exceed recommended IES standards of 2700 Kelvin or 3000 Kelvin for color temperature.

APPROVED

C. LAND USE AND BUILDING MANAGEMENT COMMITTEE

1. Authorize the Mayor, Harry W. Rilling, to execute a location agreement with BH Phone Company for the filming and production of Mr. Harrigan's Phone at the Lockwood Mathews Mansion Museum.

AUTHORIZED

2. Authorize the Historical Commission to execute change orders on Contract with Pinnacle Design Build, LLC for the Mill Hill Jail and Barn Site Accessibility Alternation Project – Phase 2 by increasing the change order allowance from \$33,464.54 to \$57,000.00 Acct. #09196310 5799 C0374, 09196310 5777 C0430 and 09216310 5777 C0521

AUTHORIZED

**COMMON COUNCIL
NORWALK, CONNECTICUT**

**ACTION AGENDA
7:30 PM EST**

**DECEMBER 14, 2021
VIA TELECONFERENCE**

8. Authorize the Mayor, Harry W. Rilling, to execute a Fourth Amendment to the Woodard & Curran Agreement dated August 12, 2019, to provide Construction Administration services associated with "Dreamy Hollow/Betts Brook Area – Drainage, Sanitary Sewer, & Water Main Improvements" construction project in accordance with scope of services Task Order 1F dated December 01, 2021 (copy of included) for a sum not to exceed \$291,400.00.

Account No. 09 19 4027 5777 C0425
09 21 4021 5777 C0440
09 22 4021 5777 C0440
09 18 4062 5777 C0361
09 19 4062 5777 C0361
09 20 4062 5777 C0361
09 22 4062 5777 C0361

AUTHORIZED

9. Authorize the Purchasing Agent to issue a Purchase Order to United Concrete Products Inc. for the pre-cast box culvert for the Rowayton Ave over Keelers Brook Bridge as a Sole Source request for the amount of \$244,130.00 (Proposal) plus \$24,413.00 (10% contingency).

Account No. 09 21 4021 5777 C0315

AUTHORIZED

- 10a. Authorize the Mayor Harry W. Rilling, to execute and Agreement (Sole Source) with FGB Construction Company for Project BR2021-1 Rowayton Avenue over Keelers Brook Bridge for the amount not to exceed \$679,407.00.

Account No. 09 06 4021 5777 C0315
09 21 4021 5777 C0315
09 22 4021 5777 C0315

AUTHORIZED

- 10b. Authorize the Chief of Operations and Public Works, to execute Orders on Contract with FGB Construction Company for Project BR2021-1 Rowayton Avenue over Keelers Brook Bridge for the amount not to exceed \$135,882.00.

Account No. 09 21 4021 5777 C0315
09 22 4021 5777 C0315

AUTHORIZED

E. RECREATION, PARKS AND CULTURAL AFFAIRS

1. Authorize the Mayor, Harry W. Rilling, to enter an Agreement with Whittingham Cancer Center for the use of Calf Pasture Beach and immediate surrounding grounds by Whittingham Cancer Center for their Whittingham Cancer Center Walk and Run to be held on Saturday, May 14, 2022 from 7:00 AM to 1:00 PM. Set-up to begin at 5:00 AM with tear-down no later than 1:00 PM. Approximate attendance 1500-2000 people. **AUTHORIZED**
2. Authorize the Mayor, Harry W. Rilling, to enter into an agreement with the Alzheimer's Association for the use of Calf Pasture Beach and immediate surrounding grounds by Alzheimer's Association Connecticut for their Walk to End Alzheimer's to be held on Sunday October 9, 2022 from 8:00 AM to 12:00 PM. Set-up to begin at 5:30 AM with a tear-down no later than 1:00 PM. Approximate attendance 1500 people. **AUTHORIZED**

V. COUNCIL PRESIDENT

Council President Livingston announced the formation of two Ad Hoc Committees – an Ad Hoc Sustainability Resiliency Committee to be headed by Councilwoman Shanahan and an Ad Hoc Affordable Housing Committee to be headed by Councilman Burnett.

A. GENERAL COUNCIL BUSINESS:

- B. CONSENT CALENDAR:** VII.A.1, VII.B.2, VII.B.3, VII.C.1, VII.C.3, VII.C.5, VII.D.1a, VII.D.1b, VII.D.2a, VII.D.2b, VII.D.2c

VI. REPORTS: DEPARTMENTS, BOARDS AND COMMISSIONS

A. CORPORATION COUNSEL

VII. COMMON COUNCIL COMMITTEES

A. RECREATION, PARKS AND CULTURAL AFFAIRS COMMITTEE

1. Authorize the Mayor, Harry W. Rilling, to enter an Agreement J. S. Endurance for the use of Veterans Park Memorial and immediate surrounding grounds for their SONO Half Marathon/5K & Kid Run to be held on Sunday, October 2, 2022 from 8:30 AM to 12:00 PM. Set-up to begin Friday, September 30, 2022 at 8:30 AM with tear-down no later than Sunday, October 30, 2022 at 3:00 PM. Approximate attendance 1800 people. **AUTHORIZED**

B. PUBLIC SAFETY AND GENERAL GOVERNMENT COMMITTEE

1. Authorize the Purchasing Agent, Sharon Connors, to execute the purchase order on behalf of the Police Department to MHQ Inc. under the state contract, CT 12PSX0194, for the purchase of ten (10) 2022 Ford Utility Interceptor Hybrid Police Vehicles for the amount not to exceed \$367,976.00. Account # 0922 3010-5777-C0665. **AUTHORIZED**
2. Authorize the Mayor, Harry W. Rilling, to execute an agreement with Fleet Auto Supply, under RFP project number 4123 for the up-fit of police vehicles each year for an amount not to exceed, 200,000 per year for an initial term of 3 years with 2 optional 1 year renewals. Account # 0922 3010 5777 C0665 **AUTHORIZED**
3. Approval of the elimination of the Ordinance bonus pool. **APPROVED**

C. PUBLIC WORKS COMMITTEE

1. Authorize the Mayor, Harry W. Rilling, to execute an Agreement between the City of Norwalk and Tighe & Bond, Inc., for Professional Engineering Services for the Project 4177/DRG2022-1 Design and Permitting for Lockwood Lane & Heather Lane Storm Drainage Improvements, on an hourly basis, for a sum not to exceed \$ 256,000.00. Account No. 09 22 4021 5777 C0440 01 0 30 5258 **APPROVED**

09 21 4021 5777 C0234
09 22 4021 5777 C0234
09 21 4021 5777 C0302
09 22 4021 5777 C0302
09 21 4021 5777 C0315
09 22 4021 5777 C0315
09 21 4021 5777 C0318
09 22 4021 5777 C0318
09 21 4021 5777 C0503
09 22 4021 5777 C0503
09 21 4021 5777 C0440
09 22 4021 5777 C0440
09 21 4021 5777 C0471
09 22 4021 5777 C0471
09 21 6030 5777 C0365
09 22 6030 5777 C0365
09 20 6030 5777 C0657

AUTHORIZED

3. Authorize the Mayor, Harry W. Rilling, to execute the 1st Amendment to the April 13, 2021 Agreement between the City of Norwalk and The Grasso Companies, LLC, for Project PM2021-1, Pavement Management Program, for an amount not to exceed \$1,000,000.00.

Account No. 09 20 4021 5777 C0021
09 21 4021 5777 C0021
09 21 4027 5777 C0302
09 20 4021 5777 C0503
09 21 4021 5777 C0503
09 20 4021 5777 C0649
09 21 4021 5777 C0318
03 00 00 2602

AUTHORIZED

4. Authorize the Mayor, Harry W. Rilling, to execute an Agreement between the City of Norwalk and Almstead Tree & Shrub Care Company LLC for the supply and planting of trees and shrubs for an amount not to exceed \$130,000 per year. The Agreement is for a period of three (3) years, with an option to extend for two (2) additional terms of one (1) year each.

Account No. 09 22 4021 5777 C0233
09 22 6030 5777 C0370
09 22 4120 5777 C0649

AUTHORIZED

5. Authorize the Mayor, Harry W. Rilling, to execute any and all documents related to State Project 102-364 West Avenue Traffic Adaptive Signal Project:

A. DiCesare Associates, P.C.
690 Clinton Avenue, Bridgeport, Connecticut 06604
phone: 203-696-0444 * website: www.adicesarepc.com

March 31, 2022

Mr. Anthony R. Carr, P.E.
Chief of Operations and Public Works
City of Norwalk
Department of Public Works
125 East Avenue, City Hall
Norwalk, Connecticut 06856-0798

Attn: Mrs. Vanessa Valadares, P.E.
Project Manager

Re: TMP Improvements along East Avenue, Cemetery Street, and Gregory Boulevard
ADA File No. 207023.6

Dear Mrs. Valadares:

Transmitted herewith is our Scope of Work & Cost Proposal to perform services in connection with the above referenced project. We hope and trust the supporting documentation is adequate and appropriate.

Should there be any questions or need for additional information, please do not hesitate to contact me.

Very truly yours,
The Office of
A.DiCesare Associates, P.C.



Arthur DiCesare, P.E.
Engineer-in-Charge

Scope of Work -Supplemental Services

✓ General Description

During the design process of the WALK PROGRAM, the City of Norwalk's Transportation, Mobility, and Parking (TMP) Unit evaluated a portion of the East Avenue Roadway Improvements Project (Project No. 102-297), as part of the City's Community Connectivity Initiative. The improvements incorporated in the conceptual designs, are aligned with the overall goals outlined in the East Norwalk Transit Oriented Development (TOD) Plan approved in 2021. Design as generally depicted in reference to the March 2022 conceptual design plans submitted.

Specifically, the "Project Limits" under consideration are defined as:

- East Avenue, south of Winfield Street to Van Zan Street
- Cemetery Street from East Avenue to Gregory Boulevard
- Gregory Boulevard (north of Cemetery Street, to south of Winfield Street)

Proposed revisions to the Project are as follows:

- Reshape the traffic island, south of Winfield / north of Roger Square between Gregory Boulevard and East Avenue
- Reshape the traffic island at East Avenue & Cemetery Street, include sidewalks and ramps
- Reshape the traffic island at Cemetery Street & Gregory Boulevard, include sidewalks and ramps
- Modify the curb lines along East Avenue; Cemetery Street; Gregory Boulevard & Rowan Square; within the Project Limits
- Run vehicle turning templates at four key locations, Van Zant Street at East Avenue, Roger Square at East Avenue, Gregory Boulevard at East Avenue, and Roger Square at Emerson
- Realign Emerson Street
- Realign Roger Square
- Reverse one way traffic flow direction on Roger Square
- Relocate the Bus Stop along East Avenue
- Re-establish a roadway baseline along East Avenue; Cemetery Street; Gregory Boulevard
- Revise Pavement Markings within the Project Limits
- Per CT DOT approval, include 11ft travel lanes throughout the project limits with a 1ft shoulder width along new baseline of East Avenue, Cemetery Street, and Gregory Boulevard
- Include street trees where applicable within amenity areas
- Revise Roadway Cross Sections along East Avenue
- Develop Roadway Cross Sections along Cemetery Street & Gregory Boulevard
- Develop a continuous sidewalk & curbing around the East Norwalk Cemetery
- Include crosswalks within the Project Limits as directed by TMP
- Include a bike lane within the Project Limits as directed by TMP
- Include bike crossing treatments, jug handles, as depicted within the concept plan

✓ **Scope of Work**

1. Project Design Revisions

Revise and Update Plans, Specifications, Cost Estimate, and other affected Project Documents to incorporate the above referenced changes. The following tasks will be performed under this scope of work:

- Revise Alignment Plans (HWY-06 & HWY-09)
- Revise Typical Roadway Sections along Project Limits (HWY-10 & HWY-11)
- Revise Roadway Plans along Project Limits (HWY-15 & HWY-18)
- Revise Curbing Tables (HWY-19)
- Revise Roadway Profile along East Avenue (HWY-24)
- Develop Roadway Profile along Cemetery Street (HWY-24A)
- Develop Roadway Profile along Gregory Boulevard (HWY-24B)
- Revise Roadway Drainage Plan & Profile along Gregory Boulevard (HWY-20, HWY-23, HWY-28 & HWY-29)
- Revise Roadway Cross Sections (HWY-31, HWY-32, HWY-33 & HWY-34)
- Develop Roadway Cross Sections along Cemetery Street (HWY-34A, HWY-34B & HWY-34C)
- Develop Roadway Cross Sections along Gregory Boulevard (HWY-34D, HWY-34E, HWY-34F, HWY-34G & HWY-34H)
- Revise Pavement Markings Plan along Project Limits (HWY-46 & HWY-49)
- Revise Quantities and Cost Estimate along Project Limits

2. Preparation of Design Exceptions Report

ADA will review design features for an Urban Principal Arterial to the proposed improvements along the Project Limits. Design features considered would include the following:

- Design Speed (City is requesting 25 mph design speed)
- Lane Width
- Shoulder Width
- Sidewalk Width
- Grade (minimum)
- Grade (maximum)
- Stopping Sight Distance
- K-Value
- Cross Slope
- Shoulder Cross Slope (Width < 4 feet)
- Clear Zone
- Intersection Sight Distance
- Evaluate Bike Jug Handles at key locations

March 28, 2022

The criteria for comparison will be:

- Connecticut Department of Transportation Highway Design Manual, 2003 Edition (including revisions to June 2020)
- City of Norwalk Connecticut Department of Public Works Roadway Standards, May 1982 (amended March 2021)

Based on ADA findings, ADA will prepare and submit a Design Exceptions Report to the Connecticut Department of Transportation (CTDOT) requesting acceptance of the Design Exceptions presented.

Subsequent to the Report submission, it is anticipated that ADA will present the Design Exceptions Request to the CTDOT, under this task.

3. Project Related Meetings

It is anticipated that ADA will participate in three (3) project related meetings with the City of Norwalk and three (3) project related meetings with the Connecticut Department of Transportation, under this task.

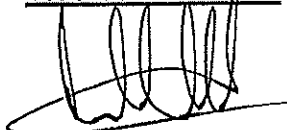
ADA will prepare and distribute Meeting Minutes for each.

A.DICESARE ASSOCIATES, P.C.

Submitted by: 
Arthur DiCesare, P.E.

Date: March 28, 2022

CITY OF NORWALK


Concurred by:

Date: 03/29/22

TMP Improvements along East Avenue, Cemetery Street, and Gregory Boulevard

in the City of Norwalk, CT

TASK DESCRIPTION		Project Manager	Project Engineer	Senior Engineer	Engineer	Totals	reimbursable expenses (allowance)
1.1 Contract Documents		24	52	132	132	340	
1.2 Project Specifications		4	16	32		52	
1.3 Compilation of Construction Cost Estimate		4	16	32	32	84	
1.4 Compilation of Construction Schedules		4	8	16	16	44	
2.1 Preparation of Design Exceptions Report		12	80	40		132	
3.1 Meetings		24	48			72	
TOTAL HOURS		72	220	252	180	724	\$ 500
AVERAGE HOURLY RATES		\$115	\$70	\$50	\$45		
DIRECT LABOR		\$8,280	\$15,400	\$12,600	\$8,100	\$44,380	
BURDEN, FRINGE & OVERHEAD (103%)		\$8,528	\$15,862	\$12,978	\$8,343	\$45,711	
SUBTOTAL		\$16,808	\$31,262	\$25,578	\$16,443	\$90,091	
PROFIT (10%)		\$1,681	\$3,126	\$2,558	\$1,644	\$9,009	
TOTAL		\$18,489	\$34,388	\$28,136	\$18,087	\$99,101	\$ 500
		TOTAL \$	99,601				
		SAY \$	100,000				



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

Phone: 860-594-2975



March 30, 2022

The Honorable Harry W. Rilling
Mayor
City of Norwalk
125 East Avenue
Norwalk, Conn. 06851
HRilling@norwalkct.org

Dear Mayor Rilling:

Subject: **Project Authorization Letter**
Traffic Signal Upgrades and Installation of Dynamic Message Systems
State Project No. 102-360
Federal-Aid Project No. 1102(123)
DUNS No. 022716620
Master Agreement No. 11.29-02(12)
CORE ID No. 13DOT0237AA
City of Norwalk

On April 25, 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 is to include the design and implementation of an intelligent transportation system by accommodating the traffic diverting from I-95 to local roadways. Also included is the upgrading of traffic control signals, disseminating traveler information to the public through dynamic message signs, optimizing traffic operations within the city limits, and the development of a Diversion Routes Operation Plan (DROP).

Funding for the Construction Project is provided under the Congestion Mitigation Air Quality Program (CMAQ) with a funding ratio of one hundred percent (100%) Federal funds. Payment will be on a reimbursement basis. The maximum reimbursement to the Municipality under this PAL is \$2,759,529. 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 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. The Municipality shall assume full responsibility for all maintenance, repair, and rehabilitation of all traffic signal equipment upon completion of the project, to the satisfaction of the DOT and Federal Highway Administration.

This Construction Project has been assigned a DBE goal of two percent (2%) for construction. 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 April, 29, 2022 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 by hard copy, 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, Sebastian A. Cannamela, at (860) 594-2698 or at Sebastian.Cannamela@ct.gov

Very truly yours,

James A. Fallon, P.E.
Assistant Chief Engineer
Bureau of Engineering and Construction

Enclosures

MUNICIPALITY'S ACKNOWLEDGEMENT OF PAL:

Concurred By: _____ Date: _____
The Honorable Harry W. Rilling
Mayor

PAL ATTACHMENT
STATE PROJECT NO. 102-360
FEDERAL-AID PROJECT NO.1102(123)
ESTIMATED CONSTRUCTION COSTS

PARTICIPATING CMAQ (Federal – 100%)

A. Contract Items.....	\$ 2,759,529
B. Incidentals to Construction – DOT Materials Testing	\$ 54,356
C. Incidentals to Construction – DOT Administrative Oversight.....	\$ 140,890
D. Incidentals to Construction – DOT Audits	\$ 7,000
E. Extra Work Allowance - DOT Forces (+/-10% of [B+C+D]).....	\$ 20,225
F. Total Incidentals to Construction – DOT (B+C+D+E).....	\$ 222,471
G. Total Construction Cost – Participating –(A+F).....	\$ 2,982,000

NON-PARTICIPATING – eligible but over the capped CMAQ funds

H. Contract Items and Bid Alternatives	\$ 258,897
I. Contingencies (10% of A + H)	\$ 301,843
J. Incidentals to Construction – Municipal Services.....	\$ 0
K. Incidentals to Construction – Municipal- Design Services During Construction.\$	0
L. Extra Work Allowance – Municipal Services [+/-10% of (J+K)].....	\$ 0
M. Total Municipal Costs – Non-participating (H+I+J+K+L).....	\$ 560,740

SUMMARY

N. Total Construction Cost of the project (G+M).....	\$ 3,542,740
O. Federal Proportionate Share of the Total Construction Cost (A+F).....	\$ 2,982,000
P. State Proportionate Share of the Total Construction Cost (0%* of G).....	\$ 0
Q. Maximum Amount of Reimbursement to the Municipality (100% of A).....	\$ 2,759,529
R. Demand Deposit Required from the Municipality (0%* of F).....	\$ 0

Thomas Faenza/tf

bcc: Scott A. Hill – James A. Fallon

Theodore H. Nezames

Michael N. Calabrese – Susan M. Libatique – Sebastian A. Cannamela

Robert C. Card – Eugene V. Falcone – Diane Lefrancois

Christian F. Davis

DOT.FedBilling@ct.gov

Vincent P. Hogan

Laenny Fraticelli – Angela Collin

Darren Meyers – Kelly Cain – Bruce Adelstein

Jean C. Miller – Janet Whitehill

DOT.ExternalAudits@ct.gov

DOT.PFM@ct.gov

DOT.CentralFiles@ct.gov

DOT.COGCoordinationUnit@ct.gov

Digitally signed
by Sebastian A.
Cannamela
Date:
2022.03.30
13:43:50-0400

Digitally signed
by Susan M.
Libatique
Date:
2022.03.29
18:34:50-0400

Digitally signed
by Sebastian A.
Cannamela
Date:
2022.03.29
15:12:12-0400

L-18_CN PAL – New Project

Rev. 7/26/2019