

Fairfield Public Schools
Fairfield, CT 06825

TO: Dr. Toni Jones, and Members of the Board of Education

FROM: Thomas P. Cullen

DATE: December 20, 2016

RE: Fairfield Public Schools
2017-2018 Non-Recurring Project Request/Questions from BOE Members

At the December 13, 2016 BOE Meeting several questions were asked regarding the 2017-2018 Non-Recurring Projects request that require follow up information which is listed below.

FWHS LMC HVAC Rooftop Replacement

1. Age of the existing unit?

The existing HVAC Rooftop Unit was originally installed in 1995.

2. How many years do we get out of a new unit?

Trane Manufacturing reports 15-20 years.

3. Cost of maintenance material and labor over the past five years?

2012-2013

Outside contracted work:

<i>Drive and drive kit</i>	\$ 2,406.25
<i>Trane condenser coils</i>	\$ 7,612.80

Internal HVAC technicians work:

<i>Work Order – None</i>	\$ 0.00
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2013-2014

Outside contracted work:

<i>Control module and thermostat interface board</i>	\$ 417.63
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Internal HVAC technicians work:

<i>Work Order ID 729 – 3.00 hours – no A/C</i>	\$ 195.00
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2014-2015

Outside contracted work:

<i>Compressor, lock out thermostat, labor and materials</i>	\$ 6,669.20
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<i>Internal HVAC technicians work:</i>	
<i>Work Order ID 7485 – 1.00 hour – A/C off</i>	<i>\$ 65.00</i>
 2015-2016	
<i>Outside contracted work:</i>	
<i>ACT Module parts and labor</i>	<i>\$ 629.80</i>
 <i>Internal HVAC technicians work:</i>	
<i>Work Order ID 17838 – 6.00 hours – no heat</i>	<i>\$ 390.00</i>
 2016-2017	
<i>Outside contracted work:</i>	
<i>None to date</i>	<i>\$ 0.00</i>
 <i>Internal HVAC technicians work:</i>	
<i>Work Order ID 18494 – 4.00 hours – no heat</i>	<i>\$ 260.00</i>

TMS Partial Roof Replacement

1. How many roofs are on TMS and what roofs will be left for replacement?

TMS Has a total of 16 roofs that make up the whole building.

8 roofs make up the 2017-2018 non-recurring project request and are from 1991 installation.

The warranty on these roofs expired in 2011.

The funding of the Roof Preventative Maintenance program allowed us to keep these roofs in fairly good shape and to get us to today, and into next year-2017, when we would be prepared to replace these roofs over the summer.

7 roofs make up the latest addition and renovation from 2004 and completed with a Certificate of Occupancy in 2007.

The warranty on these roofs will expire in 2025.

If we continue to fund our Roof Preventative Maintenance program, it is my opinion and experience that we can add at least 5 more years to the expiration, which will get us to 2030.

1 roof is from a 2002 installation.

The warranty on this roof will expire in 2022.

If we continue to fund our Roof Preventative Maintenance program, it is my opinion and experience that we can add at least 5 more years to the expiration, which will get us to 2027.

FWHS Artificial Turf Field Replacement

1. Could the Town of Fairfield Health Department provide approval and/or feedback on the use of the crumb rubber system and product for use in Fairfield?

Tom,

Regarding crumb rubber fill for turf fields here is what I have come across. At this point the tire crumb studies don't show any elevated health risks but say more studies are needed. EPA and several other federal agencies have a large multi-prong study going on now and have said results should be out by end of 2016 but I have not seen any report yet.

Sands

From CT Department of Public Health website and fact sheet:

Have any studies shown health effects with exposure to crumb rubber chemicals?

The U.S. Environmental Protection Agency (EPA) states that current information from a number of tire crumb studies does not show an elevated health risk from playing on fields with artificial turf or tire crumbs. These studies include a 2010 Connecticut Department of Public Health study that was published in 2011 (see below). There is still uncertainty, however, and additional investigation is warranted.

http://www.ct.gov/dph/cwp/view.asp?a=3140&q=464068&dphNav_GID=1828

DPH's assessment found no health concern from inhaling chemicals at outdoor crumb rubber fields tested as part of this study.

http://www.ct.gov/dph/lib/dph/communications/pdf/artificial_turf_fs_2015-dec.pdf

From US EPA:

Current information from a number of studies does not show an elevated health risk from playing on fields with tire crumb.

<https://www.epa.gov/chemical-research/tire-crumb-questions-and-answers>

Systemwide Security Infrastructure Upgrade

1. History of State of Connecticut grants for security work in educational facilities and specifically for Fairfield Public Schools?

There have been three rounds of School Security Competitive Grant Program (SSCGP):

- *Fiscal year 2008-09*
- *Fiscal year 2012-13*
- *Fiscal year 2013-14*

We applied in all three rounds but were only successful in the 2012-13 round.

We received \$147,296 on a total project costs of \$535,594 – or 27.5%

At the Region 1 ESF 5 meeting on 11/14/16 the folks from Region 1 stated that there will be an announcement from CT-DEMHS in a couple of months of another round of the SSCGP. As of today there is no additional information on the next round of this grant program.

We will continue to check on this and if and when it becomes available, we will apply for Fairfield Public Schools.

FLHS Student Parking Lot Replacement

1. How frequently do we need to pave school parking lots?

With the proper reclaiming of old material, good subbase materials, and the recommended two pour bituminous system, we should be able to get 20 years for a school parking lot. Sealing cracks when needed.

If you have any questions or concerns regarding this information, please feel free to contact me at (203) 255-8373.

Thank you.

c: Meg Brown
Central Office Administrators