


TOWN of TOLLAND / 21 tolland green, tolland, connecticut 06084

Steven R. Werbner
Town Manager
(860) 871-3600
swerbner@tolland.org

December 19, 2013

TO: TOWN COUNCIL

FROM: STEVEN R. WERBNER 

SUBJECT: FIVE-YEAR CAPITAL BUDGET

In accordance with Section C9-5 of the Town Charter, I submit to you the Five-Year Capital Plan covering the 2014/2015-2018/2019 fiscal years. This plan identifies the public improvements deemed necessary over the next five years which meet the parameters for inclusion in the Capital Budget. The Town's Capital Budget guidelines define a capital project as:

- a. Any new or expanded physical facility, including preliminary design and related professional services.
- b. Land or property acquisition.
- c. Items of a non-recurring nature where the benefits are realized over a long period of time.
- d. The project's outcome, non-recurring in nature should have a useful life of greater than eight years.
- e. Cost should be relatively high, non-operative expenditure for the Town; generally in excess of \$10,000 for equipment or plant facility improvements.

The major funding sources for capital improvements are the general fund, CNRE, non-referendum notes, referendum notes, ambulance revenue and state grants. While I recognize the continued concerns resulting from the economic uncertainties of our times, the Capital Plan, as presented, is recognition of the need to continue to the extent possible the investment of prior years so that the facilities, infrastructure and equipment remain useful and can be operated in a safe manner. During last year's budget process, the general fund portion of the Capital Improvement Plan was reduced to \$141,991 which was the lowest amount over the last five years and represented just .27% of the total budget. By comparison the amount in 2008/2009 was \$506,037 representing 1.10% of the total budget. Recognizing our capital needs as well as budgetary concerns I am recommending a capital improvement plan that includes in year one a general fund contribution of \$166,737. This is an increase of \$24,746 in the general fund contribution in comparison to the current year. Over the past two years we have used a portion of the Property Tax Relief Grant as a source of revenue to offset the general fund contribution to the Capital Improvements account to help reduce the overall tax impact. Unfortunately this grant source will not be available in the next fiscal year. Included as part of my recommendation for

Year One is \$1,344,357 in non-referendum borrowing to cover the costs of large heavy equipment, road maintenance and improvements in schools which includes facade repairs at Tolland Intermediate School and district wide security upgrades.

Over a number of years the Town has made a major investment in the construction of facilities including Town and Board of Education buildings as well as park and recreation fields and hard court surfaces. Similar investments have been made in the Town's infrastructure consisting primarily of roads, bridges and drainage as well as in the Town's heavy equipment rolling stock. I recognize that in difficult financial times, it is often found to be easy to reduce mill rates by reducing capital budgets. However, by deferring needed projects, capital purchase costs continue to rise and infrastructure continues to deteriorate.

Even taking into consideration the recently approved five million dollar borrowing for road improvements as well as the Library Expansion Project, the Town's immediate ability to bond to a greater extent for other improvements over the next several years is in large amount made possible due to a declining debt schedule. Any authorized debt financing will be structured to minimize the impact on the next fiscal year's budget. Debt burden of Tolland, according to the Fitch Bond Rating Agency, is "moderate on a per capita basis and in relation to property values. While debt levels have increased in recent years as a result of additional public investment in schools, sewer infrastructure and open space, future planned debt is manageable and shall ensure a moderate debt burden going forward". Non-referendum borrowing is permissible in the next year pursuant to the Town Charter not to exceed \$1,957,995 which is 5% of the grand levy. The Town's financial advisor would like to present the updated Financial Management Plan at the second meeting in January. Attachment 1 is a summary of debt service which includes the impact of the financing I have recommended in the Five Year Capital Plan. Included within this assumption is the remaining debt associated with our \$5 million road issue, the recommended five year Capital Plan and the two large facility projects in the plan addressing needs at Fire Stations and Public Works. The additional amount borrowed in this assumption is \$17.7 million over the five years. Due to declining debt service, the additional debt for this borrowing recommended adds a rather modest amount of \$46,169 in the peak year of 2015/2016 to the amount of existing debt that we are currently carrying. In the next year debt service would decrease by \$150,000 and in 2015-2018 there would be modest increases of not more than \$46,169 annually. In subsequent years there is a precipitous year to year decline in debt service.

Significant projects included in Year One are as follows:

- Repair of Building Facade cracks at TIS at an estimated cost of \$412,661.
- Security improvements at school buildings at a cost of \$300,000 with 50% of the cost possibly covered by a State grant.
- Replacement of heavy equipment in Highway Department at a cost of \$270,000.
- Road reconstruction at a cost of \$750,000.

Facility projects that I have included in Year Four and Five of the Plan are additions and upgrades to Stations 140, 340 and 440 and in Year Five the construction of a centralized Public Works Complex and conversion of the existing Parks and Highway buildings for other uses.

Although not part of the Capital Plan, it should be noted that our debt financing plan is also impacted by the purchase of additional open space property. Currently there remains \$1 million in the open space fund with the source being primarily grant proceeds and it is anticipated that we will continue to pursue purchase of additional land as it becomes available as well as state open space grants.

The Town has approximately 132 miles of road for which it is responsible. It is the Town's goal to extend as long as possible the useful life of a road before complete reconstruction is required. The Town engaged VHB Engineering Services to implement an automated road management program. This program involves the review of all 132 miles of road and the development of a standard data base that can be used to recommend priorities for future maintenance work. The results of the study were used this past year to determine priorities for road improvements and will continue to be used in the future. Upon recommendation of the consultants, I am including \$750,000 per year for road maintenance which increases to \$1 million in Year Five at which time our Five Year bond issue for roads will have been completed. The majority of the funding for annual road improvement allocation comes from either Town Aid Road funds, LOCIP or non-referendum notes. This annual allocation along with the recently approved five million dollar road bond issue will help the Town improve its overall road inventory ranking. Copies of the VHB updated five-year plan will be forwarded to the Town Council within the next several weeks. Also VHB will make a formal presentation regarding their recommendation at the Public Hearing on the Capital Budget.

In the current year's Capital Budget I added a new category under Public Works to institute a more aggressive tree trimming program within the Town. As you are aware, the utility company is only responsible for trimming trees on the side of the road where power lines are located. Trees overhanging the road or in danger of impacting wires on the other side is the responsibility of the Town. During last year's storm the tree company addressing hanging branches also tagged some two hundred trees along the road sides that they felt should be removed. With the increased frequency of major storms impacting power lines we must be more conscious of the need to address this issue. The fact that we did not have as much damage to our infrastructure during Storm Sandy can in some part be attributed to the tree trimming work done by CL&P over the last year. I am suggesting that we allocate \$118,273 in each of the next two years from LOCIP to address the immediate need of removing the marked trees.

Capital equipment is another area of immediate concern with many of the pieces being operated as first line equipment well beyond their useful life. The cost to keep this equipment on the road is extremely high and the excessive amount of downtime of the equipment can impact the effectiveness of Town operations. As part of this memo

(Attachment 2), I am providing you with a complete listing of all Town rolling stock and its normal useful life. You will see that the Town normally keeps equipment well beyond its useful life which does create significant maintenance and operation concerns. Replacement costs for such equipment are in the \$150,000 range making it difficult to budget for more than one piece of equipment per year provided that the Council does not want to use non-referendum notes or lease purchase financing for such purposes. As part of this memo (Attachment 3), I have provided for you a replacement and rotation plan for staff vehicles which maximizes utilization of such vehicles so that their useful life is between 8-12 years.

I have worked with the Superintendent of Schools, Bill Guzman as well as John Carroll to incorporate the most significant BOE capital requests into the five year plan. The BOE has several large renovation needs particularly at the Intermediate School where there are needs to repair building façade cracks as well as the removal and replacement of asbestos floor tiles. In the current Capital Plan there was \$216,738 approved for the repair of façade cracks. The start of this project has been delayed due to concerns about the potential that the caulking in the expansion joints between the bricks may contain polychlorinated biphenyls (PCB's). Friar Associates is the architectural firm working with the Board of Education and they have recently submitted a revised estimate of the project totaling \$412,661 which includes an allowance for removal of contaminated caulking. The asbestos floor tile project has been moved to Year Two of the plan. In Year One of the Plan I have also included the possible security upgrades at all schools at a cost of \$300,000. It is our hope that State grant funds will be available to fund 50% of the cost. I have included for your information a complete list of the items as originally recommended for inclusion by the Board of Education (Attachment 4).

Also included as Attachment 5 to this memo is Charter required information on the status of accounts of existing capital projects as well as the estimated operation expense for new facilities or additions to facilities recommended in the Plan.

Town staff stands ready at any time to discuss the details of this plan and look forward to continued dialogue on the importance of properly investing in the upkeep of the Town's capital needs. The Public Hearing on the Capital Budget is scheduled for Feb. 20, 2014.

SRW/ltb
Attachments

cc: William D. Guzman
Lisa A. Hancock
Department Heads

5-YEAR CAPITAL IMPROVEMENT PLAN BUDGET SUMMARIES

YEAR 1: FY 2014-2015

YEAR 2: FY 2015-2016

YEAR 3: FY 2016-2017

YEAR 4: FY 2017-2018

YEAR 5: FY 2018-2019

**FIVE YEAR CAPITAL IMPROVEMENT PLAN
BUDGET SUMMARIES FOR FISCAL YEARS 2014-2015 THROUGH 2018-2019**

Italic indicates the recurring projects

PROJECT SUMMARY DESCRIPTIONS	Project Cost	Existing Funds for next budget	1 FY 2014-2015	2 FY 2015-2016	3 FY 2016-2017	4 FY 2017-2018	5 FY 2018-2019	Funding Totals FY 2015-2019
TOWN ADMINISTRATION								
Town Administration								
<i>Replacement of Light Duty Vehicles</i>	138,477	33,924	24,785	24,784	20,113	18,218	16,653	138,477
<i>Replacement of Asst. Public Safety Director Vehicle</i>	70,000			70,000				70,000
<i>Board of Education Vehicles</i>	25,500		23,500					25,500
<i>Information Technology Improvements</i>	55,300	64,300	55,300					55,300
<i>WPCA Facility Plan</i>	76,200		11,900					76,200
SUBTOTAL TOWN ADMINISTRATION	365,477	98,224	117,485	94,784	20,113	18,218	16,653	365,477
BOARD OF EDUCATION								
Tolland Intermediate School								
Building Façade Cracks	412,661	216,738	195,923	414,000				412,661
Remove and Replacement of Asbestos Floor Tile	414,000							414,000
Skylight Replacement	18,000					18,000		18,000
Gym Bi-Fold Door Removal	54,000					54,000		54,000
Tolland Middle School								
Replacement of Locker Fronts	15,310				15,310			15,310
Gym Door Removal and Replacement	60,000				60,000			60,000
Birch Grove Primary School								
Replacement of Master Fire Alarm Control Panel	42,396		42,396					42,396
Condensing Unit Replacements	132,905				132,905			132,905
Repave Driveway and Parking Lot	200,000					200,000		200,000
Tolland High School								
Track Resurfacing	100,000			100,000				100,000
Front Entrance Cantilever/Roof Melting Equipment	25,255			25,255				25,255
District Wide								
Security Improvements	300,000		300,000		29,000			300,000
Boiler/Propane Gas Tank	29,000							29,000
SUBTOTAL BOARD OF EDUCATION	1,803,527	216,738	538,319	539,255	237,215	272,000	0	1,803,527

FIVE YEAR CAPITAL IMPROVEMENT PLAN
BUDGET SUMMARIES FOR FISCAL YEARS 2014-2015 THROUGH 2018-2019
Italics indicates the recurring projects

PROJECT SUMMARY DESCRIPTIONS	Project Cost	Existing Funds	1 FY 2014-2015	2 FY 2015-2016	3 FY 2016-2017	4 FY 2017-2018	5 FY 2018-2019	Funding Totals FY 2015-2019
CAPITAL EQUIPMENT								
Capital Equipment								
Replacement of Mower #2	80,000		80,000					80,000
Replacement of Body - Truck #23 and Truck #35	270,000		270,000					270,000
F550 Dump Truck	58,000		58,000	58,000				58,000
Replacement of Truck #63	58,000		58,000	140,000				58,000
Replacement of CAT Backhoe	140,000							140,000
Replacement of Pavement Roller	16,500				16,500			16,500
Replacement of 11' Toro 4000 Mower and Truck #25	121,000				121,000			121,000
Replacement of Sweeper	225,000						225,000	225,000
Replacement of Truck #30	160,000						160,000	160,000
SUBTOTAL CAPITAL EQUIPMENT	1,128,500	0	350,000	116,000	140,000	137,500	385,000	1,128,500
FIRE AND AMBULANCE								
Fire and Ambulance								
<i>Contribution to Emergency Services Equipment Reserve</i>								
Ambulance 640 Replacement	270,000		270,000					270,000
Fire Gear	40,000			40,000				40,000
Ambulance Replacement	270,000				270,000			270,000
Refurbish 1994 Engine Tanker ET340	79,040					79,040		79,040
Replacement of 2006 Service 240 First Response Vehicle	75,000					75,000		75,000
Dive/Swift Water Rescue Equipment	22,500						22,500	22,500
Fire Gear	42,500						42,500	42,500
SUBTOTAL FIRE AND AMBULANCE	799,040	0	270,000	40,000	270,000	154,040	65,000	799,040

FIVE YEAR CAPITAL IMPROVEMENT PLAN							
BUDGET SUMMARIES FOR FISCAL YEARS 2014-2015 THROUGH 2018-2019							
<i>Italics indicated recurring projects</i>							
PROJECT SUMMARY DESCRIPTIONS	Project Cost	Existing Funds	1 FY 2014-2015	2 FY 2015-2016	3 FY 2016-2017	4 FY 2017-2018	5 FY 2018-2019
							Funding Totals FY 2015-2019
PARKS AND RECREATION							
Parks and Recreation							
Security Camera	10,000		10,000				10,000
Crandall Park Tennis Court Resurfacing	15,000		15,000				15,000
Construction of Softball Fields	75,000		75,000		20,670		75,000
Athletic Court Resurfacing	20,670						20,670
Outdoor Basketball Courts	45,000						45,000
SUBTOTAL PARKS AND RECREATION	165,670	0	25,000	75,000	20,670	0	165,670
PUBLIC FACILITIES							
Public Facilities							
Library Expansion Project	2,600,000	2,600,000					2,600,000
Station 240 Roof	25,000		25,000				25,000
Station 140 Roof	30,000			30,000			30,000
Replacement of Old Elevator Shaft	75,000				75,000		75,000
Additions and Upgrades of Fire Station	600,000						600,000
Demolition to Parker School and Utilities to Rec Center	700,000						700,000
<i>Pollution Abatement Funding</i>	<i>190,303</i>	<i>142,191</i>	<i>24,056</i>	<i>24,056</i>			<i>190,303</i>
Public Works Complex & Conversion of Highway Facility	4,200,000						4,200,000
SUBTOTAL PUBLIC FACILITIES	8,420,303	2,742,191	49,056	54,056	75,000	0	2,920,303
PUBLIC WORKS							
Public Works							
<i>Tree Trimming</i>	<i>236,546</i>		<i>118,273</i>	<i>118,273</i>			<i>236,546</i>
SUBTOTAL PUBLIC WORKS	236,546	0	118,273	118,273	0	0	236,546
STREETS AND ROADS							
Construction and Reconstruction							
<i>Drainage Construction and Design</i>	<i>625,000</i>		<i>100,000</i>	<i>275,000</i>	<i>100,000</i>	<i>100,000</i>	<i>625,000</i>
Pavement Management							
<i>Various Roads</i>	<i>4,000,000</i>		<i>750,000</i>	<i>750,000</i>	<i>750,000</i>	<i>750,000</i>	<i>4,000,000</i>
Road Improvements 11/2012 referendum	5,000,000	5,000,000					5,000,000
SUBTOTAL STREETS AND ROADS	9,625,000	5,000,000	850,000	1,025,000	850,000	850,000	9,625,000
CIP GRAND TOTALS	22,544,063	8,057,153	2,318,133	2,062,368	1,612,998	1,431,758	17,044,063

YEAR 1
2014-2015

FUNCTION FY 2014-2015 Capital Budget - Year 1 Project Description	ACTIVITY Board of Education	PROGRAM District Wide											Funding Totals			
		Estimated Project Cost	Existing Funds	General Fund Contrib	CNRE Fund	Recreation Special Revenue	Non Refer Notes/ Bonds	Refer Notes/ Bonds	LOCIP Grant	TAR Grant	State & Federal Grants	School Const Grant		Ambul Reserve	Hicks Trust	Unall Capital Reserve
Security Improvements 56% of the cost will be funded by state grant		300,000					132,000				168,000					300,000
TOTAL DISTRICT WIDE		300,000	0	0	0	0	132,000	0	0	0	168,000	0	0	0	0	300,000

FUNCTION FY 2014-2015 Capital Budget - Year 1	ACTIVITY Fire and Ambulance		PROGRAM Fire and Ambulance										CODE 2030-00 Funding Totals				
	Project Description	Estimated Project Cost	Existing Funds	General Fund Contrib	CNRE Fund	Recreation Special Revenue	Non Refer Notes/ Bonds	Refer Notes/ Bonds	LOCIP Grant	TAR Grant	State & Federal Grants	School Const Grant		Ambul Reserve	Hicks Trust	Unall Capital Reserve	Other Funding Sources/ Appr Bonds
<p>Ambulance 640 Replacement Standard 5 year replacement program. We will be extending the service life of the ambulances an additional 2.5 years. Each ambulance will serve 5 years at either Station 140 on Crystal Lake Road or Station 240 on Rhodes Road. During the next purchasing cycle, the replacement of Ambulance 540, we will evaluate the cost benefits of replacing just the OEM chassis and remounting the OEM box. This should prove to provide some significant cost savings to the Town.</p> <p>Contribution to Emergency Services Equipment Reserve Contributions to the ambulance fund from operations, net of expenses, average approximately \$200,000 per year. Funds are accumulated within a reserve account in this fund to be used towards the replacement of ambulances as well as yearly fire/ambulance equipment as identified in the Capital Improvements Plan. As the projects are scheduled, funds are reallocated from this reserve account to the accounts where the expenditures are needed.</p>	270,000											270,000				270,000	
TOTAL FIRE AND AMBULANCE		270,000	0	0	0	0	0	0	0	0	0	0	270,000	0	0	0	270,000

YEAR 2
2015-2016

YEAR 2 CAPITAL BUDGET SUMMARY
FISCAL YEAR 2015-2016

YEAR 2 CAPITAL BUDGET FUNDING CATEGORIES	CAPITAL BUDGET FUNDING SOURCES											Funding Totals			
	Existing Funds	General Fund Contrib	CNRE Fund	Recreation Special Revenue	Non Refer Notes/ Bonds	Refer Notes/ Bonds	LOCIP Grant	TAR Grant	State & Federal Grants	School Const Grant	Ambul Reserve		Hicks Trust	Unall Capital Reserve	Other Funding Sources/ Appr Bonds
PROJECTED AVAILABILITY OF CAPITAL FUNDS	3,166,247	224,095	58,000	0	1,199,287	0	118,273	339,713	0	0	180,000	0	0	83,000	5,368,615
TOWN ADMINISTRATION															
Town Administration	0	94,784	0	0	0	0	0	0	0	0	0	0	0	0	94,784
BOARD OF EDUCATION															
Birch Grove Primary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tolland High School	0	25,255	0	0	100,000	0	0	0	0	0	0	0	0	0	125,255
Tolland Intermediate School	0	0	0	0	414,000	0	0	0	0	0	0	0	0	0	414,000
Tolland Middle School	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
District Wide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPITAL EQUIPMENT															
Capital Equipment	0	0	58,000	0	0	0	0	0	0	0	0	0	0	58,000	116,000
FIRE AND AMBULANCE															
Fire and Ambulance	0	0	0	0	0	0	0	0	0	40,000	0	0	0	0	40,000
PARKS AND RECREATION															
Parks and Recreation	0	50,000	0	0	0	0	0	0	0	0	0	0	0	25,000	75,000
PUBLIC FACILITIES															
Public Facilities	166,247	54,056	0	0	0	0	0	0	0	0	0	0	0	0	220,303
PUBLIC WORKS															
Public Works	0	0	0	0	0	0	118,273	0	0	0	0	0	0	0	118,273
STREETS AND ROADS															
Construction and Reconstruction	0	0	0	0	275,000	0	0	0	0	0	0	0	0	0	275,000
Pavement Management	3,000,000	0	0	0	410,287	0	0	339,713	0	0	0	0	0	0	3,750,000
SUMMARY PROJECT TOTALS	3,166,247	224,095	58,000	0	1,199,287	0	118,273	339,713	0	40,000	0	0	0	83,000	5,228,615
FUNDING SOURCE VARIANCES	0	0	0	0	0	0	0	0	0	140,000	0	0	0	0	140,000

FUNCTION FY 2015-2016 Capital Budget - Year 2	ACTIVITY Capital Equipment		PROGRAM Capital Equipment										Funding Totals	CODE 2020-00			
	Estimated Project Cost	Existing Funds	General Fund Contrib	CNRE Fund	Recreation Special Revenue	Non Refer Notes/ Bonds	Refer Notes/ Bonds	LOCIP Grant	TAR Grant	State & Federal Grants	School Const Grant	Ambul Reserve			Hicks Trust	Unall Capital Reserve	Other Funding Sources/ Appr Bonds
Parks Department:																	
Replacement of Truck #63 Replacement of 1999 GMC truck which will be sixteen years old.	58,000			58,000												58,000	
F550 Dump Truck Replacement truck with plow and sander to be used for the cemeteries and Town facilities. Other funding sources to be provided from the Cemetery Fund.	58,000															58,000	
TOTAL CAPITAL EQUIPMENT	116,000	0	0	58,000	0	0	0	0	0	0	0	0	0	0	0	58,000	116,000

FUNCTION	ACTIVITY	PROGRAM	CODE	Fire and Ambulance																
				FUNDING SOURCES					BUDGET SOURCES											
FY 2015-2016 Capital Budget - Year 2	Fire and Ambulance	Fire and Ambulance	2030-00	Existing Funds	General Fund Contrib	CNRE Fund	Recreation Special Revenue	Non Refer Notes/Bonds	Refer Notes/Bonds	LOCIP Grant	TAR Grant	State & Federal Grants	School Const Grant	Ambul Reserve	Hicks Trust	Unall Capital Reserve	Other Funding Sources/ Appr Bonds	Funding Totals		
Project Description	Estimated Project Cost																			
<p>Fire Gear Replacement of firefighter personal protective equipment (helmet, hood, jacket, gloves, pants and boots) to comply with NFPA 1851. Firefighter personal protective equipment is not certified for use 10 years after date of manufacture.</p> <p>Contribution to Emergency Services Equipment Reserve Contributions to the ambulance fund from operations, net of expenses, average approximately \$200,000 per year. Funds are accumulated within a reserve account in this fund to be used towards the replacement of ambulances as well as yearly fire/ambulance equipment as identified in the Capital Improvements Plan. As the projects are scheduled, funds are reallocated from this reserve account to the accounts where the expenditures are needed.</p>	40,000													40,000					40,000	
TOTAL FIRE AND AMBULANCE				0	0	0	0	0	0	0	0	0	0	40,000	0	0	0	0	0	40,000

FUNCTION FY 2015-2016 Capital Budget - Year 2	ACTIVITY Parks and Recreation		PROGRAM Parks and Recreation										CODE 2040-00 Funding Totals				
	Project Description	Estimated Project Cost	Existing Funds	General Fund Contrib	CNRE Fund	Recreation Special Revenue	Non Refer Notes/ Bonds	Refer Notes/ Bonds	LOCIP Grant	TAR Grant	State & Federal Grants	School Const Grant		Ambul Reserve	Hicks Trust	Unall Capital Reserve	Other Funding Sources/ Appr Bonds
Construction of Softball Fields Construction of a girl's softball field at the Cross Farms Recreation Complex. \$25,000 contribution from Tolland Little League.	75,000			50,000												25,000	75,000
TOTAL PARKS AND RECREATION	75,000	0	0	50,000	0	0	0	0	0	0	0	0	0	0	0	25,000	75,000

FUNCTION FY 2015-2016 Capital Budget - Year 2	PROGRAM Pavement Management										CODE 2060-00				
	ACTIVITY Streets and Roads		CAPITAL BUDGET FUNDING SOURCES									Funding Totals			
Project Description	Estimated Project Cost	Existing Funds	General Fund Contrib	CNRE Fund	Recreation Special Revenue	Non Refer Notes/Bonds	Refer Notes/Bonds	LOCIP Grant	TAR Grant	State & Federal Grants	School Const Grant	Ambul Reserve	Hicks Trust	Unall Capital Reserve	Other Funding Sources/ Appr Bonds
Pavement Management Roads will be repaired according to the automated pavement management system recommendations. The process includes a variety of techniques ranging from crack sealing, chip sealing and thin overlay to total reconstruction.	750,000					410,287			339,713						750,000
Road Improvements Bond referendum was approved 11/06/2012. Bond referendum for road improvements over the next five years pursuant to the Town's Debt Management Plan. \$1 million of debt will be issued each year. This is year three.	5,000,000	3,000,000													3,000,000
Debt Management Plan: Year One: FY 2013/2014 - \$1,000,000 Year Two: FY 2014/2015 - \$1,000,000 Year Three: FY 2015/2016 - \$1,000,000 Year Four: FY 2016/2017 - \$1,000,000 Year Five: FY 2017/2018 - \$1,000,000															
TOTAL PAVEMENT MANAGEMENT	5,750,000	3,000,000	0	0	0	410,287	0	0	339,713	0	0	0	0	0	3,750,000

YEAR 3

2016-2017

**YEAR 3 CAPITAL BUDGET SUMMARY
FISCAL YEAR 2016-2017**

YEAR 3 CAPITAL BUDGET FUNDING CATEGORIES	CAPITAL BUDGET FUNDING SOURCES														
	Existing Funds	General Fund Contrib	CNRE Fund	Recreation Special Revenue	Non Refer Notes/ Bonds	Refer Notes/ Bonds	LOCLIP Grant	TAR Grant	State & Federal Grants	School Const Grant	Ambul Reserve	Hicks Trust	Unall Capital Reserve	Other Funding Sources/ Appr Bonds	Funding Totals
PROJECTED AVAILABILITY OF CAPITAL FUNDS	2,000,000	199,423	20,670	0	532,014	0	118,273	339,713	0	0	320,000	0	0	132,905	3,662,998
TOWN ADMINISTRATION															
Town Administration	0	20,113	0	0	0	0	0	0	0	0	0	0	0	0	20,113
BOARD OF EDUCATION															
Birch Grove Primary	0	0	0	0	0	0	0	0	0	0	0	0	0	132,905	132,905
Tolland Intermediate School	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tolland Middle School	0	75,310	0	0	0	0	0	0	0	0	0	0	0	0	75,310
Tolland High School	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
District Wide	0	29,000	0	0	0	0	0	0	0	0	0	0	0	0	29,000
CAPITAL EQUIPMENT															
Capital Equipment	0	0	0	0	140,000	0	0	0	0	0	0	0	0	0	140,000
FIRE AND AMBULANCE															
Fire and Ambulance	0	0	0	0	0	0	0	0	0	0	270,000	0	0	0	270,000
PARKS AND RECREATION															
Parks and Recreation	0	0	20,670	0	0	0	0	0	0	0	0	0	0	0	20,670
PUBLIC FACILITIES															
Public Facilities	0	75,000	0	0	0	0	0	0	0	0	0	0	0	0	75,000
STREETS AND ROADS															
Construction and Reconstruction	0	0	0	0	100,000	0	0	0	0	0	0	0	0	0	100,000
Pavement Management	2,000,000	0	0	0	292,014	0	118,273	339,713	0	0	0	0	0	0	2,750,000
SUMMARY PROJECT TOTALS	2,000,000	199,423	20,670	0	532,014	0	118,273	339,713	0	0	270,000	0	0	132,905	3,612,998
FUNDING SOURCE VARIANCES	0	0	0	0	0	0	0	0	0	0	50,000	0	0	0	50,000

FUNCTION FY 2016-2017 Capital Budget - Year 3	ACTIVITY Fire and Ambulance		PROGRAM Fire and Ambulance										CODE 2030-00					
	Project Description	Estimated Project Cost	Existing Funds	General Fund Contrib	CNRE Fund	Recreation Special Revenue	Non Refer Notes/Bonds	Refer Notes Bonds	LOCIP Grant	TAR Grant	State & Federal Grants	School Const Grant	Ambul Reserve	Hicks Trust	Unall Capital Reserve	Other Funding Sources/ Appr Bonds	Funding Totals	
<p>Ambulance Replacement Standard 5 year replacement program. We will be extending the service life of the ambulances an additional 2.5 years. Each ambulance will serve 5 years at either Station 140 on Crystal Lake Road or Station 240 on Rhodes Road. During the next purchasing cycle, the replacement of Ambulance 540, we will evaluate the cost benefits of replacing just the OEM chassis and remounting the OEM box. This should prove to provide some significant cost savings to the Town.</p> <p>Contribution to Emergency Services Equipment Reserve Contributions to the ambulance fund from operations, net of expenses, average approximately \$200,000 per year. Funds are accumulated within a reserve account in this fund to be used towards the replacement of ambulances as well as yearly fire/ambulance equipments identified in the Capital Improvements Plan. As the projects are scheduled, funds are reallocated from this reserve account to the accounts where the expenditures are needed.</p>	270,000												270,000				270,000	
TOTAL FIRE AND AMBULANCE		270,000	0	0	0	0	0	0	0	0	0	0	270,000	0	0	0	0	270,000

YEAR 4

2017-2018

**YEAR 4 CAPITAL BUDGET SUMMARY
FISCAL YEAR 2017-2018**

YEAR 4 CAPITAL BUDGET FUNDING CATEGORIES	CAPITAL BUDGET FUNDING SOURCES												Funding Totals		
	Existing Funds	General Fund Contrib	CNRE Fund	Recreation Special Revenue	Non Refer Notes/ Bonds	Refer Notes/ Bonds	LOCIP Grant	TAR Grant	State & Federal Grants	School Const Grant	Ambul Reserve	Hicks Trust		Unall Capital Reserve	Other Funding Sources/ Appr Bonds
PROJECTED AVAILABILITY OF CAPITAL FUNDS	1,000,000	188,500	18,218	0	613,014	0	118,273	339,713	0	0	230,000	0	0	0	2,507,718
TOWN ADMINISTRATION															
Town Administration	0	0	18,218	0	0	0	0	0	0	0	0	0	0	0	18,218
BOARD OF EDUCATION															
Birch Grove Primary	0	0	0	0	200,000	0	0	0	0	0	0	0	0	0	200,000
Tolland Intermediate School	0	72,000	0	0	0	0	0	0	0	0	0	0	0	0	72,000
Tolland Middle School	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tolland High School	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
District Wide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPITAL EQUIPMENT															
Capital Equipment	0	16,500	0	0	121,000	0	0	0	0	0	0	0	0	0	137,500
FIRE AND AMBULANCE															
Fire and Ambulance	0	0	0	0	0	0	0	0	0	154,040	0	0	0	0	154,040
PARKS AND RECREATION															
Parks and Recreation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUBLIC FACILITIES															
Public Facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STREETS AND ROADS															
Construction and Reconstruction	0	100,000	0	0	0	0	0	0	0	0	0	0	0	0	100,000
Pavement Management	1,000,000	0	0	0	292,014	0	118,273	339,713	0	0	0	0	0	0	1,750,000
SUMMARY PROJECT TOTALS	1,000,000	188,500	18,218	0	613,014	0	118,273	339,713	0	0	154,040	0	0	0	2,431,758
FUNDING SOURCE VARIANCES	0	0	0	0	0	0	0	0	0	0	75,960	0	0	0	75,960

FUNCTION FY 2017-2018 Capital Budget - Year 4 Project Description	ACTIVITY Capital Equipment										PROGRAM Capital Equipment										CODE 2020-00 Funding Totals
	Estimated Project Cost	Existing Funds	General Fund Contrib	CNRE Fund	Recreation Special Revenue	Non Refer Notes/ Bonds	Refer Notes/ Bonds	LOCIP Grant	TAR Grant	State & Federal Grants	School Const Grant	Ambul Reserve	Hicks Trust	Unall Capital Reserve	Other Funding Sources/ Appr Bonds	Funding Totals					
Replacement of Pavement Roller	16,500		16,500												16,500						
Replacement of 11' Toro 4000 Mower and Replacement of Truck #25 Replacement of 2003 trimmer mower (\$53,000). Truck #25 is a 2006 one-ton truck with a small sander and plow (\$68,000).	121,000					121,000									121,000						
TOTAL CAPITAL EQUIPMENT	137,500	0	16,500	0	0	121,000	0	0	0	0	0	0	0	0	137,500	0					

FUNCTION	ACTIVITY		PROGRAM										CODE		
	Fire and Ambulance		Fire and Ambulance												
FY 2017-2018 Capital Budget - Year 4	Fire and Ambulance		FUNDING SOURCES										2030-00		
Project Description	Existing Funds	General Fund Contrib	CNRE Fund	Recreation Special Revenue	Non Refer Notes/Bonds	Refer Notes/Bonds	LOCIP Grant	TAR Grant	State & Federal Grants	School Const Grant	Ambul Reserve	Hicks Trust	Unall Capital Reserve	Other Funding Sources/ Appr Bonds	Funding Totals
Replacement of 2006 Service 240 First Response Vehicle This vehicle will be 10 years old and have approximately 90,000 miles on it. This vehicle is used by line officers, career staff and other members as a first response vehicle. The use of this vehicle prevents unnecessary use of larger and more expensive equipment. Because this vehicle is smaller, it is more versatile to rapidly respond to and assist at various emergencies.	75,000										75,000				75,000
Refurbish 1994 Engine Tanker E/T340 This truck will need the pump and tank overhauled to extend the trucks life expectancy. This truck is located at Station 340 on Gehring Road.	79,040										79,040				79,040
Contribution to Emergency Services Equipment Reserve Contributions to the ambulance fund from operations, net of expenses, average approximately \$200,000 per year. Funds are accumulated within a reserve account in this fund to be used towards the replacement of ambulances as well as yearly fire/ambulance equipment as identified in the Capital Improvements Plan. As the projects are scheduled, funds are reallocated from this reserve account to the accounts where the expenditures are needed.															
TOTAL FIRE AND AMBULANCE	0	0	0	0	0	0	0	0	0	0	154,040	0	0	0	154,040

YEAR 5

2018-2019

**YEAR 5 CAPITAL BUDGET SUMMARY
FISCAL YEAR 2018-2019**

YEAR 5 CAPITAL BUDGET FUNDING CATEGORIES	CAPITAL BUDGET FUNDING SOURCES											Funding Totals			
	Existing Funds	General Fund Contrib	CNRE Fund	Recreation Special Revenue	Non- Refer Notes/ Bonds	Refer Notes/ Bonds	LOCIP Grant	TAR Grant	State & Federal Grants	School Const Grant	Ambul Reserve		Hicks Trust	Unall Capital Reserve	Other Funding Sources/ Appr Bonds
PROJECTED AVAILABILITY OF CAPITAL FUNDS =====	0	66,653	45,000	0	927,014	0	118,273	339,713	0	0	255,960	0	0	0	1,752,613
TOWN ADMINISTRATION															
Town Administration	0	16,653	0	0	0	0	0	0	0	0	0	0	0	0	16,653
BOARD OF EDUCATION															
Birch Grove Primary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tolland Middle School	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tolland High School	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
District Wide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPITAL EQUIPMENT															
Capital Equipment	0	0	0	0	385,000	0	0	0	0	0	0	0	0	0	385,000
FIRE AND AMBULANCE															
Fire and Ambulance	0	0	0	0	0	0	0	0	0	65,000	0	0	0	0	65,000
PARKS AND RECREATION															
Parks and Recreation	0	0	45,000	0	0	0	0	0	0	0	0	0	0	0	45,000
PUBLIC FACILITIES															
Public Facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STREETS AND ROADS															
Construction and Reconstruction	0	50,000	0	0	0	0	0	0	0	0	0	0	0	0	50,000
Pavement Management	0	0	0	0	542,014	0	118,273	339,713	0	0	0	0	0	0	1,000,000
SUMMARY PROJECT TOTALS	0	66,653	45,000	0	927,014	0	118,273	339,713	0	0	65,000	0	0	0	1,561,653
FUNDING SOURCE VARIANCES	0	0	0	0	0	0	0	0	0	190,960	0	0	0	0	190,960

FUNCTION FY 2018-2019 Capital Budget - Year 5	ACTIVITY Fire and Ambulance		PROGRAM Fire and Ambulance										CODE 2030-00				
	Project Description	Estimated Project Cost	Existing Funds	General Fund Contrib	CNRE Fund	Recreation Special Revenue	Non Refer Notes/Bonds	Refer Notes/Bonds	LOCIP Grant	TAR Grant	State & Federal Grants	School Const Grant		Ambul Reserve	Hicks Trust	Unall Capital Reserve	Other Funding Sources/ Appr Bonds
Fire Gear Replacement of firefighter personal protective equipment (helmet, hood, jacket, gloves, pants and boots) to comply with NFPA 1851. Firefighter personal protective equipment is not certified for use 10 years after date of manufacture.	42,500												42,500				42,500
Dive/Swift Water Rescue Equipment The department needs various support equipment such as dive suits, helmets, boots, gloves, tethers, swift waster rescue equipment, strobe lights, personal flotation devices, NFPA harnesses, reach and rescue pole to be fully functional as a dive company.	22,500												22,500				22,500
Contribution to Emergency Services Equipment Reserve Contributions to the ambulance fund from operations, net of expenses, average approximately \$200,000 per year. Funds are accumulated within a reserve account in this fund to be used towards the replacement of ambulances as well as yearly fire/ambulance equipment as identified in the Capital Improvements Plan. As the projects are scheduled, funds are reallocated from this reserve account to the accounts where the expenditures are needed.																	
TOTAL FIRE AND AMBULANCE	65,000	0	0	0	0	0	0	0	0	0	0	0	65,000	0	0	0	65,000

Town of Tolland, Connecticut
Existing & Proposed Debt Service
Assumes New Bond Issues Over 20 Years

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(M)	(N)	(P)	(Q)	(R)	(S)	(T)	(U)	(W)	(X)
			Proposed Debt Service ==>																					
Fiscal Year	TOTAL General Fund Debt (excludes Sewer Assessment Debt & 2013 Energy Lease)	Annual Change in Existing Debt Service	\$5,210,000 BANs Dated: 9/14 Due: 9/15 Interest	\$7,820,000 Bond Issue Dated September 2015 Term: 20 Years Rate: 3.0%			\$1,530,000 BANs Dated: 9/15 Due: 9/16 Interest	\$4,550,000 BANs Dated: 9/16 Due: 9/17 Interest	\$4,935,000 Bond Issue Dated September 2018 Term: 20 Years Rate: 3%			\$5,000,000 Bond Issue Dated September 2019 Term: 20 Years Rate: 3%			Total Proposed Principal	Total Proposed Interest	Total Proposed Debt Service	Less Investment Income on Bond Proceeds	Existing Plus Proposed Debt Service	Annual \$ Change of Existing Plus Proposed Debt Service	Annual % Change of Existing Plus Proposed Debt Service	Mill Rate to pay Debt Service	GF Bonded Debt as a % of Full Market Value	General Fund debt service as a % of total General Fund expenditures
			Interest	Principal	Interest	Total	Interest	Interest	Principal	Interest	Total	Principal	Interest	Total										
2014	4,735,624	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	111,041	4,624,583						
2015	4,534,264	(201,361)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59,680	4,474,584	(150,000)	-3.24%	0.36	2.43%	8.54%	
2016	4,327,243	(207,021)	78,150	-	115,360	115,360	-	-	-	-	-	-	-	-	-	193,510	193,510	-	4,520,753	46,169	1.03%	0.36	2.23%	8.54%
2017	4,312,508	(14,735)	-	-	233,100	233,100	15,300	-	-	-	-	-	-	-	-	248,400	248,400	-	4,560,908	40,155	0.89%	0.36	2.04%	8.53%
2018	4,105,009	(207,498)	-	100,000	233,100	333,100	-	91,000	-	74,025	74,025	-	-	-	100,000	398,125	498,125	-	4,603,134	42,227	0.93%	0.36	1.85%	8.53%
2019	3,557,498	(547,512)	-	295,000	227,100	522,100	-	-	350,000	144,300	494,300	-	75,000	75,000	645,000	446,400	1,091,400	-	4,648,898	45,763	0.99%	0.36	2.14%	8.53%
2020	3,210,378	(347,120)	-	390,000	216,750	606,750	-	-	240,000	136,800	376,800	250,000	146,250	396,250	880,000	499,800	1,379,800	-	4,590,178	(58,720)	-1.26%	0.36	1.95%	8.34%
2021	3,112,317	(98,061)	-	400,000	204,900	604,900	-	-	240,000	129,300	369,300	250,000	138,750	388,750	890,000	472,950	1,362,950	-	4,475,267	(114,911)	-2.50%	0.35	1.77%	8.05%
2022	3,029,760	(82,557)	-	430,000	192,450	622,450	-	-	240,000	121,800	361,800	250,000	131,250	381,250	920,000	445,500	1,365,500	-	4,395,260	(80,007)	-1.79%	0.34	1.59%	7.82%
2023	2,723,314	(306,446)	-	430,000	179,550	609,550	-	-	240,000	114,300	354,300	250,000	123,750	373,750	920,000	417,600	1,337,600	-	4,060,914	(334,348)	-7.61%	0.31	1.42%	7.16%
2024	2,652,231	(71,083)	-	430,000	166,650	596,650	-	-	240,000	106,800	346,800	250,000	116,250	366,250	920,000	389,700	1,309,700	-	3,961,931	(98,983)	-2.44%	0.30	1.25%	6.91%
2025	2,383,906	(268,325)	-	430,000	153,750	583,750	-	-	240,000	99,300	339,300	250,000	108,750	358,750	920,000	361,800	1,281,800	-	3,665,706	(296,225)	-7.48%	0.27	1.09%	6.33%
2026	1,865,126	(518,780)	-	430,000	140,850	570,850	-	-	240,000	91,875	331,875	250,000	101,250	351,250	920,000	333,975	1,253,975	-	3,119,101	(546,605)	-14.91%	0.23	0.94%	5.34%
2027	838,730	(1,026,396)	-	450,000	127,650	577,650	-	-	240,000	84,525	324,525	250,000	93,750	343,750	940,000	305,925	1,245,925	-	2,084,655	(1,034,446)	-33.16%	0.15	0.81%	3.53%
2028	587,915	(250,815)	-	450,000	114,150	564,150	-	-	240,000	77,175	317,175	250,000	86,250	336,250	940,000	277,575	1,217,575	-	1,805,490	(279,165)	-13.39%	0.13	0.74%	3.03%
2029	164,400	(423,515)	-	450,000	100,650	550,650	-	-	240,000	69,825	309,825	250,000	78,750	328,750	940,000	249,225	1,189,225	-	1,353,625	(451,865)	-25.03%	0.10	0.67%	2.25%
2030	158,813	(5,588)	-	450,000	87,150	537,150	-	-	240,000	62,475	302,475	250,000	71,250	321,250	940,000	220,875	1,160,875	-	1,319,688	(33,938)	-2.51%	0.10	0.63%	2.17%
2031	153,000	(5,813)	-	450,000	73,650	523,650	-	-	240,000	55,125	295,125	250,000	63,750	313,750	940,000	192,525	1,132,525	-	1,285,525	(34,163)	-2.59%	0.09	0.58%	2.09%
2032	-	(153,000)	-	450,000	60,150	510,150	-	-	240,000	47,775	287,775	250,000	56,250	306,250	940,000	164,175	1,104,175	-	1,104,175	(181,350)	-14.11%	0.08	0.54%	1.78%
2033	-	-	-	450,000	46,650	496,650	-	-	240,000	40,425	280,425	250,000	48,750	298,750	940,000	135,825	1,075,825	-	1,075,825	(28,350)	-2.57%	0.08	0.50%	1.72%
2034	-	-	-	450,000	33,150	483,150	-	-	245,000	33,075	278,075	250,000	41,250	291,250	945,000	107,475	1,052,475	-	1,052,475	(23,350)	-2.17%	0.07	0.47%	1.66%
2035	-	-	-	450,000	19,650	469,650	-	-	245,000	25,725	270,725	250,000	33,750	283,750	945,000	79,125	1,024,125	-	1,024,125	(28,350)	-2.69%	0.07	0.43%	1.60%
2036	-	-	-	435,000	6,450	441,450	-	-	245,000	18,375	263,375	250,000	26,250	276,250	930,000	51,075	981,075	-	981,075	(43,050)	-4.20%	0.07	0.40%	1.52%
2037	-	-	-	-	-	-	-	-	245,000	11,025	256,025	250,000	18,750	268,750	495,000	29,775	524,775	-	524,775	(456,300)	-46.51%	0.04	0.36%	0.80%
2038	-	-	-	-	-	-	-	-	245,000	3,675	248,675	250,000	11,250	261,250	495,000	14,925	509,925	-	509,925	(14,850)	-2.83%	0.03	0.35%	0.77%
2039	-	-	-	-	-	-	-	-	-	-	-	250,000	3,750	253,750	250,000	3,750	253,750	-	253,750	(256,175)	-50.24%	0.02	0.34%	0.38%
2040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(253,750)	-	-	-	-
2041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	46,452,037		78,150	#####	#####	10,552,860	15,300	91,000	4,935,000	#####	6,482,700	5,000,000	1,575,000	6,575,000	17,755,000	6,040,010	23,795,010	170,721	70,076,326					

POOL VEHICLE REPLACEMENT SCHEDULE

updated 12/2013	FY14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
Pool Vehicles								
Town Manager	New Vehicle							
	2010 Ford Explorer to Facilities Manager							
Public Works Director	2011 Ford Expedition	New Vehicle						
	2011 Ford Expedition to Fire Marshall							
Highway Supervisor	2012 F250				New Vehicle			
P & F Supervisor	2012 F250				New Vehicle			
Facilities Manager	2010 Ford Explorer							
Building Inspector	2012 Vehicle				New Vehicle			
					transfer to assessor			
Elderly Outreach	2006 Mini Van				New vehicle			
					2006 Mini Van surplus			
Canine	2010 Van							
					New vehicle			
Fire Marshall	2006 Grand Cherokee	2011 Expedition						
		2006 Grand Cherokee to Surplus						
Asst. Safety Director		New Vehicle						
Assessor/Pool Car #1	2006 Liberty				building inspector vehicle			
					2006 Liberty surplus			
Recreation/Pool Car #2	2003 Durango							
Pool Car #3	2007 Liberty							
Pool Car #4	2006 Cherokee							
BOARD OF ED								
BOE #1	2012 Ford F150 Pick up							
BOE #2	1996 Jeep Cherokee	Replacement vehicle						
BOE #3	2008 Ford 3/4 Van							
					Replacement vehicle			

TO: Members of the Board of Education
FROM: William D. Guzman
DATE: December 11, 2013
Subject Capital Improvement Plan (CIP) – 2014/15 to 2018/19

Below is the District's recommended Capital Improvement Plan for the 2014/15 through 2018/19 fiscal years.

Included is a spreadsheet, which lists each of the projects by school and by fiscal year. Please note that the listing of recommended projects will be transmitted to the Town Manager who will review the listing with me to determine budgeting impact and/or alternative funding sources.

A public hearing on the Town- Wide Capital Improvement Plan is scheduled for February 20, 2014.

The administration recommends approval of the CIP subject to review by the Town Manager and the Superintendent.

YEAR 2014 - 2015

• **THS Roof Top Chiller # 2 Eddy Current Test**

Due to a design flaw in the McQuaid rooftop chiller #2 (Installed in 2005) it has been suggested by both Hartford Steam Boiler Insurance Co. and their Engineering Consultant that an eddy current analysis be done on the 236 evaporator tubes (Wall thickness of the thin-wall type copper tubes) located inside the large chiller barrel. Also, tubes 1,2,3,4 be plugged to ward off any possible future problems in this area with this unit.

Approximate cost to do this work is \$10,300

• **THS Repair of 6" Chiller/Hot Water Main Loop that has a Water Leak**

The 6 " diameter main circulation loop chilled/hot water line that is located in the 1st floor ceiling hallway outside the boiler room is leaking on to the floor. We have determined that it is not a condensation problem (only leaks in the summer) but a leak in one of three "O" ring gaskets that make up the 6" "T" connector that distributes chilled/hot water to other parts of the building. We will need to install new valves before the repairs can be made to isolate classroom un-l-vents and the 2nd floor. There is also a problem with the location of the large "Cable Troft" (telephone, data, fiber optic cables) that is slung directly under (tight against the insulation) the large 6" "T" connector.

Approximate cost to do this work is \$10,710

• **BGS Removal & Replacement of 1999 Grinnell /Autocall Co.
Master Fire Alarm Control Panel**

Project # A The existing Grinnell /Autocall master fire alarm panel(BGS front lobby) by Simplex Co. that was installed in 1999 (Formerly the Grinnell /Autocall Co.fire panel) will no longer be supported (service & parts no longer available) by the Simplex Co. A new Simplex 4100-U addressable fire alarm panel and devices need to be installed at BGS as soon as possible. It has been suggested by Simplex that by installing new devices in Hallway "A" **only** the old units could be used for replacement as needed using the existing wiring that runs throughout the building making our upfront cost lower.

Project # B It has been suggested by both the Safety Committee & Architects that this master fire alarm panel be moved to a new location (Inside the front office or someplace else in the front lobby) as to make way for future installation of a new front office high security entry door (buzzer & camera) from the lobby to the front office. At that time the 3 sets of existing lobby doors to the main building can be secured (There are no locks on these doors at the present time and once you are through these doors you can go anywhere you want in the building without going through the front office).

Project # C Cut a hole in the existing wall where the Simlpex/Grinnell fire panel was and install new handy cap access fire rated door and frame with a mag/lock and camera. Relocate "Baseboard Radiation "(water type) on office side. At this time install the 2 sets of new panic bar devices on existing lobby doors to the main building so they can be secured.

**TOTAL Installed Cost (New Control Circuits Boards for Main Fire Panel & some devices)
Cost for Project # A \$ 38,396.00**

**Installed Cost: To Relocate Main Fire Panel with New Control Circuits Boards
Cost for Project # B \$ 4,000.00**

**Installation of a New Front Office Entry Door from Foyer
Contingency for Plumbing \$2 000
Estimated Cost for Project # C \$10,800**

**Installation of New Exit Devices on Interior Vestibule Entry Door from Foyer
Estimated Cost for Project # D \$4,159**

Total Cost for Proj A,B,C,D = \$ 57,355.00

- **BGS Repair 8 Rusted Outside Class Room. Door Frames and Repair or Replacement 13 Rusted-Out Class Rm. Doors**

Estimated Cost for Project \$ 17,300

- **TMS Gym Door Removal**

Remove hydraulic/chain operated large bi folding gym door (installed 1966). Note: (20' H x 88" L) replace with electric operated "row down curtain". Parts are hard to find or need to be custom made for this door and down time is very disruptive for teaching.

Gym door repair costs run \$1,500 - \$3,000 a year.

Estimated Cost - \$60,000

- **TIS Building Façade**

The Capital Improvement Plan approved for the 2011/2012 fiscal year includes the amount of \$216,738 (of which \$190,077 remains) for repairing the Building Façade Cracks at the Intermediate School. This project has been delayed due to (1) the potential that caulking in the expansion joints between the bricks in the building façade may contain polychlorinated biphenyls (PCB's) and (2) asking for a more exact estimate of cost of the project. Friar Associates, architects hired for developing plans and specifications for the façade repair work submitted a revised estimate for the project totaling \$386,000 which includes an allowance for removal of contaminated caulking, if any.

Friar Associates has divided the project into two (2) phases. Phase 1 which includes masonry demolition and repair, concrete foundation repairs, etc. totals \$131,021. This would leave a balance of \$59,056 (\$190,077 less \$131,021) to be used for the next phase of the project.

Phase 2 of the project which includes installing new control joints, replacement of damaged brick, disposal cost totals \$254,979. Of this amount, approximately \$59,056 would come from the Phase 1 portion, leaving a balance of \$195,923.

In light of this new information, the Capital Improvement Plan would need to be increased by an amount of \$195,923 for Phase 2 of the Building Façade project at the Intermediate School.

Estimated Additional amount - \$195,923

YEAR 2015 – 2016

- **BGS CONDENSING UNIT REPLACEMENTS (Roof Top AC Units) – BIRCH GROVE PRIMARY SCHOOL.**

PROPOSED EQUIPMENT – R410A UPGRADE WITH NEW COILS

Building	PROPOSED EQUIPMENT				
	Equipment	Make	Model	Qty	Tonnage
Birch Grove Primary	Condenser	Trane	4TTA306D3000	2	5
	DX Coil		DFDB18032G0DB120DAAA00B	2	2
	Condenser		TTA090D300A	1	7.5
	DX Coil		DFDB24036G0DB120DAA00B	1	7.5
	Condenser		TTA09003000	2	10
	DX Coil		DFDB24068G0DB120DAAA00B	2	10

Scope of Work:

- 1) Reclaim, demo and remove five existing condensing units
- 2) Furnish and install new R410A condensing units, sized to match existing
- 3) Furnish and install new DX coils
- 4) Refrigerant piping modifications as required
- 5) Wiring as required
- 6) Rigging as required
- 7) Start up and commissioning

Estimated Cost by Honeywell – Total: \$132, 905

- **TBO 45 KW 3 Phase Propane Type Emergency Generator**

This 3 Phase generator is large enough for building. (excluding air conditioning)

Approximate cost for all Electrical equipment and installation – Total: \$23,246

NOTE: Install a New 1000 gallon Propane Tank (Owned by TBE)

Approximate cost for all Propane equipment and installation – Total: \$3,000

- **TIS Remove and Replace Asbestos Floor Tile**

NOTE: Gray floor tile 12"x12" in the main building 1st & 2nd floor has been tested by Fuss & O'Neill (Enviro Science LLC) on 9/14/11 and found to contain asbestos. The floor mastic is negative.

Removal of AFT:

Main Building 1st & 2nd Floor

1. Removal of asbestos floor tile
2. Moving company
3. Installation of new floor tile
4. Project planning/bid spec's and state approval
5. Soft cost
6. Contingency

Estimated Cost of AFT 46,000 sq. ft x \$9.00 sq. ft. - \$414,000

Please Note: Yellow floor tile 12"x12" in the new addition 1973 1st & 2nd floor has been tested and was found **NOT** to contain asbestos, but the floor mastic is positive for ACM. The science wing is not included at this time but will be used for a staging area for furniture and equipment for this project.

Large areas of floor tile have come up over time due in part to the glue (installed 1970) used to hold down the asbestos floor tile. The glue has been drying out and the only thing holding the 9"x9" tile in some places is the old floor wax between the files.

The average classroom (700 sq. ft) can cost \$6,000+ for removal of VAT and air sampling (not covered by insurance) and installation of new tile. Classroom can be out of service for a week or more and no students can be in the building until final air sampling is done. The larger areas, CAFÉ and hallway can cost \$3,000+ and the down time can be a lot greater.

- **TIS Skylight Replacement:**

Replace all 8 gym roof area skylights installed in 1973.

Note: In order to save money in 1991, the Town opted not to replace 15 year old skylights. They have been repaired a number of times and the weather seals are “shot”. The light area has been reduced due to repairs and plastic area is cracked and crazed due to age. No company wants to take the units apart for fear that the large plastic lens will break. Eagle Roofing Co. installed the new roof in Feb. 1991 and Owens Corning Co. holds the 20 year bond. (#20-54696-91)

Cost to repair \$300 to \$500.

Estimated Cost - \$18,000

- **TIS Removal of Concrete (2,249 sq. ft) Front Entrance Area**

Some areas of the sidewalk entrance area (1970) and other areas have been repaired more than once. The snowstorm of 2011 has made things worse in regards to “tripping issues”, Handicap access.

Cost to remove old concrete sidewalk and replace with new

Estimated Cost - \$21,480

- **TMS Removal of 90 Old Locker Fronts**

Locker #1 to 180 – old double door side-by-side with 2 book doors above (most middle school children cannot use – installed 1968) Some of the lockers have rust on the inside and will need to be painted.

1. Replace with new double tier “front only” to match existing lockers that were installed throughout the building in 1990’s.
2. Install with recessed combination locker set with master key entry.

Estimated Cost \$15,310

- **THS Front Entrance Cantilever Roof Ice Melting Equipment**

During the snow storm 2010 /11 we had 8’ of snow on the Cantilever Roof over the front entrance and foyer to the THS. This caused 5 of the 8 front entry doors to be jammed shut due to snow loads. The snow came from the two high roofs above Cantilever roof. (All 8 of the Rear Bus Entry doors were in good working order) The 2” to 3” stones (Roof Ballast) will have to be moved to make way for the 912 sq. ft. ice melting cable and then be reinstalled over the cable.

Approximate cost for all equipment and installation – Total; \$25,255

- **TIS Gym Door Removal**

Remove large bi-folding gym door (installed 1973 - 20'6" H x 72'L) and replace with electric "row down curtain". Parts are hard to find or need to be custom made for this door and we also have had to restrict usage.

Gym door repair costs run \$1,500 - \$3,000 a year

Estimated Cost - \$54,000

YEAR 2016 - 2017

- **TBO Removal and Replacement of 1983 (30 yr. Old) Oil Fired Boiler**

Remove Oil Fired Boiler that was installed in 1983 and replace with an LP Gas unit that is sized appropriately. NOTE :Cost based on newly installed boiler at Crandall Lodge.
Cost for Project A =\$ 26,560

Install a new 1000 gal. PL Gas Tank above ground (owned by the town) for the new boiler at TBO. **Cost for Project B =\$ 2,500**

Approximate cost for Project A,B, = Total: \$ 29,060

Please Note: That if we ever wanted to install a new PL Gas type emergency generator at the TBO it could be powered by the 1,000 gal. PL Gas Tank for the boiler.

- **BGS Fire Exit Foyer Door Area by Classroom A-2 & SPL A-12 (floods after a heavy rain).**

NOTE: The concrete slab and asphalt outside the exit area approximately 1,680 sq. ft. needs to be removed and the area re-graded so the rain and ice melt flow towards an existing field catch basin 30' away from the exit doors. The doors and frames for both the foyer and outside door need additional work due to rusting from standing water.

Approximate cost \$12,000

- **TMS Painting of all Class Rm. & Hallways.**

Paintable area (Classroom walls, unside steel windows, hallways & steel door frames) at TMS locker room, science wing, café, kitchen, art room, auditorium section,with an approximate sq. ft. 94,500

- (1) Painting of classroom & office door frames $\$80.00 \times 165 = \$13,200$
 - (2) Painting of classroom & office steel windows $\$100.00 \times 58 = \$ 5,800$
 - (3) Painting of classroom Cinder Block Walls at $\$ 6.50 \text{ sq. ft.} = \underline{\$ 614,250}$
- Total **\$633,250**

YEAR 2017 - 2018

- **THS All Weather Track (installed 2005) Resurfacing**

NOTE: Suggested revised cost based on TMS 2013/14 Urethane RE-Coat Bid was \$96,000

Estimated cost \$97,000

- **BGS Repair driveway and parking lot**

Estimated Cost - \$200,000

Capital Projects Removed from Requested Funding

October 2012

Revised Estimates (as of 9-11)

Priority () (1) **TMS Modular classroom 1 & 2 Roof Replacement** Revised Estimate (as of 9-11) **\$18,500** (includes soft cost and contingency – was \$28,000) No warranty and using existing gutters.

Yearly repair cost \$300 to \$800 (Roof was rusting out and had to be recoated by maintenance department – summer 2009).

NOTE:

Modulars 1 & 2 were original installed at TIS (OMS) in 1994 (19 yrs. old). Modulars were relocated to TMS (OHS) in 1999 and used as classrooms until 2006. They were closed for 2 years and reopened in 2008. Over the years they have required numerous repairs to doors & frames (wind damage), electrical systems, outside walls (snow damage), floor area was replaced because of dry rot. Modulars 1 & 2 should be replaced and an architect hired to do a feasibility study on what they should be replaced with.

Priority () (3) **TMS Library and Guidance/Front Office Area HVAC \$60,600**

The window air conditioner units in use today are 4-8 years old. Replacement cost \$300 to \$800 each (depending on location) and there is no air conditioning in the library on the 2nd floor.

October 2013

TIS/TMS 14 KW Propane Type Emergency Generators Note: Removed in 2013

NOTE: Replaced by Full size Emergency Generators

The sole purpose of the generator will be to protect the Internet Server room and all of the associated equipment within it (Roof Top AC Unit, TMS Telephone system) at TIS/TMS. The rooms on the 2nd floor of TIS/TMS have become the center Computer Hub for THS, TMS, TIS, BGS, BOE, and shared functions with the town hall.

Approximate cost for all Electrical equipment and installation – Total: \$17,034

NOTE: Install Four New 200 gallon propane tanks (Owned by TBE)

Approximate cost for all Propane equipment and installation – Total: \$6,000

Capital Projects To Be Moved to Town Side from Requested Funding

YEAR 2012-13

Priority () (1) **PMS Oil Tank Removal** – removal of 6,000 gallon 24 year old underground (emptied of oil in 9-10). Steel oil tank and in ground transfer pump pit, removal, soil test of area, disposal, backfill and repaving of area. **Soft cost \$18,000**

Tank was emptied of all product (3,000 gallons of old oil), tank cleaned inside by Tri-S Environmental Co. 1,000 gallon of water will be added to empty tank for ballast.

YEAR 2014-15

NEW Project Priority (1) **PMS 1963 New Roof over Main Building \$575,300**

A new 30,644 sq. ft. roof is needed at PMS. Numerous leaks in classrooms and mold is becoming a problem.

Cost of new roof estimated	\$552,000
Architectural fees	18,500
Hazmat investigation fees (roof cuts)	2,000
Soft cost	<u>2,800</u>
Approximate cost	\$575,300

NEW Project **PMS Demolition of Portable Classroom \$10,500**

The 1994 1,080 sq ft. wooden portable classroom has been closed for some time (6/209). The gutters are falling off and the outside walls are so bad that you can put your finger through them (snow storm 2011). There is a large family of animals living under the portables at this time and mold is becoming a big problem.

1. Demolition of existing portable structure.
2. Load out and dispose of demolition material to a licensed offsite facility
3. Removal of concrete footings.
4. Fill in area and grade off.

Approximate cost \$10,500

Five Year Capital Budget Summary of Associated Operating Costs
 FY 2014-2015 through 2018-2019

<u>Function</u>	<u>Activity</u>	<u>Program</u>	<u>Project</u>	<u>Operating Costs</u>
FY 2015-2016 Capital Budget	Parks and Recreation	Parks and Recreation	Construction of Softball Fields	\$2,000-\$3,000 operating costs

**These costs are estimates and more accurate figures are dependent upon the size and type of building either renovated or built