

# **TOWN OF TOLLAND**



**FY 2017 - 2018 through 2021 - 2022  
Town Manager's Five Year Capital Plan  
February 16, 2017**



# CAPITAL BUDGET

**Everything the Town does, from providing services to its residents and citizens, to equipping employees to effectively perform their jobs, requires the existence of certain basic physical assets.**

**Assets include:**

- **Streets**
- **School Facilities**
- **Parks**
- **Large Equipment**
- **Buildings**
- **Technology**

**Assets must be purchased, maintained and replaced on a timely basis or their usefulness in providing public services will diminish.**

**The Town's Five Year Capital Improvement Program is developed to ensure adequate capital investment in the Town's assets and to provide an orderly method for funding these assets.**



# ***WHAT IS A CAPITAL ITEM?***

***Definition of Capital Projects:*** Any project, to be included in the Town's Capital Improvement Program, should fall into one of the following three program categories:

- 1. Any new or expanded physical facility, including preliminary design and related professional services.**
- 2. Land or property acquisition.**
- 3. Items of a non-recurring nature where the benefits are realized over a long period of time.**

**A project should also exhibit the following characteristics to be included in the Capital Improvement Program:**

- 1. *Life Expectancy:*** The project's outcome, non-recurring in nature, should have a useful life of greater than eight years.
- 2. *Cost:*** Cost should be a relatively high, non-operative expenditure for the Town; generally in excess of \$10,000 for equipment or plant facility improvements.



# ***CAPITAL BUDGET PLANNING PROCESS***

<b>Activity</b>	<b>Dates</b>
Capital budget requests submitted to Town Manager.	October 20, 2016
Preliminary Capital Budget Committee Review and Department Head meetings. Board of Education Superintendent and School Facilities Director were included in meetings.	Month of November, 2016
Manager submits Capital Program to Council.	Week of Dec. 12, 2016
Capital Budget Public Hearing held.	February 16, 2017
Manager submits Capital Program to Council with recommended General Fund Budget.	March 8, 2017
Town Council approves recommended Capital Program as part of Council's Proposed Budget.	March 30, 2017
Capital Program as amended is part of Budget Referendum process.	May 2, 2017



## Revisions To Capital Budget After Submission by Town Manager to Town Council on December 15, 2016

- **Year 1:** Delayed the implementation of the \$100,000 of General Fund dollars for District wide capital improvements for one year.
- **Year 1:** Added \$116,517 for the Recreation Center HVAC System to be funded with \$41,517 from the General Fund, \$25,000 from the Recreation Fund and \$50,000 from the Utility Internal Service fund. In FY 16-17 LoCIP funds in this amount were programmed for this project and due to State bonding limitations the Town will not receive the entitlement for those funds unless there are some changes in legislation. It is essential to complete this project as the heating system will be eliminated once the construction begins for the Elderly Housing Complex. If the LoCIP funds end up being reallocated then we can revisit the funding alternatives next year with Council.
- **Year 1:** Added \$15,000 from the General Fund for a Town share of a grant match for a partnership with the Jail Museum for repairs to the Town owned building.



## **Revisions To Capital Budget After Submission by Town Manager to Town Council on December 15, 2016**

- **Year 1:** Deferred BOE \$12,786 of General Fund dollars for vehicle depreciation reserve.
- **Year 1:** Added \$21,576 for the paving of the lower level loading dock at Tolland Intermediate School and \$10,000 for repair and refinishing of the Tolland Middle School Auditorium floor from the General Fund.
- **Year 1:** Reallocated \$116,116 for the Highway Garage project from LoCIP funding to Non-Referendum Debt due to the uncertainty of the State funding next year.
- **Year 2:** Added \$319,000 for major repairs for the Plains Road Culvert to be funded by Non-Referendum Debt.



# ***TYPES OF FUNDING METHODS***

- **General Fund Contributions**
- **Capital Non-Recurring Fund**
- **Non-Referendum Notes**
- **Local Capital Improvement Plan Grant (State)**
- **Town Aid to Road Grant (State)**
- **State School Construction Grants and other State Grants**
- **Ambulance Fees**
- **Cemetery Funds**
- **Referendum Borrowing**
- **Unallocated Capital**
- **Hicks Trust**





**FY17-18: SIGNIFICANT CAPITAL PROJECTS**  
**FUNDED BY THE GENERAL FUND**  
**Total Amount: \$142,093**

**Board of Education:**

- Paving of the lower level loading dock at Tolland Intermediate School - \$21,576 (General Fund).
- Repair and refinishing of the Tolland Middle School Auditorium floor - \$10,000 (General Fund).

**Parks & Recreation:**

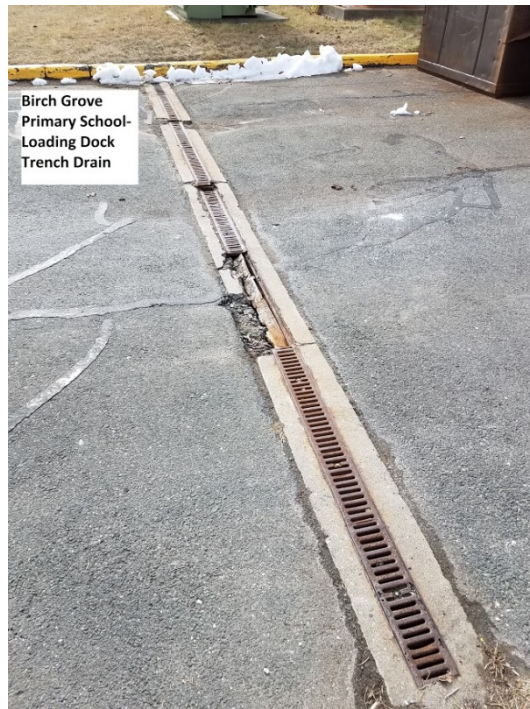
- Partial funding of Boiler at Recreation Center - \$41,517 (General Fund).

**Public Facilities:**

- Various projects - Senior Center roof replacement, repainting of Arts Building and Jail Building repairs (grant match) - \$69,000 (General Fund).



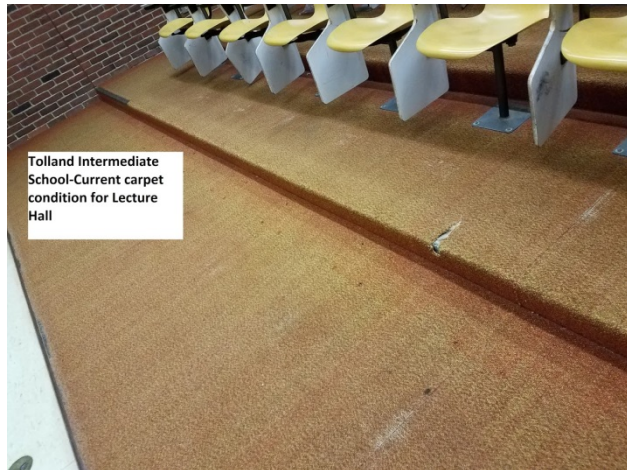
Tolland Intermediate School-Lecture Hall carpet showing major degradation at edges and seams



Birch Grove Primary School-Loading Dock Trench Drain



Tolland Middle School-Auditorium Stage floor showing severe wear and in need of re-finishing



Tolland Intermediate School-Current carpet condition for Lecture Hall



Tolland Intermediate School-Current Loading Dock paving Area



Tolland Middle School-Apparent flooring rot adjacent to exterior door on Auditorium Stage floor



## **FY17-18: SIGNIFICANT CAPITAL PROJECTS** **FUNDED BY OTHER SOURCES**

### **Town Administration:**

- Depreciation amount for replacement of Light Duty Vehicles (Town) - \$55,972 (CNRE Fund).

### **Capital Equipment:**

- Replacement of Public Works Dump Truck and Pavement Roller - \$190,300. (Non-Referendum Bonds).

### **Fire & Ambulance:**

- Replacement of Ambulance 540 - \$214,000 and AED program - \$17,500 (Ambulance Reserve Fund).

### **Parks & Recreation:**

- Partial funding of Boiler at Recreation Center - \$25,000 from the Recreation Fund and \$50,000 from the Utility Internal Service Fund (Town Reserve).



## **FY17-18: SIGNIFICANT CAPITAL PROJECTS** **FUNDED BY OTHER SOURCES**

### **Public Facilities:**

- Additional allocation to address construction costs of the Highway Garage Renovations - \$1,349,779 (Non-referendum Bonds). Expected to be bid out in Spring 2017.

### **Streets & Roads:**

- Town portion of funding for repaving Old Cathole Road North - \$410,800 (Non-Referendum Bonds).
- Drainage and detention basin repair - \$200,000 (Non-Referendum Bonds).
- Pavement Management - \$339,123 (Town Aid Road Grant Funding).



## **Significant Projects in Years 2-5 By All Sources**

### **Year 2**

#### **Board of Education:**

District Wide Capital improvements in the amount of \$100,000 (General Fund).

#### **Capital Equipment:**

- Replacement of various equipment in the amount of \$248,350 with \$15,350 from the General Fund, \$53,000 from CNRE Fund and \$180,000 from Non-Referendum borrowing.



## **Significant Projects in Years 2-5 By All Sources**

### **Year 2, continued**

#### **Public Facilities:**

- Allocation of \$100,000 for Firehouse Improvement Design Phase from Non-Referendum borrowing.

#### **Pavement Management:**

- \$339,123 from Town Aid Road (TAR), \$116,116 from LoCIP Grant and \$685,561 from Non-Referendum borrowing for various Road Improvements and paving Cross Farms rear parking lot.
- Drainage and detention basin repairs - \$200,000 (Non-Referendum Bonds).
- Plains Road Culvert major repairs - \$319,000 (Non-Referendum Bonds).



## **Significant Projects in Years 2-5 By All Sources**

### **Year 3**

#### **Capital Equipment:**

- Replacement of various capital equipment in the amount of \$246,350 with \$60,350 from the General Fund, \$118,000 in Non-Referendum borrowing and \$68,000 from other sources.

#### **Public Facilities:**

- \$3,000,000 is programmed for additions and upgrades to Station 140, Station 340, Station 440 and Dog Pound. This would be financed by Referendum approved Notes and Bonds.

#### **Fire & Ambulance:**

- \$1,500,000 for replacement of Rescue 240 and ET-540 from Referendum Bonds.



## **Significant Projects in Years 2-5 By All Sources**

### **Year 3, continued**

#### **Pavement Management:**

- \$1,000,000 for various road improvements from various sources.

#### **Streets & Roads:**

- Drainage construction, various - \$200,000 (Non-Referendum Bonds).

#### **Board of Education:**

- District Wide Capital improvements in the amount of \$100,000 (General Fund).



# **Significant Projects in Years 2-5 By All Sources**

## **Year 4**

### **Board of Education:**

#### District Wide:

- \$100,000 from the General Fund for District wide capital improvement projects.

### **Capital Equipment:**

- \$205,350 for various Public Works capital equipment replacements from General Fund (\$15,350), CNRE Fund (\$50,000) and Non-Referendum borrowing (\$140,000).



# **Significant Projects in Years 2-5 By All Sources**

## **Year 4, continued**

### **Pavement Management:**

- \$1,000,000 to address road maintenance, parking lot and neighborhood roads according to automated pavement management system recommendations - (\$544,761 Non-Referendum Bonds, \$116,116 LoCIP, \$339,123 TAR).
- Drainage construction, various - \$200,000 (Non-Referendum Bonds).

### **Town Administration:**

- Creation of an account to address yearly Capital Improvement needs of Town Facilities in the amount of \$50,000.



## **Significant Projects in Years 2-5 By All Sources**

### **Year 5**

#### **Board of Education:**

- \$1,104,560 for parking lot paving, boiler replacements, removal of portable buildings at TMS and technology upgrades to be financed by referendum approved notes & bonds.
- District Wide - \$100,000 from the General Fund for District wide capital improvement projects.

#### **Capital Equipment:**

- Replacement of various Public Works capital equipment in the amount of \$215,350.

#### **Fire & Ambulance:**

- Replacement of Ambulance 640 - \$285,000 and Refurbishment of ET 140 - \$130,000 (Ambulance Reserve Fund).



## **Significant Projects in Years 2-5 By All Sources**

### **Year 5, continued**

#### **Streets & Roads:**

- \$1,000,000 to address road maintenance, parking lot and neighborhood roads according to automated pavement management system recommendations - (\$544,761 Non-Referendum Bonds, \$116,116 LoCIP, \$339,123 TAR).
- \$5,000,000 for Town-wide road improvements from Referendum borrowing.
- Drainage construction, various - \$200,000 (Non-Referendum Bonds).

#### **Public Facilities:**

- Pole shed at Highway Garage to cover vehicles to protect from harsh elements - \$80,000 (General Fund).



## ***PAST 5 YEAR GENERAL FUND CAPITAL CONTRIBUTIONS***

**FY13 - \$171,877 or .33% of Townwide Operating Budget**

**FY14 - \$141,991 or .27% of Townwide Operating Budget**

**FY15 - \$86,456 or .16% of Townwide Operating Budget**

**FY16 - \$183,814 or .34% of Townwide Operating Budget**

**FY17 - \$116,624 or 1.10% of Townwide Operating Budget**

**Town Manager Proposed FY18 = \$142,093 or  
\_\_??\_\_% of Townwide Operating Budget**

Equipment Aging Schedule for Units Assigned to Parks & Facilities Garage												
2017/2018 proposed 5 year CIP												
updated as of 12/2016												
Vehicle/Eqp #	Description	Year	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 23/24	FY 25/26	FY 26/27
<b>Trucks:</b>												
39 TOL	Ford F800 Dump	1996	21									
63 TOL	GMC 3500	1999										
37 TOL	GMC 3500	2003										
38 TOL	Ford F550	2004	13	14	15	16						
56 TOL	Ford F250	2006	11	12	13	14	15	16	17	18	19	20
53 TOL	Ford F450	2007	10	11	12	13	14	15	16	17	18	19
81 TOL	Ford F250	2007	10	11	12	13	14	15	16	17	18	19
68 TOL	Ford F550	2007	10	11	12	13	14	15	16	17	18	19
75 TOL	3/4 Ton Van	2008	9	10	11							
55 TOL	Ford F450	2011	7	8	9	10	11	12	13	14	15	16
5 TOL	Ford F250	2012	6	7								
61 TOL	Ford F250 (mechanics truck)	2013	5	6	7	8	9	10	11	12	13	14
50 TOL	Ford F450	2015	3	4	5	6	7	8	9	10	11	12
80 TOL	Ford F550	2016	1	2	3	4	5	6	7	8	9	10
<b>Scheduled Replacements:</b>												
39 TOL	Ford F800 Dump	2017	new	1	2	3	4	5	6	7	8	9
5 TOL	Ford F250	2018		new	1	2	3	4	5	6	7	8
75 TOL	3/4 Ton Van	2019			new	1	2	3	4	5	6	7
38 TOL	Ford F550	2020				new	1	2	3	4	5	6
<b>Equipment:</b>												
	Ford Tractor	1970	37	38	39	40	41	42	43	44	45	46
	Sweepstar	1991	26	27	28	29	30	31	32	33	34	25
	Easy Rake	1998	19	20	21	22	23	24	25	26	27	28
	Lazer Lawnmower	1999	18	19	20	21	22	23	24	25	26	27
	Gravely Snow Blower	1999	18	19	20	21	22	23	24	25	26	27
	Gravely Snow Blower	1999	18	19	20	21	22	23	24	25	26	27
	John Deere Tractor	2001	16	17	18	19	20	21	22	23	24	25
	Easy Rake	2001	16	17	18	19	20	21	22	23	24	25
	Skidsteer New Holland 180	2002	15	16	17							
	4000 Lawnmower	2003	14	15								
	Easy Rake	2005	13	14	15	16	17	18	19	20	21	22
	Lazer Lawnmower	2005	13	14	15	16	17	18	19	20	21	22
	Gravely Snow Blower	2005	13	14	15	16	17	18	19	20	21	22
	Cat Loader	2006	12	13	14	15	16	17	18	19	20	21
	Gravely Snow Blower	2007	11	12	13	14	15	16	17	18	19	20
	Lazer Lawnmower	2007	11	12	13	14	15	16	17	18	19	20
	Kubota tractor	2007	11	12	13	14	15	16	17	18	19	20
	4000 Lawnmower	2007	11	12	13	14	15	16	17	18	19	20
	Line Painter	2008	12									
	Skidsteer New Holland 170	2011	7	8	9	10	11	12	13	14	15	16
	580 Mower #1	2010	7	8	9	10	11	12	13	14	15	16
	Ventrix mower/thrower	2013	6	7	8	9	10	11	12	13	14	15
	ExMark Lazer Lawnmower	2014	4	5	6	7	8	9	10	11	12	13
	ExMark Lazer Lawnmower	2014	4	5	6	7	8	9	10	11	12	13
	ExMark Lazer Lawnmower	2014	4	5	6	7	8	9	10	11	12	13
	ExMark Lazer Lawnmower	2014	4	5	6	7	8	9	10	11	12	13
	Easy Rake/Smithco Groomer	2015	2	3	4	5	6	7	8	9	10	11
<b>Scheduled Replacements:</b>												
	Line Painter	2018	new									
	4000 Lawnmower	2019		new	1	2	3	4	5	6	7	8
	Skidsteer New Holland 180	2020			new	1	2	3	4	5	6	7
			recommended end of service						3 years past recommended end of service			
			1 year past recommended end of service						4+ years recommended end of service			
			2 years past recommended end of service						scheduled for replacement			

Equipment Aging Schedule for Units Assigned to Highway Garage												
2017/2018 proposed 5 year CIP												
updated as of 12/2016												
Vehicle/Eqp #	Description	Year	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27
<b>Trucks:</b>												
29 TOL	Mack Dump (winter use only)	1991										
30 TOL	Mack Dump (winter use only)	1993										
12 TOL	International 4700 (Tree Truck)	2000	17	18	19	20	21	22	23	24	25	26
64 TOL	Ford F250	2002	15	16	17	18	19	20	21	22	23	24
35 TOL	Western Star Dump	2002	15	16	17	18	19	20	21	22	23	24
8 TOL	Ford Utility	2003	14	15	16							
9 TOL	Ford F150	2003	14	15	16	17	18	19	20	21	22	23
23 TOL	Mack 10 Wheel (refurbished 2015)	2004	13	14	15	16	17	18	19	20	21	22
33 TOL	Mack Dump	2005	12	13								
2 TOL	Ford F250 P/U	2006	11	12	13	14						
25 TOL	Ford D-550 Dump	2007	10	11	12							
14 TOL	GMC 7500	2008	9	10	11	12	13	14	15	15	16	17
21 TOL	Mack Dump	2008	9	10	11	12	13	14	15	15	16	17
27 TOL	International 7400	2008	9	10	11	12	13					
31 TOL	International 7400	2009	8	9	10	11	12	13	14	15	16	17
26 TOL	International 7400	2012	6	7	8	9	10	11	12	13	14	15
32 TOL	International 7400	2012	6	7	8	9	10	11	12	13	14	15
1 TOL	Ford F250	2012	6	7								
51 TOL	International 7400	2013	5	6	7	8	9	10	11	12	13	14
28 TOL	International 7400	2014	4	5	6	7	8	9	10	11	12	13
11 TOL	Ford F350	2015	3	4	5	6	7	8	9	10	11	12
13 TOL	Ford F350 Rack Body	2015	3	4	5	6	7	8	9	10	11	12
4 TOL	Ford F350	2015	3	4	5	6	7					
24 TOL	International 7400	2016	2	3	4	5	6	7	8	9	10	11
6 TOL	International Low Pro 4300	2016	1	2	3	4	5	6	7	8	9	10
<b>Scheduled Replacements:</b>												
33 TOL	International 7400	2018		new	1	2	3	4	5	6	7	8
1 TOL	Ford F250	2018		new	1	2	3	4	5	6	7	8
25 TOL	Ford D-550 Dump	2019			new	1	2	3	4	5	6	7
8 TOL	Ford Utility	2019			new	1	2	3	4	5	6	7
2 TOL	Ford F250 P/U	2020				new	1	2	3	4	5	6
27 TOL	International 7400	2021					new	1	2	3	4	5
4 TOL	Ford F350	2021					new	1	2	3	4	5
<b>Heavy Equipment:</b>												
	Cat Grader	1972	45	46	47	new "used"						
	Dyno Pack Roller	1988	28									
7 TOL	Vac-A-All	2000	17	18	19	20	21	22	23	24	25	26
20 TOL	Cat 938 Loader	2002	15	16	17	18	19	20	21	22	23	24
19 TOL	Elgin Sweeper	2003	14	15	16	17	18	19	20	21	22	23
	Paver (used)	2007	10	11	12	13	14	15	16	17	18	19
	Roadside Mower	2010	7	8	9	10	11	12	13	14	15	16
	Hyundai Excavator 4500	2011	7	8	9	10	11	12	13	14	15	16
17 TOL	Cat Loader 924	2014	4	5	6	7	8	9	10	11	12	13
22 TOL	Cat Backhoe	2014	4	5	6	7	8	9	10	11	12	13
<b>Scheduled Replacements:</b>												
	Dyno Pack Roller	2017	new	1	2	3	4	5	6	7	8	9
	Cat Grader	used				new "used"						
			recommended end of service					3 years past recommended end of service				
			1 year past recommended end of service					4 years or more past recommended end of service				
			2 years past recommended end of service					scheduled for replacement				



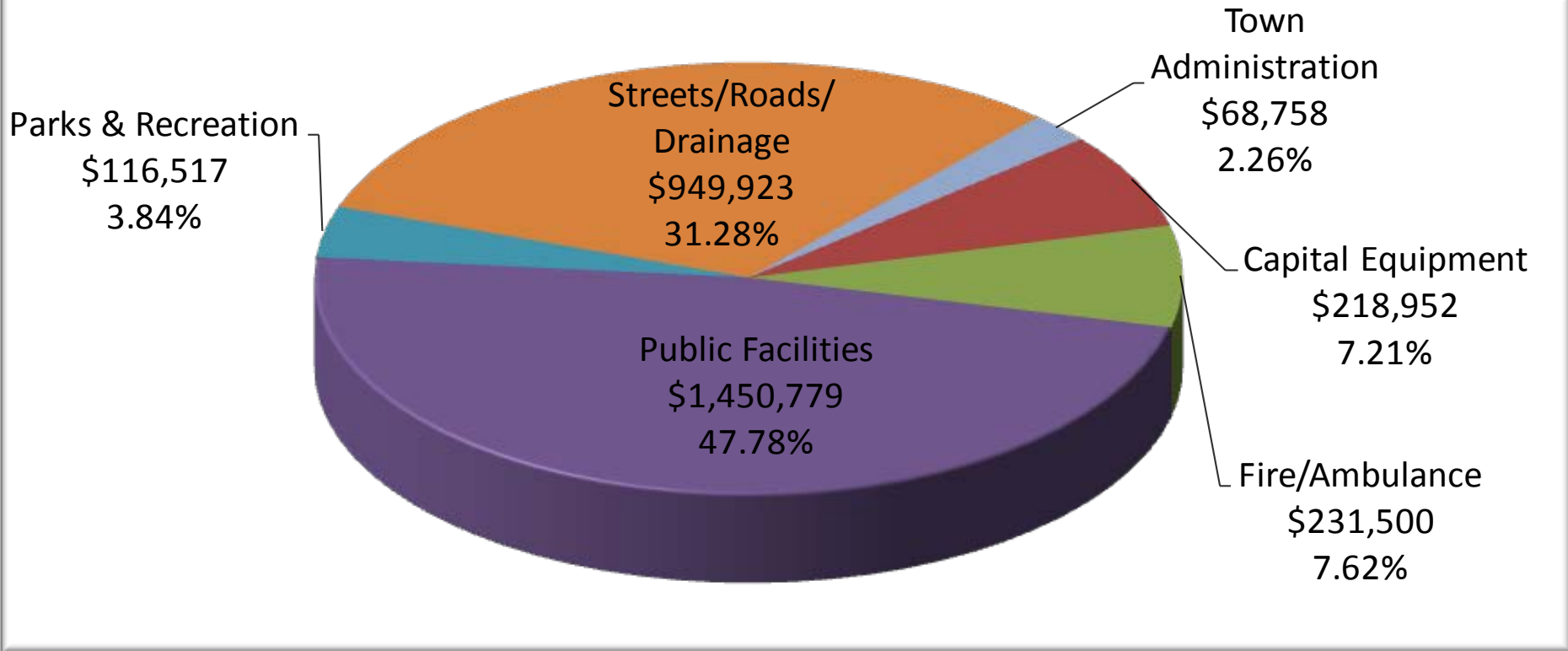
# **Public Safety Equipment Replacement Cycle**

## **Tolland Public Safety Vehicle Replace/Rehab Schedule**

<b>Replace- ment Year</b>	<b>Vehicle Year</b>	<b>Vehicle</b>	<b>Make</b>	<b>Model</b>	<b>New to Departme nt</b>	<b>Original Cost to Department</b>	<b>Year Rehab Completed or Recommende d</b>	<b>Cost of Rehab</b>	<b>Cost of Replacement</b>	<b>Comments</b>
<b>2016</b>	2005	Asst. Chief	Chevrolet	Tahoe	<b>2006</b>	<b>\$65,000.00</b>	<b>NR</b>		<b>\$75,000.00</b>	<b>TFD Corporation purchased in 2006, was used by Asst. Director now Asst. Chief and Deputy</b>
<b>2016</b>	2006	S 440	Chevrolet	Tahoe	<b>2006</b>	<b>\$20,000.00</b>	<b>NR</b>		<b>\$75,000.00</b>	<b>TFD Corporation purchased USED in 2014</b>
<b>2016</b>	2011	Chief	Chevrolet	Tahoe	<b>2011</b>	<b>\$90,000.00</b>			<b>\$90,000.00</b>	<b>TFD Corporation to purchase in 2016, current Chief and Director</b>
<b>2017</b>	2010	A 540	Life Line	Superliner III Ambulance	<b>2010</b>	<b>\$220,000.00</b>	<b>2016</b>		<b>\$275,000.00</b>	Capital 2017
<b>2018</b>	2002	R 240	KME	Rescue Truck	<b>2002</b>	<b>\$466,000.00</b>	<b>NR</b>		<b>\$750,000 to \$850,000</b>	Capital 2019-2020
<b>2018</b>	1987	ET 540	GMC	Fire Pumper	<b>1988</b>	<b>\$146,000.00</b>	<b>2007</b>	<b>\$68,000.00</b>	<b>\$570,000.00</b>	Capital 2019-2020
<b>2018</b>	2007	S 240	Ford	S-DTY	<b>2007</b>	<b>\$85,000.00</b>	<b>NR</b>		<b>\$85,000.00</b>	
<b>2018</b>	2011	FM 140	Ford	Expedition	<b>2015</b>	<b>\$5,500.00</b>	<b>NR</b>		<b>\$85,000.00</b>	Reassigned from Tow n Pool in 2015
<b>2020</b>	2007	S 440	Jeep	Grand Cherokee	<b>2016</b>	<b>\$4,500.00</b>	<b>NR</b>		<b>NA*</b>	Reassigned from Tow n Pool in 2015
<b>2021</b>	2008	UTV-240	Polaris	Ranger 6x6 UTV	<b>2008</b>	<b>\$28,000.00</b>	<b>NR</b>		<b>\$35,000.00</b>	Corporation ow ns
<b>2021</b>	2015	A 640	Ford	F550 Reg Cab Chassis	<b>2016</b>	<b>\$270,000.00</b>			<b>\$275,000.00</b>	Capital 2021-2022
<b>2023</b>	1993	ET 440	Pierce	Fire Pumper	<b>1993</b>	<b>\$245,000.00</b>	<b>2012</b>	<b>\$85,000.00</b>	<b>\$615,000.00</b>	Capital 2022
<b>2023</b>	2002	S 340	Ford	F 350 Pick Up	<b>2002</b>	<b>\$35,000.00</b>	<b>2015</b>		<b>\$30,000.00</b>	Renamed to S340 in 2016
<b>2024</b>	2004	Spec. Haz Trailer	Carry On	Tow Trailer	<b>2004</b>	<b>\$8,500.00</b>	<b>NR</b>		<b>\$15,000.00</b>	<b>TFD Corp purchased with Private Donation in 2004</b>
<b>2024</b>	2008	ATV-240	Polaris	500 Sport 2-Up	<b>2014</b>	<b>\$7,500.00</b>	<b>NR</b>		<b>\$15,000.00</b>	<b>TFD Corporation purchased USED with Private Donation in 2014</b>
<b>2025</b>	1991	T 240	Pierce Lance Quint	Aerial	<b>2015</b>	<b>\$62,500.00</b>	<b>2015</b>	<b>\$132,000.00</b>	<b>\$1,200,000.00</b>	Tow n purchased in 2013 USED from Berlin, CT FD
<b>2025</b>	2015	S 140	Ford	F550 Crew Cab Chassis	<b>2015</b>	<b>\$120,000.00</b>	<b>2026</b>	<b>\$80,000.00</b>	<b>\$155,000</b>	Chassis
<b>2026</b>	1994	ET 340	Pierce	Fire Pumper	<b>1994</b>	<b>\$316,000.00</b>	<b>2016</b>	<b>\$90,000.00</b>	<b>\$600,000.00</b>	Capital 2023
<b>2028</b>	2008	UTV-TRAILER	BIGTX	Trailer	<b>2008</b>	<b>\$4,500.00</b>	<b>NR</b>		<b>\$7,500.00</b>	<b>TFD Corporation purchased in 2008</b>
<b>2030</b>	2000	ET 140	Pierce	Fire Pumper	<b>2000</b>	<b>\$335,410.00</b>	<b>2020</b>	<b>\$150,000.00</b>		Capital 2021-2022
<b>2033</b>	2013	Trailer	United Trailer	UXT8524TA52	<b>2013</b>	<b>\$12,000.00</b>	<b>NR</b>		<b>\$22,000.00</b>	<b>TFD Corporation purchased USED with Private Donation in 2014</b>
<b>2035</b>	2006	ET 240	Pierce	Fire Pumper	<b>2005</b>	<b>\$440,000.00</b>	<b>2025</b>	<b>\$150,000.00</b>		
<b>2038</b>	2003	T 140	Kenw orth	Tanker	<b>2003</b>	<b>\$225,000.00</b>	<b>2023</b>	<b>\$90,000.00</b>	<b>\$350,000.00</b>	
<b>2038</b>	2003	T 440	Kenw orth	T800 - Tanker	<b>2003</b>	<b>\$225,000.00</b>	<b>2023</b>	<b>\$90,000.00</b>	<b>\$350,000.00</b>	
<b>*Cost of replacement would be approximately \$50,000 to \$75,000 for these vehicles</b>										



# ***FY17-18 CAPITAL PLAN BY PROGRAM AREA***





# ***We Must Protect Our Investment in Our Infrastructure***

**Miles of paved local roads: 124.23**

**Miles of unpaved local roads: 8.83**

 **Total miles of road = 133.06**

***To construct 1 mile of road = \$1 million dollars***

**133.06 miles x \$1,000,000 = \$133,060,000**

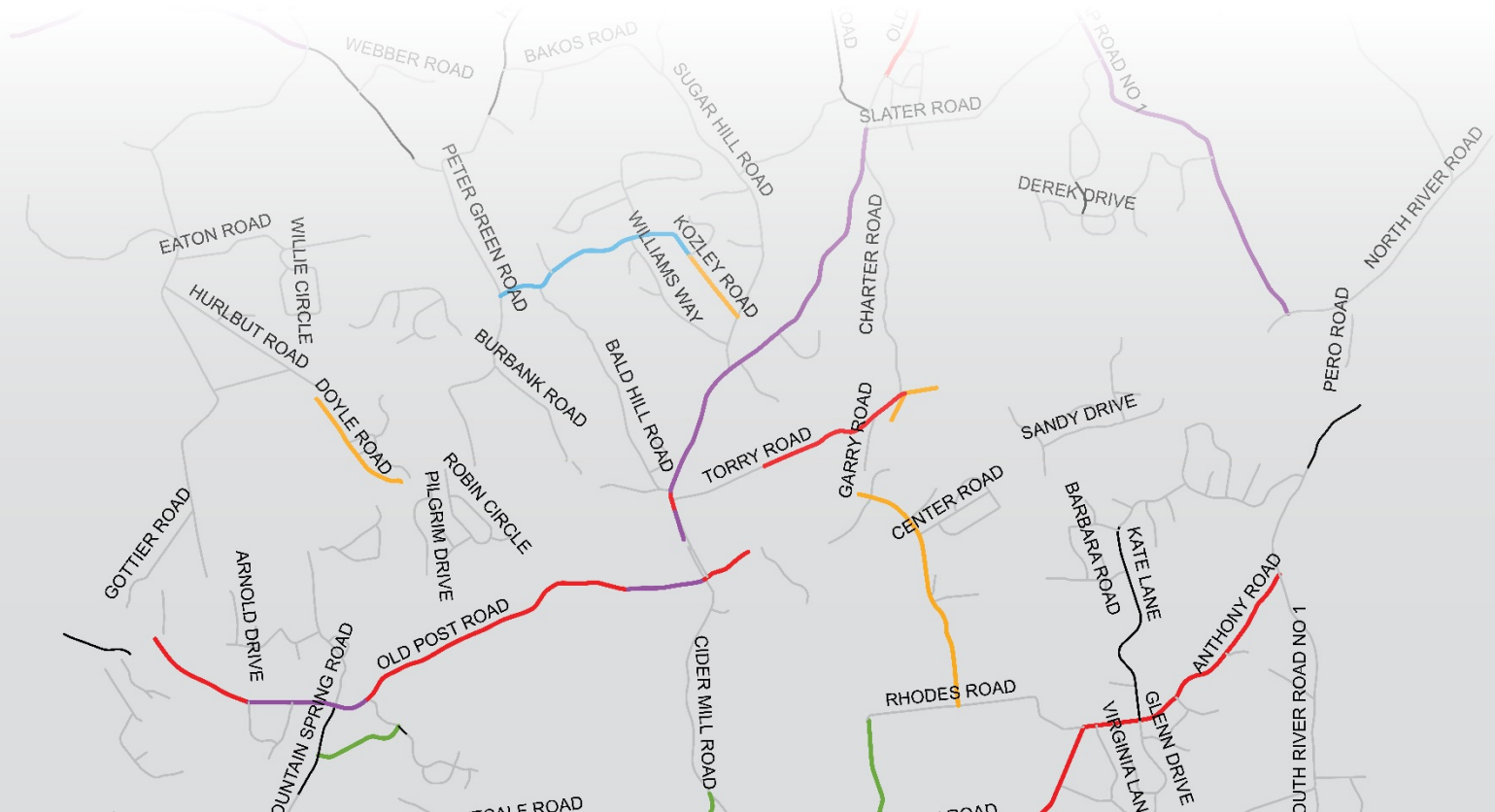
**• *The investment we must protect* •**



**Town of Tolland**

**February 16, 2017**

# **Pavement Management Update**

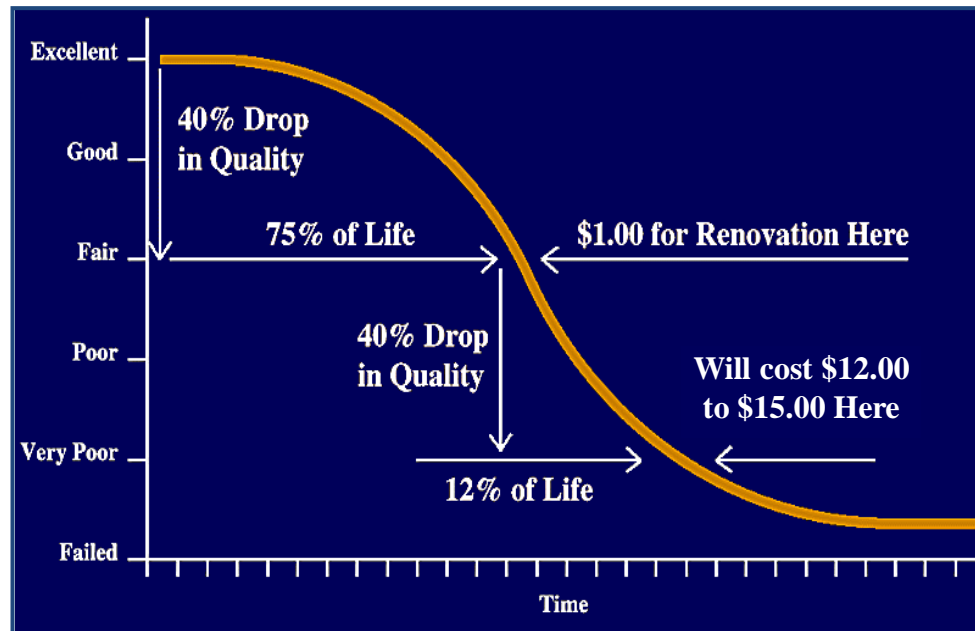


# What is Pavement Management?

The practice of planning for pavement maintenance and rehabilitation with the goal of maximizing the value and life of a pavement network.

Otherwise known as:

**“Getting the Biggest Bang for Your Buck”**



# The Process

- Pavement Section Inventory
- Pavement distress identification and quantification (Typically updated on a four year cycle)
- Pavement Condition Index (PCI) calculation on a 0 - 100 scale
- Define Repair Strategies and Costs
- Test various Budget Scenarios
- Develop list of candidate projects
- Apply engineering and local judgment to define annual road program

# Pavement Management Concepts

*Do Nothing Condition (PCI 91-100)*

**PCI = 99**



*Routine Maintenance Condition (PCI 83-90)*

**PCI = 86**



**PCI = 73**



*Preventive  
Maintenance Condition  
(PCI 71-82)*

# Pavement Management Concepts

*Structural Improvement Condition (PCI 56-70)*

**PD = 65**



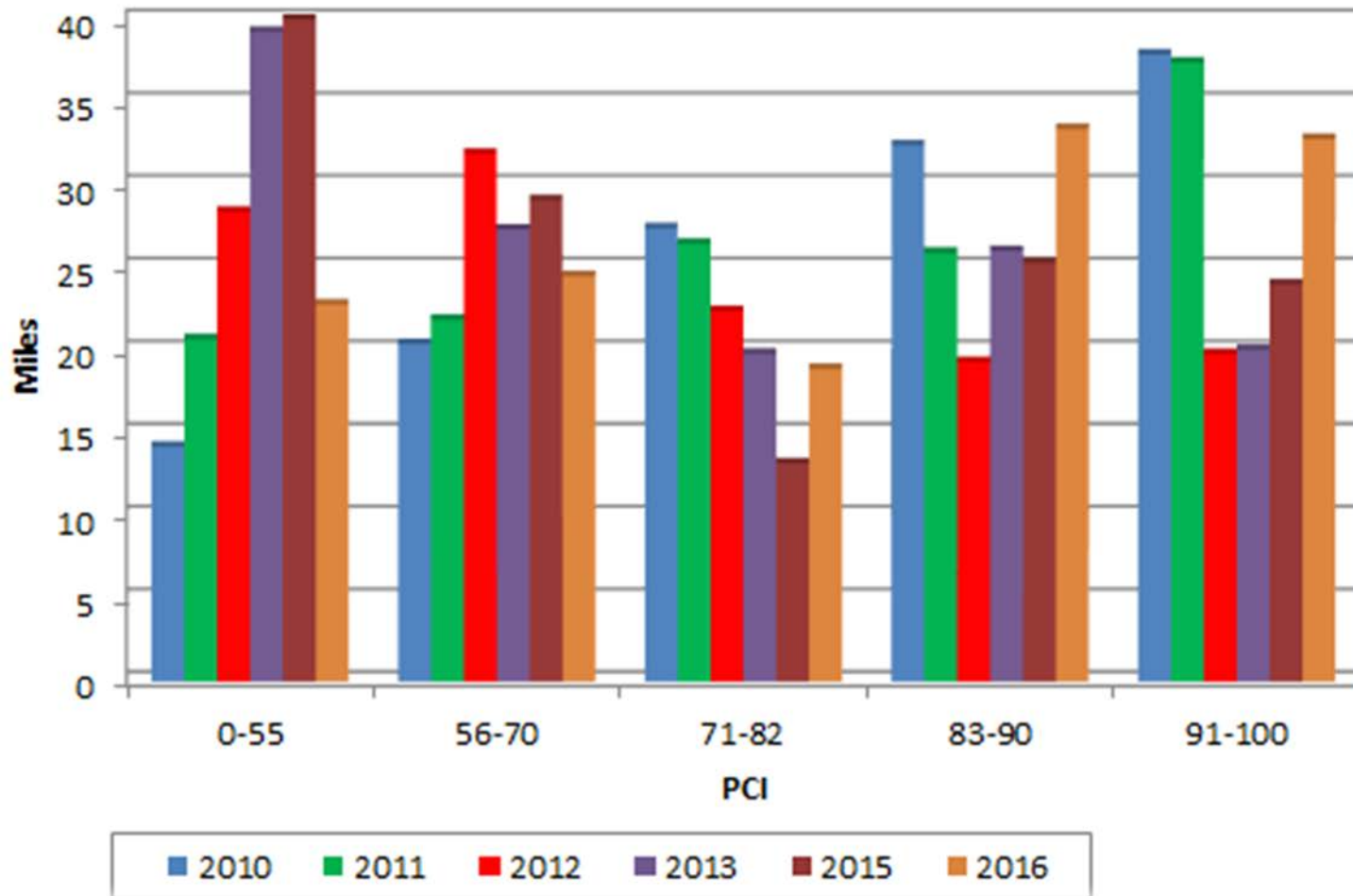
*Base Rehabilitation Condition (PCI 0-55)*

**PD = 43**



# Town of Tolland PCI Distribution Trend

2016 Average PCI = 77

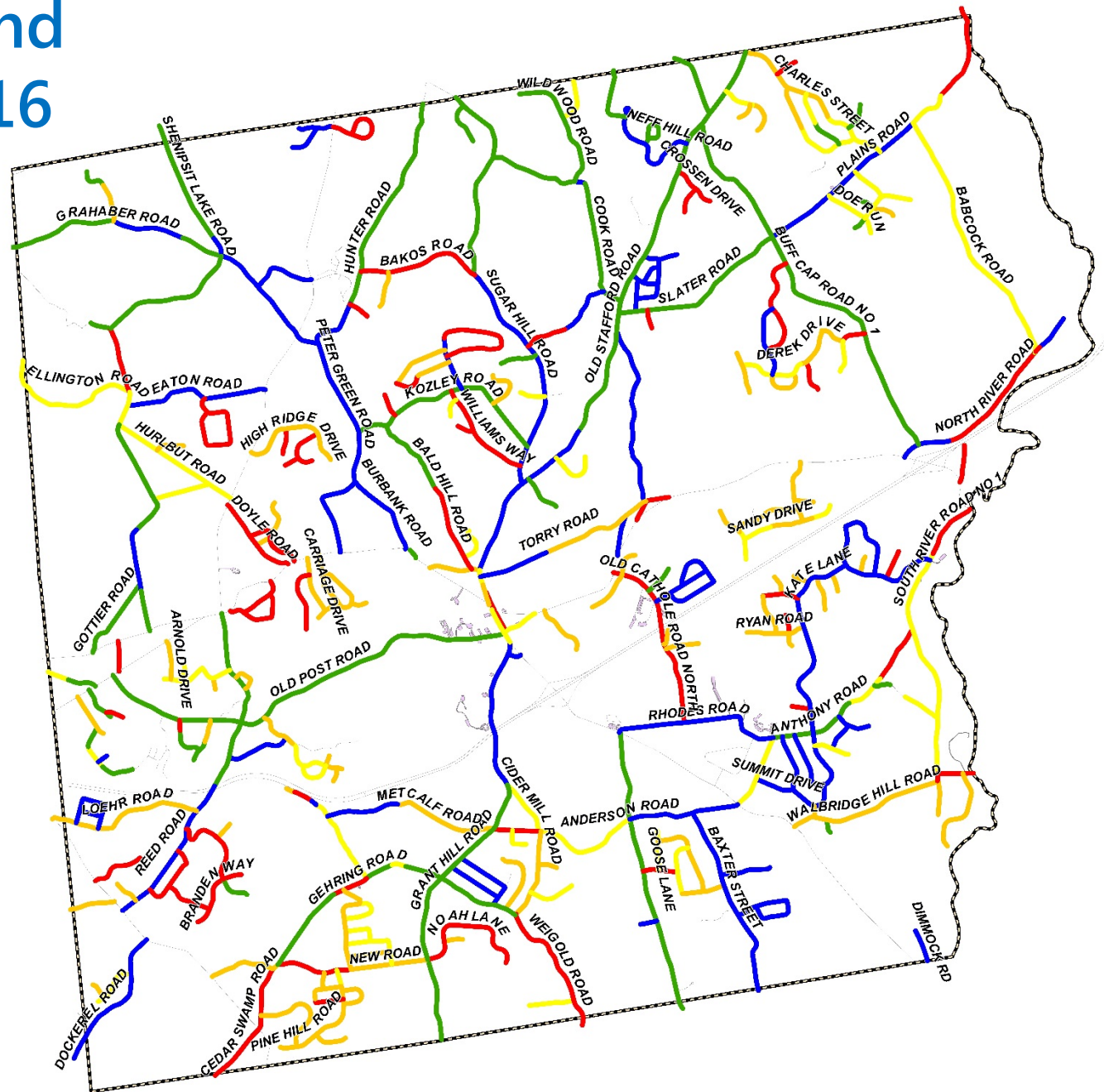


Note: The 2015 data is a result of software modeling used to predict future roadway conditions.

# Town of Tolland Estimated 2016 Pavement Condition

## Current Pavement Condition (PCI)

- 23 - 55
- 56 - 70
- 71 - 82
- 83 - 90
- 91 - 100



# Town of Tolland Summary of Needs

## February, 2017

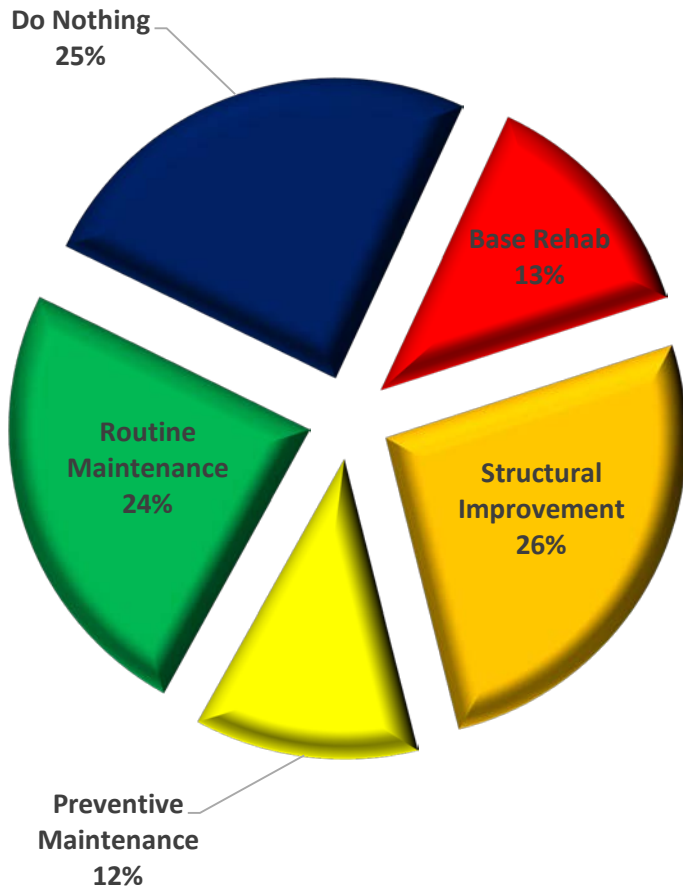
### Estimated Backlog of Pavement Needs\*

Treatment Band	Miles	Cost
Do Nothing	31	\$0
Routine Maintenance	30	\$220,000
Preventative Maintenance	15	\$1,414,000
Structural Improvement	32	\$5,177,000
Base Rehabilitation	16	\$4,676,000
Totals	<b>124</b>	<b>\$11,487,000</b>

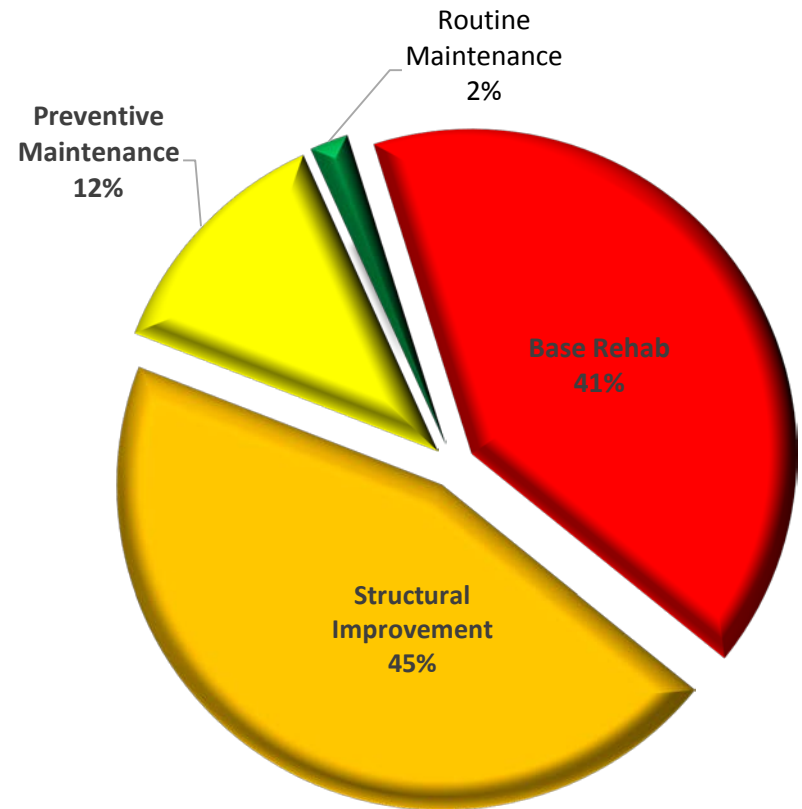
\* Paved roadways only

# Pavement Backlog Summary

## Miles



## Cost

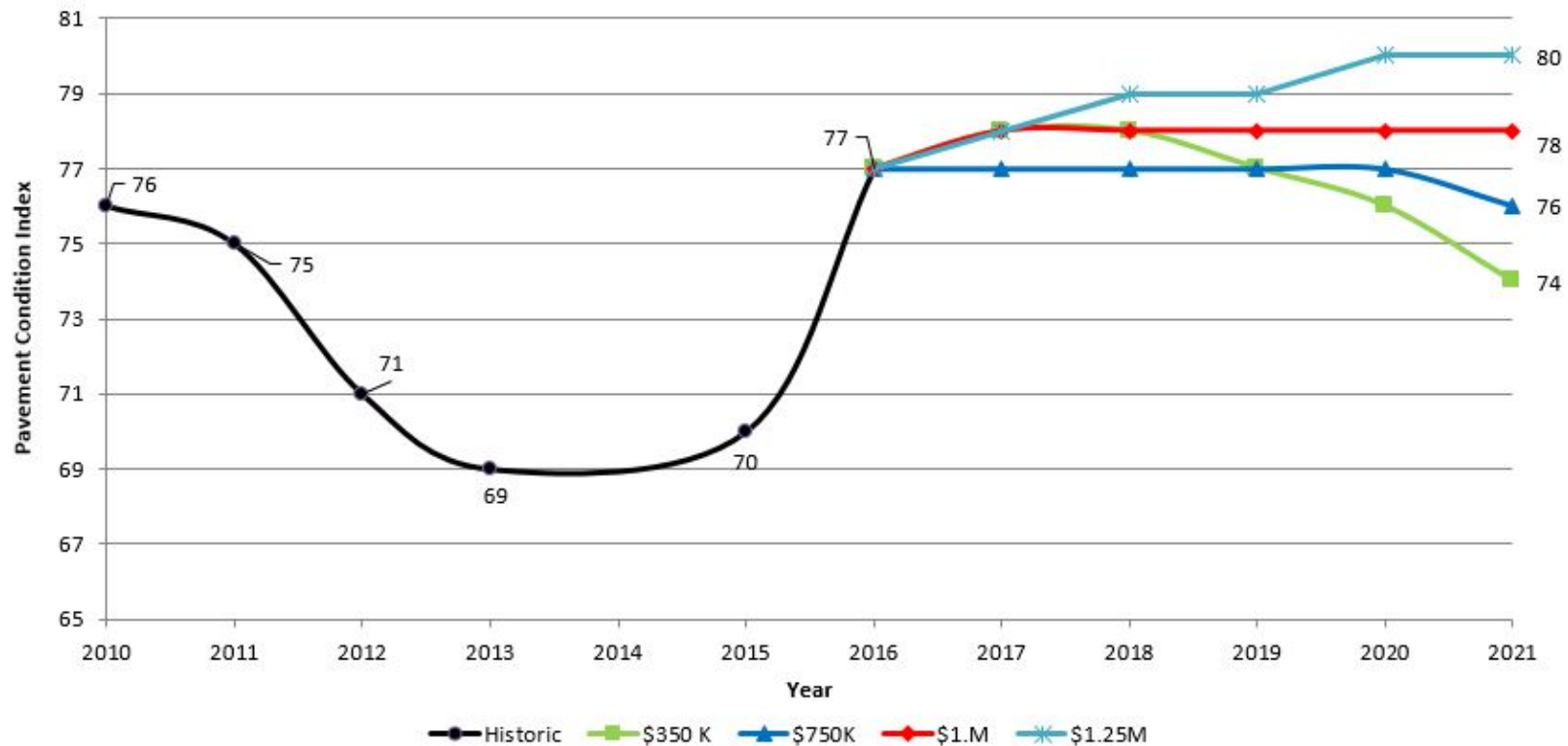


# Funding Scenario Comparison

- VHB evaluated the predicted effects of the following funding scenarios:
  - \$350K annually for 5 years
  - \$750K annually for 5 years with \$210K reserved for local roads in poor condition and \$40K for crack sealing
  - \$1 million annually for 5 years with \$210K reserved for local roads in poor condition and \$40K for crack sealing
  - \$1.25 million annually for 5 years with \$210K reserved for local roads in poor condition and \$40K for crack sealing

The analysis did not include parking lots, drainage, or gravel road needs.

# Future Pavement Condition Projection



# Development of Annual Road Program

## Process

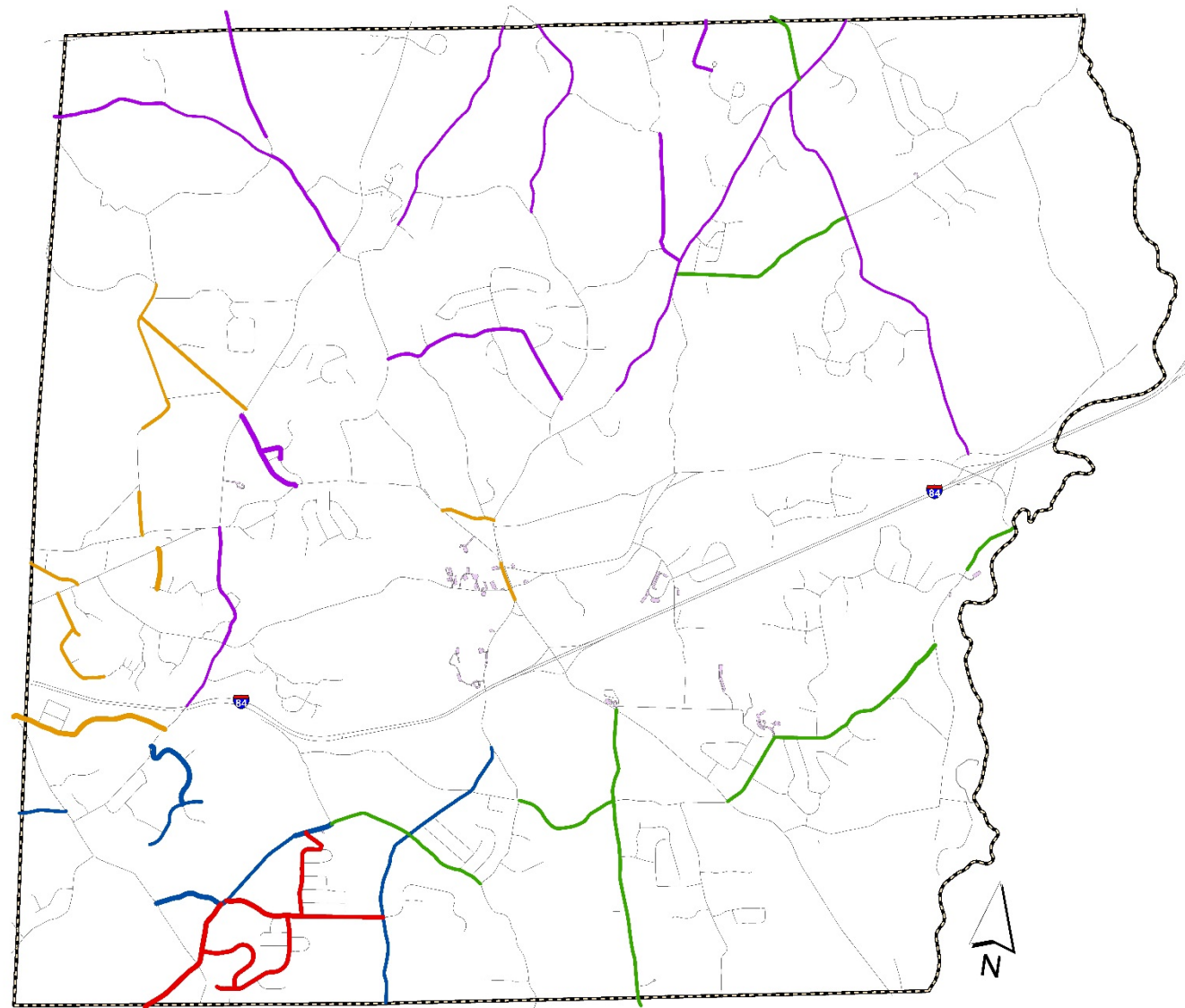
- Determine projected funding levels
- System recommends roads of highest benefit to the Town based on Higher Traffic Volume, Lower Repair Cost, Longer Repair Life, and Poorer Road Conditions
- Engineering and local judgment is used to adjust the program to reflect coordination with other projects, grouping work within a neighborhood, mobilization efficiencies, etc.

# Development of Annual Road Program

## Suggested Strategy

- Allocate 75% of the available funding to the most heavily travelled roads until those roads have reached acceptable condition
- Allocate \$250K annually for resurfacing work on local roads (and crack sealing, where needed)
- Coordinate work on residential roads within neighborhoods as budget allows
- Use full range of pavement treatment options

# Tolland 5 Year Plan



## Year and Repair

2017 Crackseal	2018 Overlay	2020 Overlay
2017 Overlay or Chipseal	2018 Reclaim or Cold in Place	2020 Reclaim or Cold in Place
2017 Reclaim or Cold in Place	2019 Overlay or Chipseal	2021 Mill & Overlay
	2019 Mill & Overlay	2021 Reclaim or Cold in Place
	2020 Crackseal & Patch	

Note: Plan subject to change due to changes in pavement condition and available funding.

# 2017 Road Program

Year	Name	Repair Alternative After Field Verification	PCI	Functional Classification
2017	BROWNS BRIDGE ROAD	Chip Seal	93	Major/Minor Collector
2017	BUFF CAP ROAD NO 1	Crackseal	86	Major/Minor Collector
2017	DOYLE ROAD	Reclaim or Cold in Place (Local)	42	Local- Thru Street
2017	FISH & GAME ROAD	Overlay (Local)	57	Local- Thru Street
2017	GRAHABER ROAD	Crackseal	88	Major/Minor Collector
2017	GRAHABER ROAD	Crackseal	94	Major/Minor Collector
2017	GRAHABER ROAD	Chip Seal	89	Major/Minor Collector
2017	HUNTER ROAD	Crackseal	87	Local- Thru Street
2017	LAKEVIEW HEIGHTS	Reclaim or Cold in Place (Local)	45	Local- Thru Street
2017	LOEHR ROAD	Reclaim	59	Local- Thru Street
2017	MOUNTAIN SPRING ROAD	Thin Overlay	86	Local- Thru Street
2017	MOUNTAIN SPRING ROAD	Crackseal	89	Local- Thru Street
2017	OLD STAFFORD ROAD	Crackseal	88	Major/Minor Collector
2017	OLD STAFFORD ROAD	Crackseal	88	Major/Minor Collector
2017	OLD STAFFORD ROAD	Crackseal	86	Major/Minor Collector
2017	OLD STAFFORD ROAD	Crackseal	87	Major/Minor Collector
2017	SUGAR HILL ROAD	Crackseal	88	Local- Thru Street

Note: Plan subject to change due to changes in pavement condition and available funding.



# **TOLLAND DEBT MANAGEMENT PLAN SCHEDULE**

## **2016-17 THROUGH 2025-26**

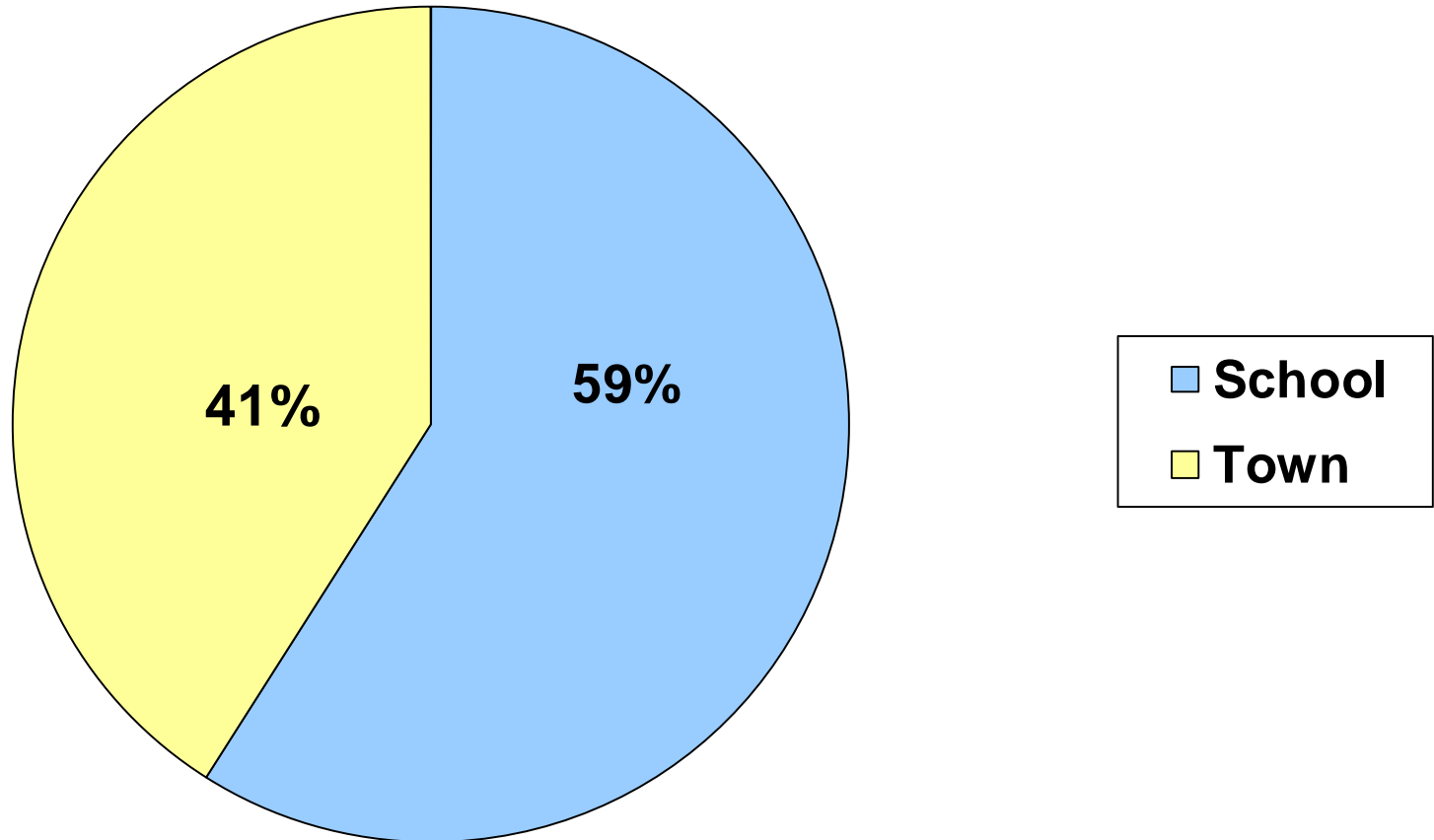
Impact on the General Fund budget will remain stable at \$4,550,000 over the next several years even though the Debt Management Plan reflects the debt service levels below. The balance will be paid from the Debt Service Fund. The negative amounts listed below under “Amount to be Paid from Debt Service Fund” are amounts to be contributed to the fund to cover future debt issues and in future years can also be allocated to pay as you go capital improvements.

	<b>Debt Management Plan</b>	<b>General Fund Budget</b>	<b>Amount to be Paid from Debt Service Fund</b>
FY 16/17	\$4,696,160	\$4,550,000	\$146,160
FY 17/18	\$4,705,757	\$4,550,000	\$155,757
FY 18/19	\$4,746,289	\$4,550,000	\$196,289
FY 19/20	\$4,628,865	\$4,550,000	\$ 78,865
FY 20/21	\$4,633,036	\$4,550,000	\$ 83,036
FY 21/22	\$4,977,816	\$4,550,000	\$427,816
FY 22/23	\$4,693,000	\$4,550,000	\$143,000
FY 23/24	\$4,749,574	\$4,550,000	\$199,574
FY 24/25	\$4,564,354	\$4,550,000	\$ 14,354
FY 25/26	\$4,047,431	\$4,550,000	(\$502,569)



# **DEBT SERVICE FOR BUDGET YEAR: \$4,705,756**

## **Debt Service Breakdown:**



\$4,550,000 will be funded by the General Fund and \$155,757 from the Debt Service Fund.



## **- Unknown -**

The possible need for any local reserves to be allocated to address issues associated with crumbling foundations.

A future possible consideration could be a local gap financing provided that State, Federal and insurance proceeds are allocated to address the majority of dollars required for individual homeowners remediation.



## Budget Schedule: Important Upcoming Dates

February 16, 2017 (Thursday)	Capital Budget Public Hearing – Council Chambers – 7:30 p.m.
February 28, 2017 (Tuesday)	Manager convenes joint meeting between Council and Board of Education (by April 11 per Charter requirement) – Council Chambers – 7:00 p.m.
March 8, 2017 (Wednesday)	Manager submits Budget to Council (by March 27 per Charter requirement)
March 9, 2017 (Thursday)	Advertise Public Hearing
March 9, 2017 (Thursday)	Mgr. discusses Budget w/Council – Council Chambers – 7:00 p.m.
March 15, 2017 (Wednesday)	Mgr. discusses Budget w/Council – Council Chambers – 7:00 p.m.
March 16, 2017 (Thursday)	Mgr. discusses Budget w/Council – Council Chambers – 7:00 p.m.
March 23, 2017 (Thursday)	<b><u>PUBLIC HEARING</u></b> on Manager's Recommended Budget: Board of Education, Town Government, Capital Improvement Plan – Tolland High School Auditorium – 7:30 p.m.
March 30, 2017 (Thursday)	Council Discussion – Budget finalized – Council Chambers – 7:30 p.m.
April 6, 2017 (Thursday)	Advertise Budget
April 20, 2017 (Thursday)	<b><u>ANNUAL BUDGET PRESENTATION MEETING</u></b> – Tolland High School Auditorium – 7:30 p.m.
April 24, 2017 (Monday)	Budget Presentation – Senior Center – 12:30 p.m.
May 2, 2017 (Tuesday)	Annual Budget Referendum
By May 9, 2017 (Tuesday)	Council to establish mill rate upon referendum adoption

