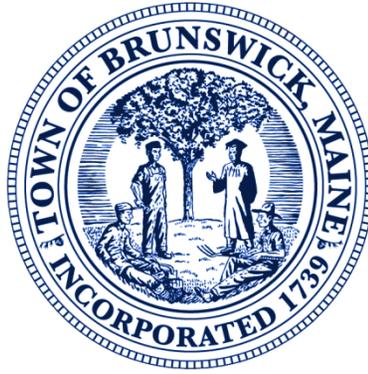


Town of Brunswick

Capital Improvement Program Fiscal years ending 2018-2022



Manager's Proposed CIP
Delivered to Town Council April 18, 2017

General Overview

Capital Improvement Program

CIP – A multi-year financial plan that identifies capital projects and acquisitions, along with funding sources and operational costs.

- Sets priorities
- Promotes coordination of efforts
- Guides debt financing decisions
- Links other plans with the budget process
- **Does NOT authorize funding**

Projects included in CIP

Capital Project or Acquisition

- Minimum \$100,000 cost; 5 year life

Annual Programs/Reserves

- Vehicle Replacement
- Work Programs

Operating Costs

- \$25,000 or greater

Project Classifications

-  Recommended for Funding
-  Under Development
-  Not Recommended
-  Non-Town Projects

CIP Policy Page 2
CIP Pages 2-5

Brunswick's CIP Document

Capital Projects – Pages 1- 5

- Summary By Funding Source
- By Classification & Category

Funding Analysis – Pages 6 - 13

- Debt Service
- Impact on Tax Rates

Individual Project Summaries – Pages 17-82



Summary of Projects

**Town of Brunswick, Maine
Capital Improvement Program
Manager's Proposed CIP - April 18, 2017
For Fiscal Years Ending 2018-2022**

PROJECTS	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	TOTALS
Facilities - Improvements	\$ 1,757,664	\$ 1,259,562	\$ 28,000,000	\$ -	\$ -	\$ -	\$ 29,259,562
Infrastructure	2,160,979	-	20,000	300,000	-	-	320,000
Capital Acquisitions / Other	-	730,207	-	350,000	-	-	1,080,207
Municipal vehicle replacement	559,828	662,703	675,957	689,476	703,266	717,331	3,448,733
Municipal annual work programs	700,000	800,000	1,020,000	1,025,000	1,025,000	1,250,000	5,120,000
School vehicle replacement	185,000	180,000	185,400	190,962	196,691	202,592	955,645
School annual work programs	338,534	307,450	395,420	379,710	230,050	64,775	1,377,405
TOTALS	\$ 5,702,005	\$ 3,939,922	\$ 30,296,777	\$ 2,935,148	\$ 2,155,007	\$ 2,234,698	\$ 41,561,552
FUNDING SOURCES							
General Obligation Bonds	\$ 200,000	\$ 650,000	\$ 28,000,000	\$ 500,000	\$ -	\$ -	\$ 29,150,000
School Revolving Renovation Funds	934,729	-	-	-	-	-	-
General Fund Balance	40,000	480,207	20,000	150,000	-	-	650,207
Municipal Revenues - Annual Prog	1,259,828	1,462,703	1,695,957	1,714,476	1,728,266	1,967,331	8,568,733
School Revenues	523,534	487,450	580,820	570,672	426,741	267,367	2,333,050
State of Maine	902,796	-	-	-	-	-	-
Impact Fees	1,242,005	-	-	-	-	-	-
Reserves	76,278	-	-	-	-	-	-
Other	522,835	859,562	-	-	-	-	859,562
TOTALS	\$ 5,702,005	\$ 3,939,922	\$ 30,296,777	\$ 2,935,148	\$ 2,155,007	\$ 2,234,698	\$ 41,561,552

I. Recommended for Funding



	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL	FUNDING
I. PROJECTS RECOMMENDED FOR FUNDING								
<i>Capital Improvements</i>								
Facilities								
Town Hall Exterior Trim	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	- G.O. Bonds
Coffin School SRRF projects	318,829	-	-	-	-	-	-	- SRRF Bonds
Coffin School SRRF projects	198,835	-	-	-	-	-	-	- DOE grant
Junior HS SRRF projects	615,900	-	-	-	-	-	-	- SRRF Bonds
Junior HS SRRF projects	384,100	-	-	-	-	-	-	- DOE grant
Rec Ctr - Indoor Space Plannin	20,000	-	-	-	-	-	-	- Gen. Fund Bal.
Vehicle Wash Bay Planning	20,000	-	-	-	-	-	-	- Gen. Fund Bal.
17 BHS Track Replacement	-	859,562	-	-	-	-	859,562	Other
19 Elementary School Constructio	-	-	28,000,000	-	-	-	28,000,000	G.O. Bonds
21 Facilities Reserve - initial fundi	-	400,000	-	-	-	-	400,000	Gen. Fund Bal.
Total Facilities	1,757,664	1,259,562	28,000,000	-	-	-	29,259,562	
Infrastructure								
Union Street Storm Drain	1,242,005	-	-	-	-	-	-	- TIF Revenues
Union Street Storm Drain	522,835	-	-	-	-	-	-	- Water/Sewer
Union Street Storm Drain	319,861	-	-	-	-	-	-	- M.D.O.T
Union Street Storm Drain	76,278	-	-	-	-	-	-	- Reserves
23 Range Road Culvert	-	-	20,000	-	-	-	20,000	Gen. Fund Bal.
23 Range Road Culvert	-	-	-	150,000	-	-	150,000	G.O. Bonds
25 Rec Center Front Parking Lot	-	-	-	150,000	-	-	150,000	Gen. Fund Bal.
Total Infrastructure	2,160,979	-	20,000	300,000	-	-	320,000	
Capital Acquisitions / Other								
27 Engine 2 Replacement	-	650,000	-	-	-	-	650,000	G.O. Bonds
29 Tank 2 Replacement	-	-	-	350,000	-	-	350,000	G.O. Bonds
31 Police Cruisers outfit project	-	80,207	-	-	-	-	80,207	Gen. Fund Bal.
Total Capital Acquisitions/Other	-	730,207	-	350,000	-	-	1,080,207	
Total Capital Improvements	\$3,918,643	\$ 1,989,769	\$ 28,020,000	\$ 650,000	\$ -	\$ -	\$30,659,769	

Vehicles & Work Programs



	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL	FUNDING
I. PROJECTS RECOMMENDED FOR FUNDING								
<i>Annual Programs/Reserves</i>								
Municipal Vehicle Replacement								
Fire Vehicle Replacement	\$ 91,121	\$ 108,243	\$ 110,408	\$ 112,616	\$ 114,868	\$ 117,166	\$ 563,301	Munic. Rev.
Police Vehicle Replacement	130,000	152,000	155,040	158,141	161,304	164,530	791,014	Munic. Rev.
PW Vehicle Replacement	290,647	347,460	354,409	361,497	368,727	376,102	1,808,196	Munic. Rev.
P&R Vehicle Replacement	<u>48,060</u>	<u>55,000</u>	<u>56,100</u>	<u>57,222</u>	<u>58,366</u>	<u>59,534</u>	<u>286,222</u>	Munic. Rev.
Total vehicle replacement	559,828	662,703	675,957	689,476	703,266	717,331	3,448,733	
Municipal Annual Work Programs								
PW - Sidewalks	35,000	50,000	50,000	50,000	50,000	50,000	250,000	Munic. Rev.
PW - Street Resurfacing	665,000	750,000	750,000	775,000	775,000	800,000	3,850,000	Munic. Rev.
Kimberley Circle Reconstr.	-	-	220,000	-	-	-	220,000	Munic. Rev.
Oak St Reconstr.	-	-	-	200,000	-	-	200,000	Munic. Rev.
Bank Street Reconstr.	-	-	-	-	50,000	-	50,000	Munic. Rev.
Bowdoin/Whittier/Berry Reconstr.	-	-	-	-	150,000	-	150,000	Munic. Rev.
Bowker St	-	-	-	-	-	200,000	200,000	Munic. Rev.
Brackett Rd	-	-	-	-	-	200,000	200,000	Munic. Rev.
Total annual work programs	700,000	800,000	1,020,000	1,025,000	1,025,000	1,250,000	5,120,000	
Total Municipal Programs/Reserve	\$1,259,828	\$ 1,462,703	\$ 1,695,957	\$ 1,714,476	\$1,728,266	\$1,967,331	\$ 8,568,733	

II. Projects in Development



	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL	FUNDING
II. PROJECTS IN DEVELOPMENT								
<i>Capital Improvements</i>								
Facilities								
33 Junior High School Repairs	\$ -	\$ -	\$ 5,711,088	\$ -	\$ -	\$ -	\$ 5,711,088	G.O. Bonds
35 People Plus Expansion	-	-	1,146,000	-	-	-	1,146,000	Other
37 Vehicle Wash Bay	-	-	255,000	-	-	-	255,000	G.O. Bonds
39 Town Hall HVAC	-	-	-	400,000	-	-	400,000	G.O. Bonds
41 Rec Center Roof	-	-	-	185,000	-	-	185,000	G.O. Bonds
43 Tennis Courts	-	-	-	-	208,060	-	208,060	G.O. Bonds
45 Central Fire Station	-	-	-	-	7,500,000	-	7,500,000	G.O. Bonds
47 Landfill Closure	-	-	-	-	-	2,880,000	2,880,000	G.O. Bonds
47 Landfill Closure	-	-	-	-	-	4,000,000	4,000,000	Reserves
49 Aquatics Facility	-	-	-	-	1,487,520	-	1,487,520	G.O. Bonds
49 Aquatics Facility	-	-	-	-	1,500,000	-	1,500,000	Other
51 Land for Brunswick's Future	-	50,000	50,000	50,000	50,000	50,000	250,000	Gen. Fund Bal.
53 East Brunswick Fields	-	-	-	250,000	250,000	-	500,000	G.O. Bonds
Total Facilities	<u>\$ -</u>	<u>\$ 50,000</u>	<u>\$ 7,162,088</u>	<u>\$ 885,000</u>	<u>\$ 10,995,580</u>	<u>\$ 6,930,000</u>	<u>\$ 26,022,668</u>	
Infrastructure								
55 Adm Fitch-Gumet connector	\$ -	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	TIF Revenues
57 Gumet-Thomas Pt connector	-	-	-	-	1,600,000	-	1,600,000	G.O. Bonds
59 Maine St Sidewalks/Lighting	-	50,000	50,000	50,000	-	-	150,000	TIF revenues
61 BHS Egress Road	-	-	-	-	-	1,500,000	1,500,000	G.O. Bonds
63 Riverwalk	-	-	800,000	-	-	-	800,000	M.D.O.T
63 Riverwalk	-	-	200,000	-	-	-	200,000	Other
65 Androscoggin Bike Path	-	-	-	-	330,000	-	330,000	G.O. Bonds
65 Androscoggin Bike Path	-	-	-	-	110,000	-	110,000	Impact Fees
65 Androscoggin Bike Path	-	-	-	-	1,760,000	-	1,760,000	U.S. D.O.T.
67 Fitzgerald-Bike Path connection	-	-	-	-	-	37,000	37,000	Gen. Fund Bal.
67 Fitzgerald-Bike Path connection	-	-	-	-	-	148,000	148,000	U.S. D.O.T.
Total Infrastructure	<u>\$ -</u>	<u>\$ 1,550,000</u>	<u>\$ 1,050,000</u>	<u>\$ 50,000</u>	<u>\$ 3,800,000</u>	<u>\$ 1,685,000</u>	<u>\$ 8,135,000</u>	
Other Projects								
69 Town Private Dark Fiber	-	176,135	-	-	-	-	176,135	Gen. Fund Bal.
Total Other Projects	<u>\$ -</u>	<u>\$ 176,135</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 176,135</u>	
Total Projects in Development	<u>\$ -</u>	<u>\$ 1,776,135</u>	<u>\$ 8,212,088</u>	<u>\$ 935,000</u>	<u>\$ 14,795,580</u>	<u>\$ 8,615,000</u>	<u>\$ 34,333,803</u>	

III. Not Recommended



	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL	FUNDING
III. PROPOSED BY DEPARTMENTS BUT NOT RECOMMENDED								
<i>Capital Improvements</i>								
Facilities								
71 Lamb Boat Launch	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ -	\$ 120,000	I.F.W. - D.O.C.
71 Lamb Boat Launch	-	-	-	-	30,000	-	30,000	Gen. Fund Bal.
73 People Plus Parking Lot	-	-	-	100,000	-	-	100,000	Gen. Fund Bal.
75 Skate Park	-	-	-	-	-	125,000	125,000	G.O. Bonds
	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 100,000</u>	<u>\$ 150,000</u>	<u>\$ 125,000</u>	<u>\$ 375,000</u>	

IV. Non-Town Funded Projects



	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL	FUNDING
IV. NON-TOWN PROJECTS								
Crosswalk lights (4)	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000	M.D.O.T.
Old Bath Rd culvert	-	270,000	-	-	-	-	270,000	M.D.O.T.
Route 1 Hwy preservation paving	-	819,000	-	-	-	-	819,000	M.D.O.T.
295 ramp preservation paving	-	585,000	-	-	-	-	585,000	M.D.O.T.
Route 1 bridge (Cooks Corner)	-	300,000	-	-	-	-	300,000	M.D.O.T.
Route 1/Maine St ramp	-	65,000	-	-	-	-	65,000	M.D.O.T.
Frank Wood Bridge	-	-	14,000,000	-	-	-	14,000,000	M.D.O.T.
Total Non-Town Projects	<u>\$ -</u>	<u>\$ 2,164,000</u>	<u>\$ 14,000,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 16,164,000</u>	

Funding Analysis

Debt Service
Impact on Tax Rate



Debt Structure Assumptions

Proj. No.	Bond Tier	Bond Year	Fiscal Year	Estimated Project Cost	Assumed Bond Years	Assumed Interest Rate	Projected First Year Debt Service (a)	Estimated First Yr Tax Rate Impact (b)	Estimated Total Debt Service (c)
Debt Authorized But Not Issued									
Net Debt Authorized But Not Issued				\$ -			\$ -		\$ -
Debt on Recommended Projects									
4c			2020-21	28,000,000	25	3.25%	1,752,585	4.38%	40,388,849
18			2020-21	150,000	10	2.95%	19,425	0.05%	174,338
19			2018-19	650,000	10	2.75%	82,875	0.21%	748,313
20			2020-21	350,000	10	2.95%	45,325	0.11%	406,788
Net Proposed Debt in CIP				\$ 29,150,000			\$ 1,900,210		\$ 57,215,286
Debt on Projects in Development									
101			2019-20	5,711,088	10	2.85%	733,875	1.83%	6,606,301
102			2021-22	1,600,000	15	3.15%	157,067	0.39%	2,003,200
103			2020-21	400,000	10	2.95%	51,800	0.13%	464,900
104			2020-21	185,000	10	2.95%	23,958	0.06%	215,016
105			2022-23	2,880,000	15	3.25%	285,600	0.71%	3,628,800
106			2021-22	208,060	20	3.25%	17,165	0.04%	279,060
107			2019-20	255,000	20	3.05%	20,528	0.05%	336,664
108			2021-22	7,500,000	20	3.25%	618,750	1.55%	10,059,375
109			2021-22	1,487,520	20	3.25%	122,720	0.31%	1,995,136
110			2021-22	500,000	20	3.25%	41,250	0.10%	670,625
111			2022-23	1,500,000	20	3.35%	125,250	0.31%	2,027,625
112			2021-22	330,000	20	3.25%	27,225	0.07%	442,613
				\$ 22,556,668			\$ 2,225,187		\$ 28,729,315

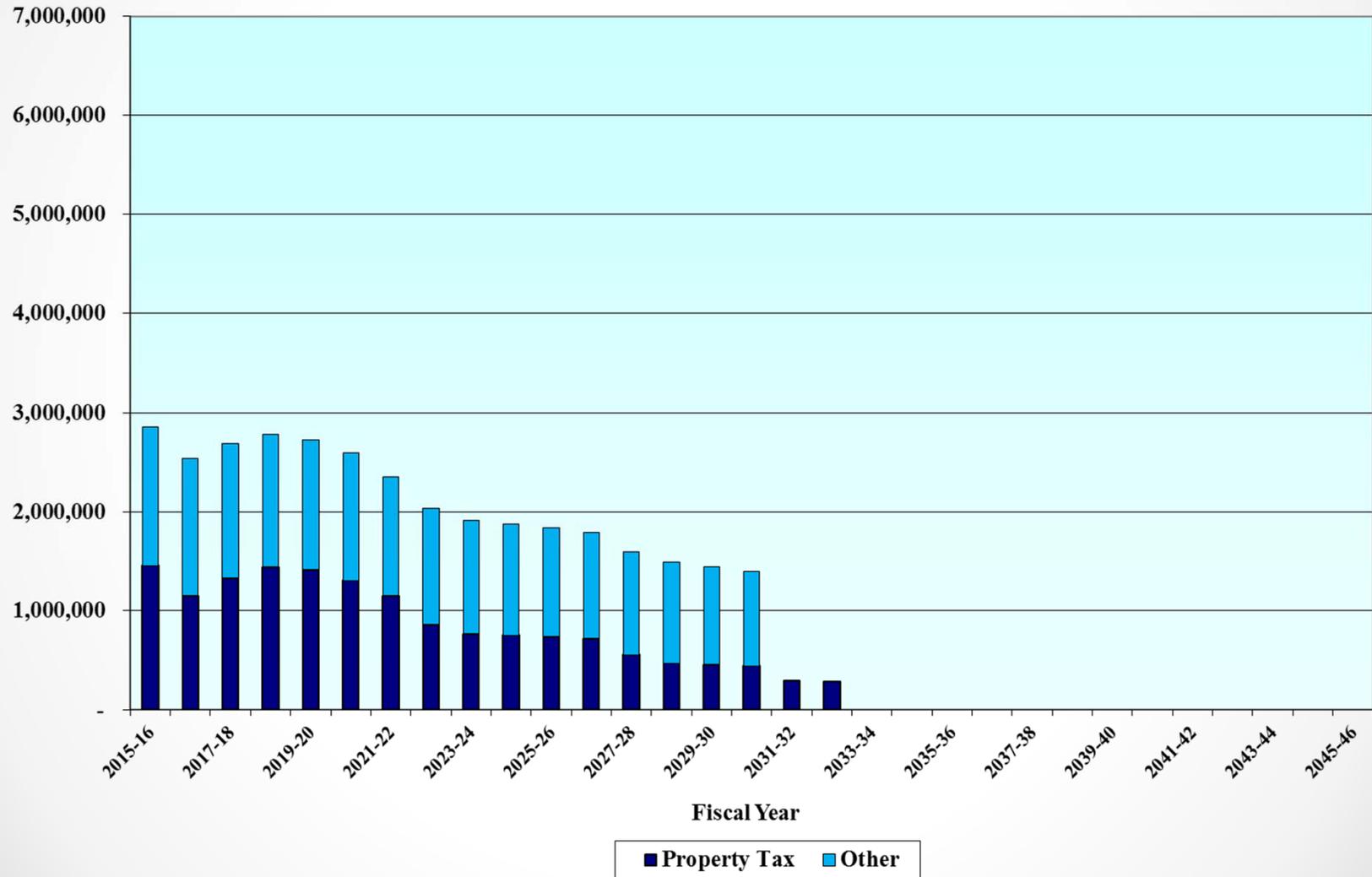
(a) The first year debt service payment is an estimate assuming level principal payments and the rates and terms shown. Actual rates and terms will be determined if and when bonds are issued.

(b) Assumes a 1% Tax Rate increase equals: **\$400,000**

(c) This is the estimated total debt service over the life of the bonds.

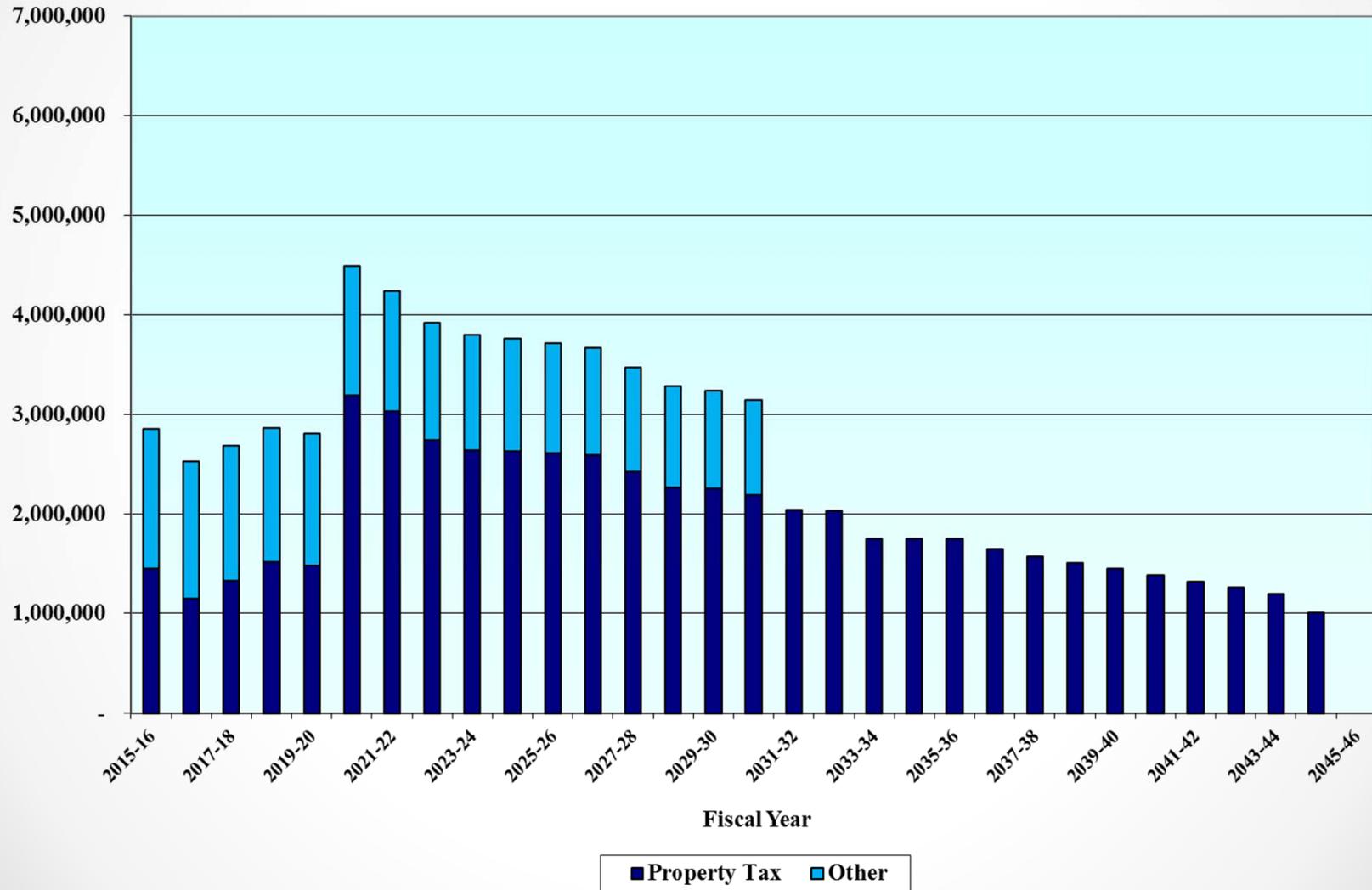
Existing Debt Service

Debt Service - Existing Debt and Authorized Debt



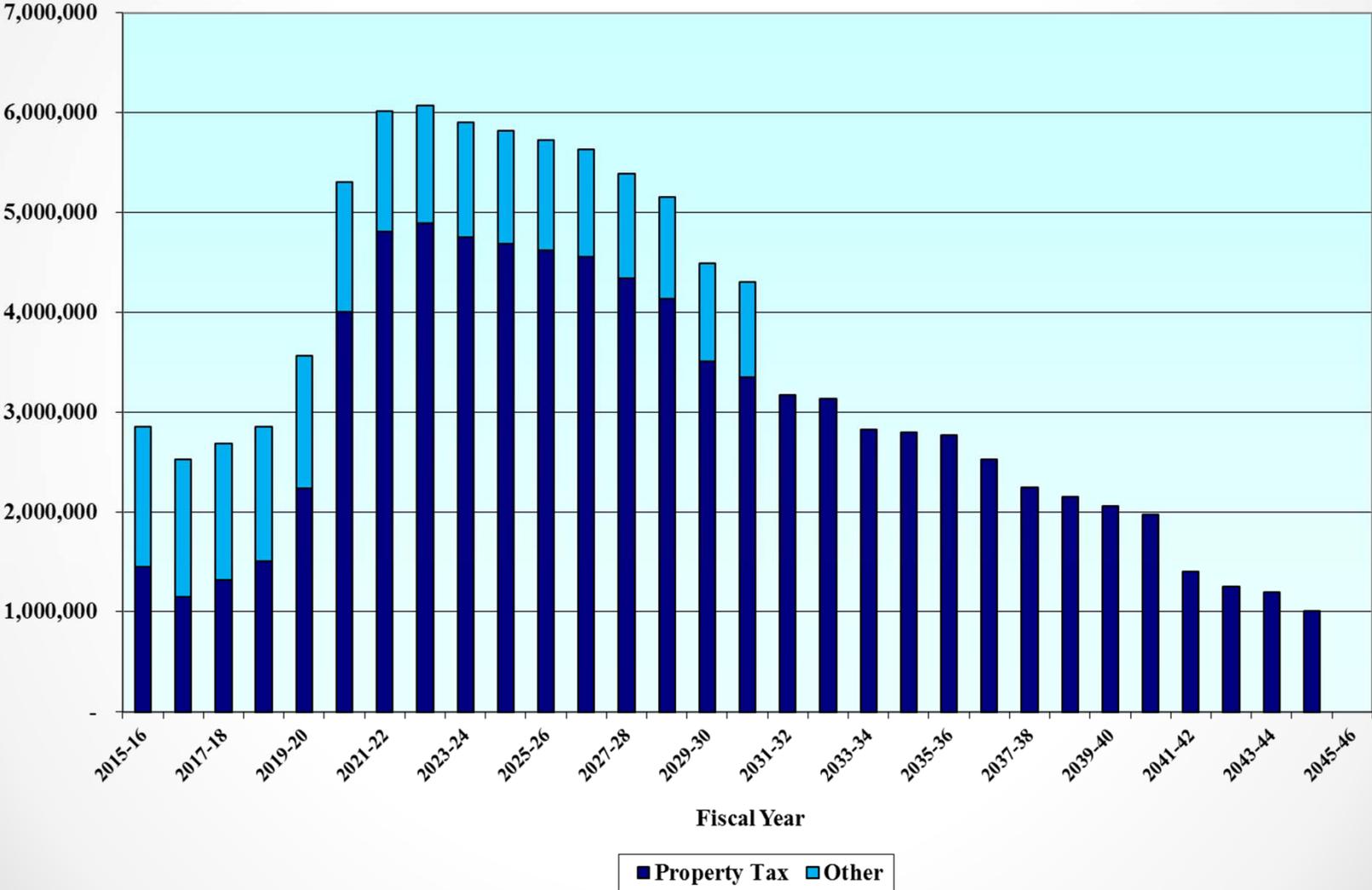
Existing and Proposed

Debt Service - Existing, Authorized, and Proposed



Existing, Proposed, and In Development

Debt Service - Existing, Authorized, Proposed and Projects in Development

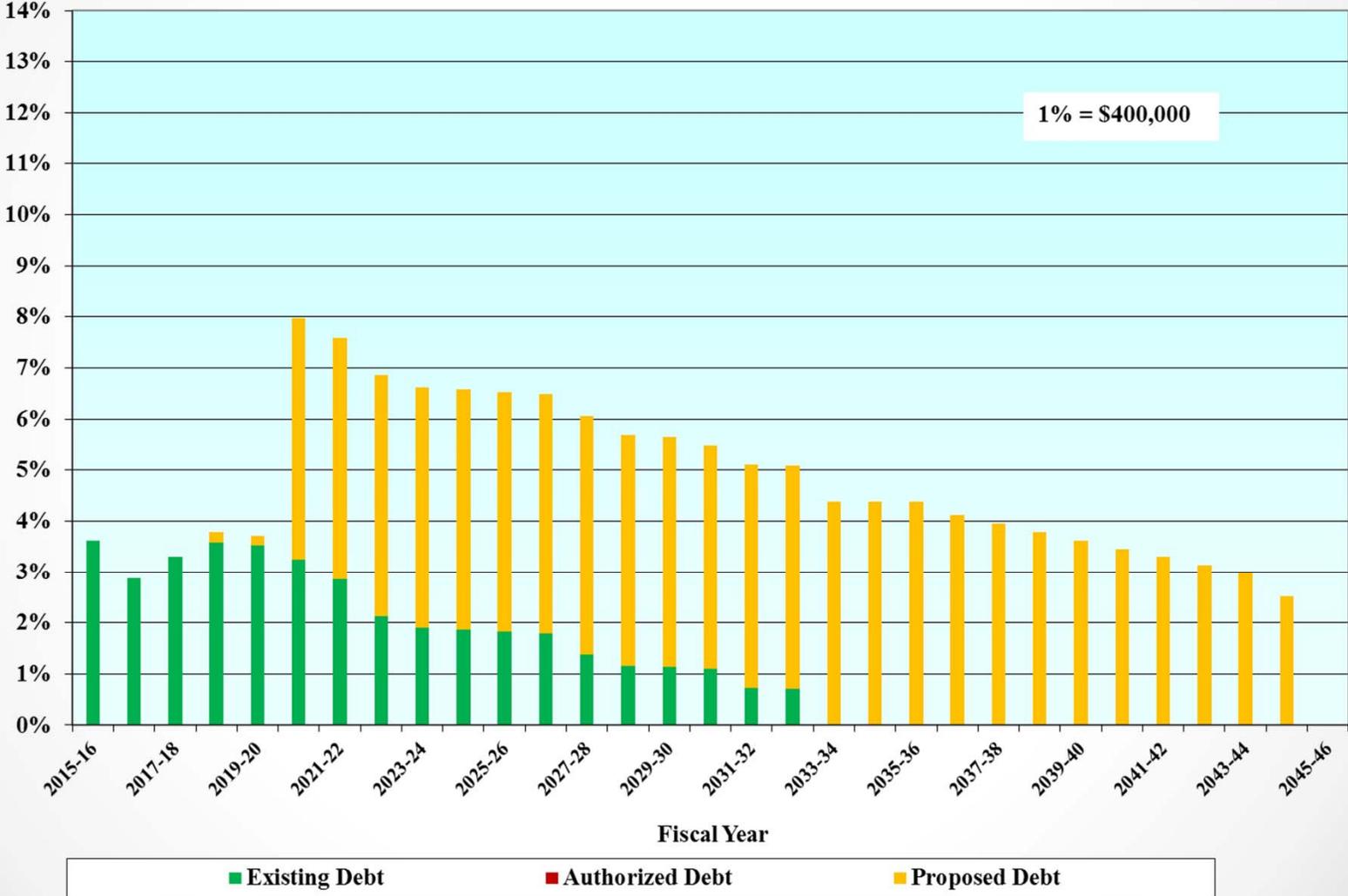


Tax Impact Summary

	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
TAX IMPACT OF RECOMMENDED PROJECTS						
Projects Financed with Debt						
Existing Debt Service						
Existing Debt Service	\$ 2,533,744	\$ 2,688,571	\$ 2,779,753	\$ 2,729,057	\$ 2,594,699	\$ 2,346,108
TIF Subsidy	(78,315)	(76,245)	(74,175)	(72,105)	(70,035)	-
School Subsidy (estimated)	(1,310,649)	(1,292,704)	(1,272,507)	(1,250,665)	(1,228,216)	(1,205,159)
Existing Debt Service - Net	1,144,781	1,319,622	1,433,071	1,406,288	1,296,448	1,140,949
New Debt Service						
Authorized But Not Issued	-	-	-	-	-	-
Proposed Debt Service	-	-	82,875	81,088	1,896,635	1,893,372
New Debt Service - Net	-	-	82,875	81,088	1,896,635	1,893,372
Existing and New Debt Service - Net	1,144,781	1,319,622	1,515,946	1,487,375	3,193,083	3,034,322
Change from Previous Year	(301,548)	174,841	196,324	(28,571)	1,705,708	(158,761)
<i>Tax Rate Impact - Debt Service</i>	-0.75%	0.44%	0.49%	-0.07%	4.26%	-0.40%
Projects Financed with other than Debt						
Non-Debt Sources						
Municipal Revenues	1,259,828	1,462,703	1,695,957	1,714,476	1,728,266	1,967,331
School Revenues	560,000	487,450	580,820	570,672	426,741	267,367
Non-Debt Projects	1,819,828	1,950,153	2,276,777	2,285,148	2,155,007	2,234,698
Change from Previous Year	195,592	130,325	326,624	8,371	(130,141)	79,691
<i>Tax Rate Impact - Non-Debt Projects</i>	0.49%	0.33%	0.82%	0.02%	-0.33%	0.20%
Projects Financed Debt and Non-Debt						
Debt and Non-Debt Projects	2,964,609	3,269,775	3,792,723	3,772,523	5,348,090	5,269,020
Change from Previous Year	(105,956)	305,166	522,948	(20,199)	1,575,566	(79,070)
<i>Tax Rate Impact - Capital Projects</i>	-0.26%	0.76%	1.31%	-0.05%	3.94%	-0.20%

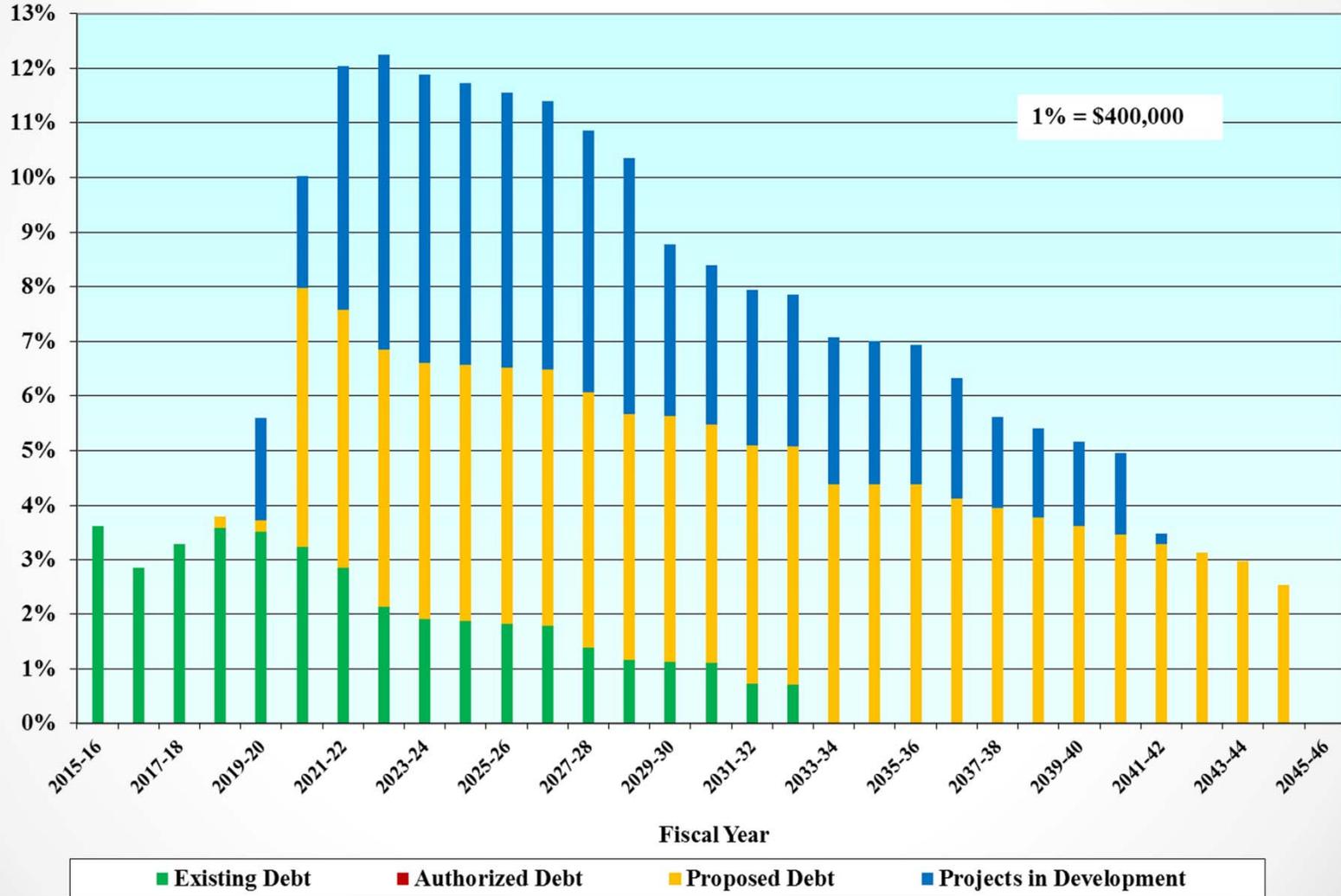
Tax Rate Impact of Debt Service

Net Debt Service Effect on Tax Rate



Including Projects in Development

**Net Debt Service Effect on Tax Rate
Including Projects in Development**



Project Detail Sheets

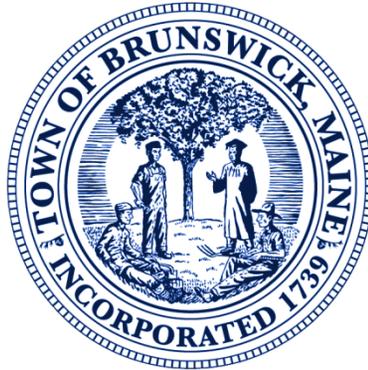
Recommended for Funding (pgs 17-32)

In Development (pgs 33-70)

Not Recommended (pgs 71-76)

Town of Brunswick

Capital Improvement Program Fiscal years ending 2018-2022



Manager's Proposed CIP

Delivered to Town Council April 18, 2017

Available on Town of Brunswick website:
www.brunswickme.org

Projects included in CIP

Capital Project or Acquisition

- Minimum \$100,000 cost; 5 year life

Annual Programs/Reserves

- Vehicle Replacement
- Work Programs

Operating Costs

- \$25,000 or greater

Recommended 2017-18 Reserves (page 3)

<i>Annual Programs/Reserves</i>	2016-17	2017-18	FUNDING
Municipal Vehicle Replacement			
Fire Vehicle Replacement	\$ 91,121	\$ 108,243	Munic. Rev.
Police Vehicle Replacement	130,000	152,000	Munic. Rev.
PW Vehicle Replacement	290,647	347,460	Munic. Rev.
P&R Vehicle Replacement	48,060	55,000	Munic. Rev.
Total vehicle replacement	559,828	662,703	
Municipal Annual Work Programs			
PW - Sidewalks	35,000	50,000	Munic. Rev.
PW - Street Resurfacing	665,000	750,000	Munic. Rev.
Kimberley Circle Reconstr.	-	-	Munic. Rev.
Oak St Reconstr.	-	-	Munic. Rev.
Bank Street Reconstr.	-	-	Munic. Rev.
Bowdoin/Whittier/Berry Reconstr.	-	-	Munic. Rev.
Bowker St	-	-	Munic. Rev.
Brackett Rd	-	-	Munic. Rev.
Total annual work programs	700,000	800,000	
Total Municipal Programs/Reserves	\$ 1,259,828	\$ 1,462,703	
School Department			
School Vehicle Replacement	185,000	180,000	School Rev.
School Annual Work Program	338,534	307,450	School Rev.
Total School Programs/Reserves	\$ 523,534	\$ 487,450	
Total Annual Programs/Reserves	\$ 1,783,362	\$ 1,950,153	

Vehicle/Equipment Reserves

Fire Department



Year	Make	Model	General Description	Date In service	Useful Life	Year To Replace	FY 2016-17	FY 2017-2018	FY 2018-2019	FY 2019-2020	FY 2020-2021	FY 2021-2022
2017	PL Custom	E-450 Gas	Ambulance-(2017 remount)	Mar-17	6	2023	97,784					
1999	Central States	American LaFrance	1500 Pumper	Apr-99	20	2018		650,000				
2011	PL Custom	E-450	Ambulance	Dec-11	6	2017		100,000				
2011	Chevy	Tahoe	Staff Vehicle	Nov-10	7	2016			40,000			
2011	Chevy	Tahoe	Staff Vehicle	Nov-10	7	2017			40,000			
2011	Chevy	Tahoe	Staff Vehicle	Nov-10	7	2018				40,000		
2008	Ford	F-450	Brush Truck	Jun-05	10	2018			55,000			
2013	PL Custom	E-450 (gas)	Ambulance	Jul-05	6	2019				120,000		
1994	Central States	Ford 8000	1500 gal Tanker/ 1250 pump	Apr-94	25	2019				350,000		
2010	Ford	F-350	4x4 Pick up w/ plow	Feb-10	10	2020					55,000	
1983	Boston Whaler		13' Boat	Jun-05								30,000
2014	Ford	F-250	Crew Cab Pick up	Dec-13	10	2023						
2006	Hackney	Spartan	Technical Rescue	Jun-05	20	2026						
2009	E-One	Cyclone	1500 Pumper	Jun-09	20	2029						
2009	E-One	Cyclone	1500 Pumper	Jun-09	20	2029						
2006	Pierce	Arrow	100 Aerial Platform	Jun-05	25	2031						
2016	PL Custom	E-450 (gas)	Ambulance	Sep-16	6	2022						
							97,784	750,000	135,000	510,000	55,000	30,000
			Less Equipment expected to be funded outside vehicle reserves				-	(650,000)	-	(350,000)	-	-
							97,784	100,000	135,000	160,000	55,000	30,000
			Amount in reserve fund	Beginning balance			19,473	12,810	32,810	20,210	(14,942)	57,403
				Additions per CIP			91,121	120,000	122,400	124,848	127,345	129,892
				Expenditures			97,784	100,000	135,000	160,000	55,000	30,000
				Ending balance			12,810	32,810	20,210	(14,942)	57,403	157,295

Vehicle/Equipment Reserves

Police Department



Car	Year	Make	Model	Use	Placed in Service	Useful Life	Cost of Vehicle Plus Necessary Equipment & Installation						
							FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	
2B13	2008	Ford	F-250	MRO/HM	2008	5	43,800					44,000	
2B14	2006	Chev	Silverado	ACO	2012	5		35,000					
2B3	2008	Chev	Impala	Chief	2009	5	35,000					40,000	
2B19	2011	Ford	Crown Vic	Detective	2010	5	35,000					40,000	
N/A			HP Engine	MRO/HM		10	7,000						
2B1	2011	Ford	Crown Vic	Commander	2010	5	35,000					40,000	
2B10	2011	Ford	Crown Vic	Detective	2010	5		36,000					
2B18	2013	Chev	Caprice PPV	SRO	2013	5		36,000					
N/A	2002	Yankee	Airboat	MRO/HM	2002	15		35,000					
N/A	2002	ONTR	Airboat Trailer	MRO/HM	2002	10		6,500					
N/A			Skiff Trailer	MRO/HM		10		5,500					
2B2	2013	Chev	Caprice PPV	Commander	2013	5			37,000				
2B12	2013	Chev	Caprice PPV	SRO	2013	5			37,000				
2B17	2013	Chev	Caprice PPV	Detective	2013	5			37,000				
2B4	2014	Chev	Caprice PPV	Patrol	2014	5			37,000				
N/A	2005	Suzuki	115 HP	MRO/HM	2008	10			15,000				
2B11	2014	Chev	Caprice PPV	Patrol	2014	5				38,000			
2B21	2014	Chev	Caprice PPV	MRO/HM	2014	5				38,000			
2B6	2015	Ford	Explorer	Patrol (Supervisor)	2015	5				38,000			
2B9	2015	Ford	Explorer	Patrol	2015	5				38,000			
2B7	2015	Ford	Explorer	Patrol	2015	5					39,000		
2B5	2016	Ford	Explorer	Patrol	2016	5					39,000		
2B8	2016	Ford	Explorer	Patrol	2016	5					39,000		
2B16	2016	Ford	Explorer	Patrol	2016	5					39,000		
N/A	2006	Carolina	19ft. Skiff	MRO/HM	2015	15						25,000	
N/A	2006	Magic	Magic Boat Trailer	MRO/HM	2008	15						8,500	
Average Amount Needed Each Year													
							\$155,800.00	\$154,000.00	\$163,000.00	\$152,000.00	\$189,500.00	\$164,000.00	
Annual Vehicle Reserve							130,000.00	152,000.00	155,040.00	158,140.80	161,303.62	164,529.69	
Trade-in allowances							17,000.00	8,000.00	8,000.00	8,000.00	8,000.00		
Vehicle Reserve Balance (Cumulative)							(5,061.27)	938.73	978.73	15,119.53	(5,076.85)	(4,547.17)	

Vehicle/Equipment Reserves

Public Works Department



Print Date: November 3, 2016

JAF, Town Engineer, BPWD

Year	Make	Model	General Vehicle Description/Use	FY 2017 -2018	FY 2018 -2019	FY 2019 -2020	FY 2020- 2021	FY 2021- 2022
1992	Morbark	E-Z 20/36	Wood Chipper	\$ 39,000	-	-	-	-
1993	Ing-Rand	P185	Towed 185 CFM Air Compressor	\$ 29,000	-	-	-	-
2001	John Deere	650H	LGP DOZER	\$ 208,000	-	-	-	-
2008	Chevrolet	Silverado	Extend Cab w/plow	\$ 31,000	-	-	-	-
1999	John Deere	4600	Farm Tractor	--	\$ 45,000	-	-	-
1997	Trailer		Trailer w/ Goosen Hay Baler	--	\$ 16,000	-	-	-
2007	John Deere	624J	Wheel Loader w/plow and wing	--	\$ 271,000	-	-	-
2007	Ford	F-350, Super Duty	One Ton Dump Truck w/plow	--	\$ 55,000	-	-	-
2001	Freightliner		Tandem Axle Dump Truck Plow/Wing, \$	--	--	\$ 188,000	-	-
2006	Sterling	SL8500	Single Axle Dump W/ Rev. Plow/Wing &	--	--	\$ 175,000	-	-
1995	Custom	Flatbed	Trailer for Pavement Roller, #20	--	--	--	\$ 10,000	-
2008	Ford	F-350 Super Duty	Stake Body Pickup w/Liftgate	--	--	--	\$ 40,000	-
2005	John Deere	772D	Motor Grader	--	--	--	\$ 391,000	-
2005	John Deere	328	Skid Steer Loader	--	--	--	--	\$ 61,000
2007	GMC	Sierra 3500	Mechanic's Service Truck w/Tool Body/	--	--	--	--	\$ 54,000
2009	International	7500 SFA 4x2	Single Axle Dump Truck Plow/Wing, Sa	--	--	--	--	\$ 198,000
Proposed Total Annual Equipment Replacement Cost:				\$ 308,000	\$ 387,000	\$ 363,000	\$ 441,415	\$ 312,197
CIP Budget for PWD Equipment Reserve (Increases at 2% per year):				\$ 347,460	\$ 354,410	\$ 361,498	\$ 368,728	\$ 376,103
Estimate Fund Balance 6/30/2016:				\$ 17,559	\$ 46,825	\$ 14,235	\$ (59,954)	\$ 3,951

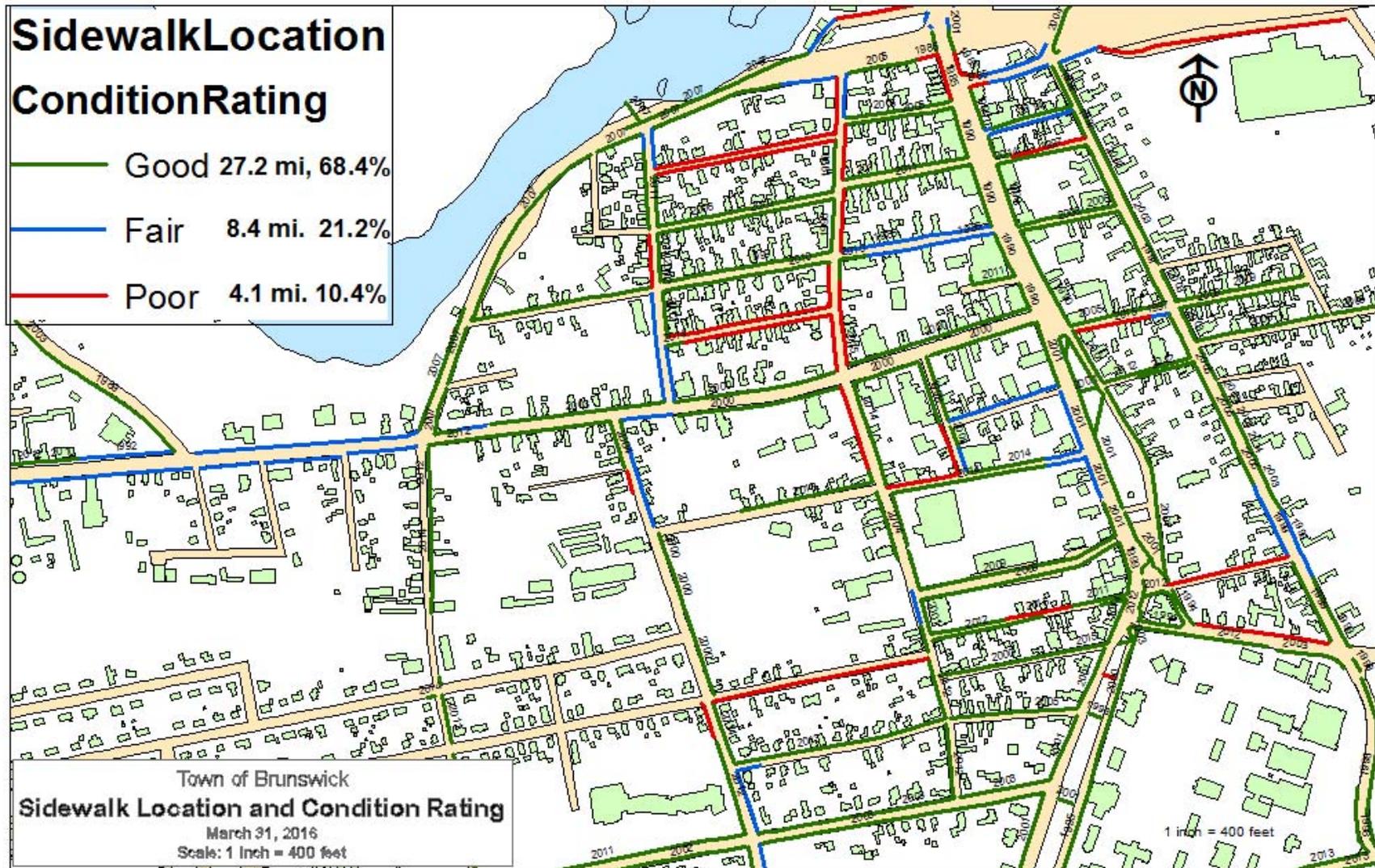
Vehicle/Equipment Reserves

Parks & Recreation Department



Year	Make	Model	General Vehicle Description/Use	Useful Life (yrs)	Year to Replace	FY 2016-2017	FY2017-2018	FY 2018-2019	FY 2019-2020	FY 2020-2021	FY 2021-2022
1993	Kromer	B100	Infield groomer	24	2017	16,000					
1995	Deere	F935	Riding mower w/vacuum system	22	2017	26,000					
2004	Ford	Crown Victoria	parks crew transport	13	2017	5,000					
	Bobcat	Landscape Rake 5B	Attachment used for gravel trail maint	15		7,900					
1993	Yamaha	VT480	Snowmobile (used)	25	2018		3,500				
2008	Chevrolet	Impala	Pks Foreman transport	10	2018		5,000				
2009	GMC	1/2 ton	Parks work truck; plow	9	2018		37,000				
	Bobcat	40FM Flail Cutter	boom mounted flail cutter	15			12,250				
2010	GMC	3/4 ton	Parks work truck; plow	9	2019			40,000			
1996	Deere	GS30	Walk behind mower	22	2018			4,400			
1998	Deere		Walk behind mower	21	2019				4,400		
2001	Deere	4300	Loader w/snowblower, cab, broom	19	2020				42,000		
			platform scissor lift for Rec Center	20					24,000		
2006	Deere	1435	Riding mower 24HP	15	2021					21,000	
2007	Toro	Workman 2110	Utility cart, infield groomer	14	2021					18,000	
2000	North		16' trailer	21	2021					3,400	
			32" width ride-on floor scrubber for Rec	15						19,500	42,000
Totals						54,900	57,750	44,400	70,400	61,900	42,000
Amount in reserve fund						9,598	2,758	8	11,708	(1,470)	(5,003)
						48,060	55,000	56,100	57,222	58,366	59,534
						54,900	57,750	44,400	70,400	61,900	42,000
						2,758	8	11,708	(1,470)	(5,003)	12,530

Annual Sidewalk Work

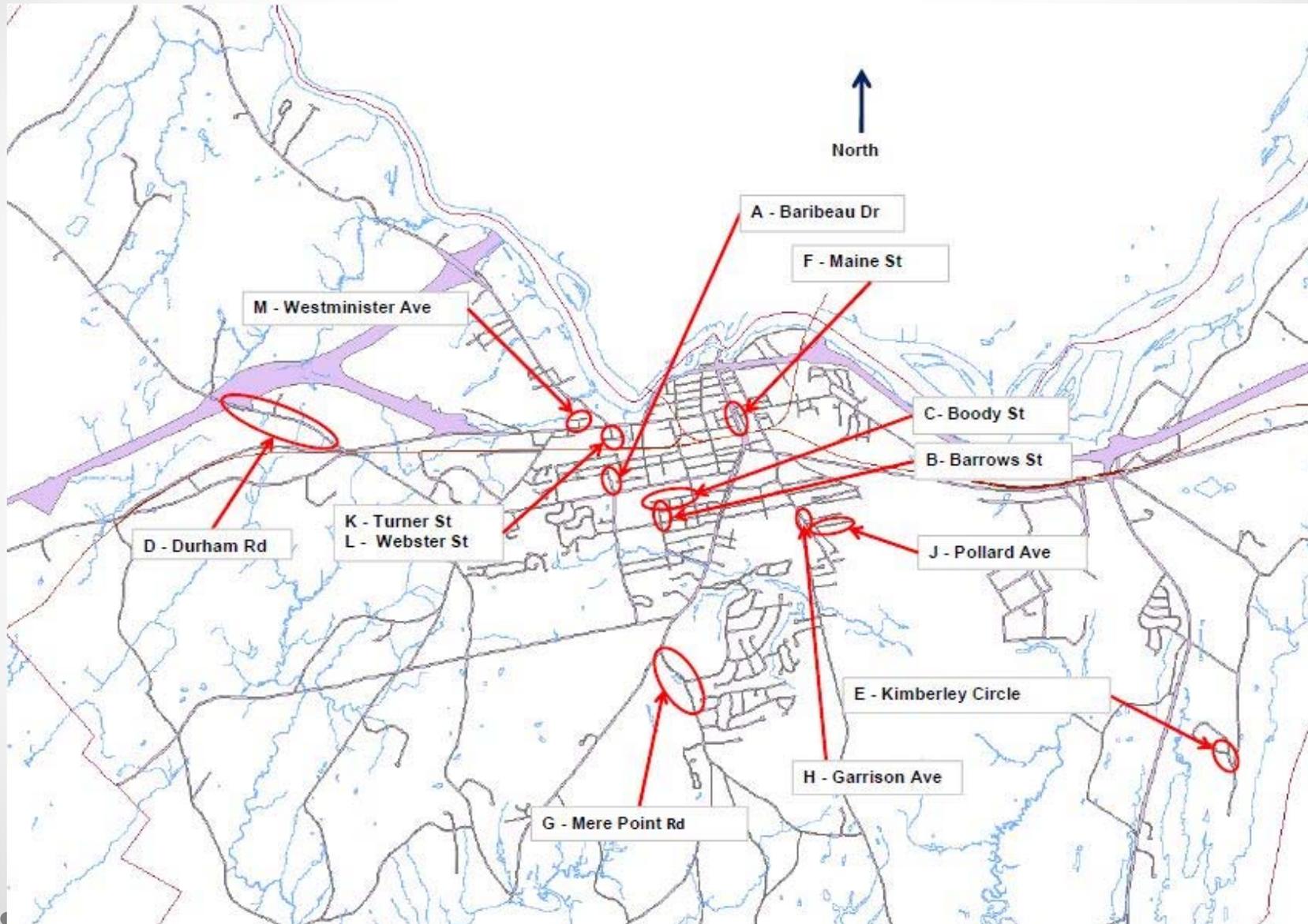


Street Resurfacing Program

Proposed Streets for 2017-18:

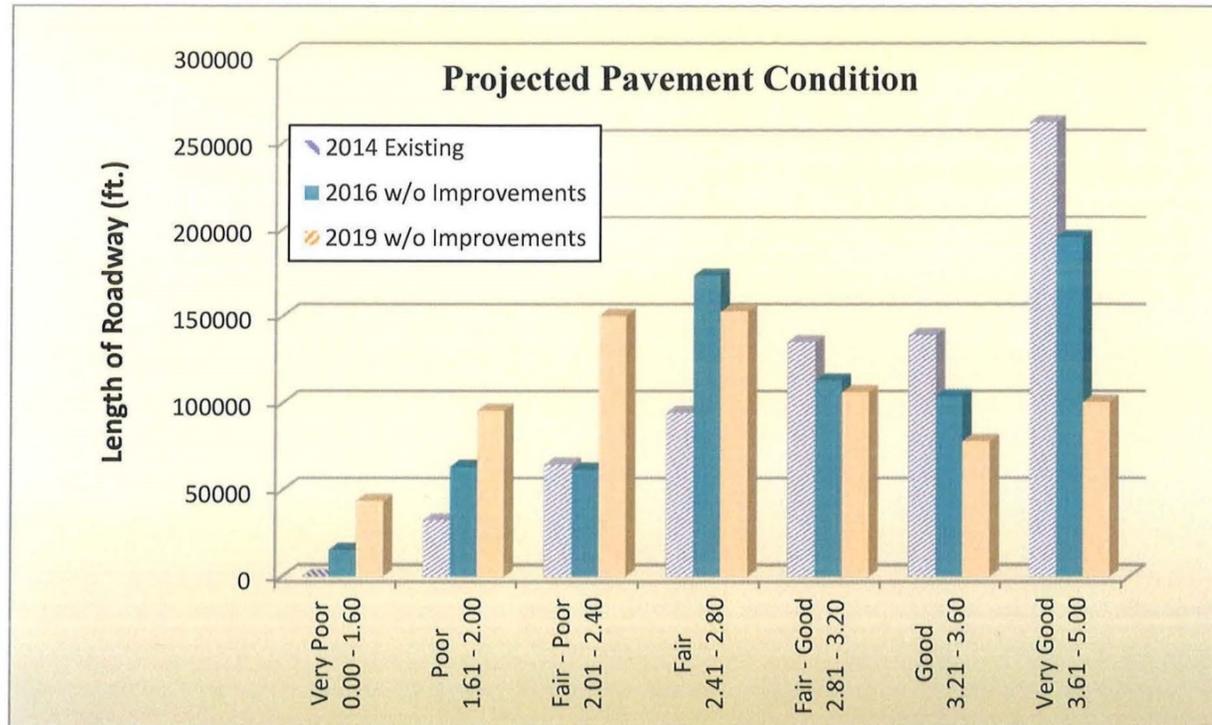
Street	Location	Length (l.f.)	Est Cost
Baribeau Drive	McKeen St to Hennessey Ave	980	\$ 37,000
Barrows Street	Columbia Ave to Boody St	740	29,000
Boody Street	Spring St to Dead End	1,410	50,000
Durham Road	Perreault Way to I-295	3,420	153,000
Kimberley Circle	From Woodward Pt Rd, 950' (left at Y fork)	950	62,000
Maine Street	Pleasant St to RR tracks	1,160	152,000
Mere Point Road	Maquoit Rd to Sandhill Dr	3,800	95,000
Garrison Street	Harpswell Rd to Pollard Ave	550	20,000
Pollard Avenue	Garrison St to Dead End	1,950	47,000
Turner Street	All	690	30,000
Webster Street	All	420	15,000
Westminster Street	All	830	25,000
Sandhill Drive	All	1,270	35,000
		18,170	\$ 750,000
		3.44	miles

Street Resurfacing Program Proposed Streets for 2017-18:



MTR Pavement Study, Nov. 2014

Projected Future Conditions, without any improvements



As can be seen in the table above, the good ranges will lose significant mileage while the poor ranges will gain significant mileage if no improvements are made to the system.

To fully achieve Brunswick's goal of eliminating the existing poor mileage as well as preventing any roads from deteriorating to poor condition, 38,500 feet of fair to good roadways should be overlaid and 9,706 to 19,412 feet of poor roadways should be rehabbed or reconstructed per year.

38,500 feet = 7.29 miles

Town Road Paving History 2006 - 2016

By: JAF, Brunswick Public Works Dept

Print Date: November 3, 2016

<i>Year</i>	<i>Resurfacing Length Paved</i>	<i>MDOT/Other Length Paved</i>	<i>CIP Length Paved</i>	<i>Total Length Paved</i>
2006	5.12 mi.	0.81 mi.	1.23 mi.	7.16 mi.
2007	4.10 mi.	0.89 mi.	0.66 mi.	5.65 mi.
2008	2.66 mi.	0.00 mi.	0.00 mi.	2.66 mi.
2009	3.54 mi.	0.00 mi.	0.42 mi.	3.96 mi.
2010	4.43 mi.	0.13 mi.	3.07 mi.	7.63 mi.
2011	2.29 mi.	2.14 mi.	0.73 mi.	5.17 mi.
2012	3.50 mi.	0.83 mi.	0.17 mi.	4.50 mi.
2013	2.90 mi.	0.00 mi.	0.69 mi.	3.59 mi.
2014	2.90 mi.	0.13 mi.	0.13 mi.	3.15 mi.
2015	4.18 mi.	0.00 mi.	0.67 mi.	4.86 mi.
2016	2.51 mi.	1.52 mi.	0.00 mi.	4.03 mi.
11 Year Total	38.13 mi.	6.45 mi.	7.77 mi.	52.35 mi.
Annual Average	3.47 mi.	0.59 mi.	0.71 mi.	4.76 mi.

Road Reconstruction – 5 Year Plan

Town of Brunswick

Proposed Road Reconstruction 5 Year Plan: FY 2017-2022

Prepared by: John Foster, Town Eng/Public Works Director

Print Date: Nov 3, 2016

Street	From	To	Length (ft)	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
<i>Kimberley Cir</i>	All	All	3,270	\$ 220,000	\$ -	\$ -	\$ -	\$ -
<i>Oak St</i>	Union St	Cushing St	904	\$ -	\$ 200,000	\$ -	\$ -	\$ -
<i>Bank St</i>	Maine St	Federal St	482	\$ -	\$ -	\$ 50,000	\$ -	\$ -
<i>Berry St</i>	All		480	\$ -	\$ -	\$ 30,000	\$ -	\$ -
<i>Bowdoin St</i>	All		740	\$ -	\$ -	\$ 55,000	\$ -	\$ -
<i>Whittier St</i>	All	190'E Maine St	695	\$ -	\$ -	\$ 65,000	\$ -	\$ -
<i>Bowker St</i>	Harpwell Rd	Pine St	1,550	\$ -	\$ -	\$ -	\$ 200,000	\$ -
<i>Brackett Rd</i>	Durham Rd	Dead End	4,505	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Total Cost Per Year				\$ 220,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Total Length of Road Work:			3,270 ft	904 ft	2,397 ft	1,550 ft	4,505 ft	
Cost Per Foot of Road Length			\$ 67.28 /ft.	\$ 221.24 /ft.	\$ 83.44 /ft.	\$ 129.03 /ft.	\$ 44.40 /ft.	
Cost Per Square Foot of Road			\$ 2.80 /sf	\$ 11.06 /sf	\$ 4.17 /sf	\$ 5.61 /sf	\$ 1.85 /sf	

Recommended 2017-18 Projects (Page 2)

	2016-17	2017-18	FUNDING
I. PROJECTS RECOMMENDED FOR FUNDING			
<i>Capital Improvements</i>			
Facilities			
Town Hall Exterior Trim	\$ 200,000	\$ -	G.O. Bonds
Coffin School SRRF projects	318,829	-	SRRF Bonds
Coffin School SRRF projects	198,835	-	DOE grant
Junior HS SRRF projects	615,900	-	SRRF Bonds
Junior HS SRRF projects	384,100	-	DOE grant
Rec Ctr - Indoor Space Planning	20,000	-	Gen. Fund Bal.
Vehicle Wash Bay Planning	20,000	-	Gen. Fund Bal.
17 BHS Track Replacement	-	859,562	Other
19 Elementary School Construction	-	-	G.O. Bonds
21 Facilities Reserve - initial funding	-	400,000	Gen. Fund Bal.
Total Facilities	1,757,664	1,259,562	
Infrastructure			
Union Street Storm Drain	1,242,005	-	TIF Revenues
Union Street Storm Drain	522,835	-	Water/Sewer
Union Street Storm Drain	319,861	-	M.D.O.T
Union Street Storm Drain	76,278	-	Reserves
23 Range Road Culvert	-	-	Gen. Fund Bal.
23 Range Road Culvert	-	-	G.O. Bonds
25 Rec Center Front Parking Lot	-	-	Gen. Fund Bal.
Total Infrastructure	2,160,979	-	
Capital Acquisitions / Other			
27 Engine 2 Replacement	-	650,000	G.O. Bonds
29 Tank 2 Replacement	-	-	G.O. Bonds
31 Police Cruisers outfit project	-	80,207	Gen. Fund Bal.
Total Capital Acquisitions/Other	-	730,207	
Total Capital Improvements	\$ 3,918,643	\$ 1,989,769	

Facilities Reserve Fund

Building	Category	Project	2017-18	2018-19	2019-20	2020-21	2021-22	5-year total
Central Fire	Structural	Parapet Wall repair	60,000					60,000
Central Fire	Exterior	Repoint/repair Hose Tower	15,000					15,000
Central Fire	Structural	Apparatus floor repair		40,000				40,000
Central Fire	Structural	Roof Replacement				55,000		55,000
Curtis Mem Library	Equipment	HVAC Controls			70,000			70,000
Curtis Mem Library	Interior	Carpet Second Floor		100,000				100,000
Curtis Mem Library	Interior	Carpet First Floor		58,000				58,000
Curtis Mem Library	Interior	Carpet - moving books		44,620				44,620
Emerson Station	Exterior	Exterior Paint/Trim	23,000					23,000
People Plus	Structural	Roof Maintain - sections 4, 4a, 4b & 5			13,000			13,000
People Plus	Structural	Roof Replacement - sections 1 & 2				55,000		55,000
PW 9 Industry Rd	Interior	Renovations to first floor, parts room cage	96,500					96,500
PW 9 Industry Rd	Grounds	Paving rear yard	35,000					35,000
PW 9 Industry Rd	Structural	Repair concrete floor/add drainage in maintenance	17,500					17,500
PW 9 Industry Rd	Finishes	Paint exterior main garage building & OH doors	14,000					14,000
PW 9 Industry Rd	Structural	Roof Replacements - 2-bay storage bldg	7,000					7,000
PW 9 Industry Rd	Structural	Roof Replacements - PW Office/Garage			60,000			60,000
PW 9 Industry Rd	Structural	Roof Replacement - Recycle Center					25,200	25,200
Rec Center	Equipment	HVAC - HVAC system			30,000			30,000
Rec Center	Structural	Roof Restore - sections 3, 5 & 8				32,000		32,000
Town Hall	Exterior	Exterior Paint	60,000					60,000
Town Hall	Structural	Roof Restore - sections 1 & 1d	35,000					35,000
Town Hall	Structural	Roof Replacement - section 2				50,000		50,000
		Annual total:	\$ 363,000	\$ 242,620	\$ 173,000	\$ 192,000	\$ 25,200	\$ 995,820
		Proposed initial funding:	\$ 400,000	200,000	200,000	200,000	200,000	
		Estimated balance:	37,000	(5,620)	21,380	29,380	204,180	

Town-owned buildings

- **Town Hall** – 85 Union Street
- **Central Fire Station** – 21 Town Hall Place
- **Emerson Fire Station** – 284 Bath Road
- **Police Station** – 85 Pleasant Street
- **Public Works Facility** – 9&10 Industry Road
- **Recreation Center** – 220 Neptune Drive
- **People Plus Building** – 35 Union Street
- **Library Building** – 23 Pleasant Street
- **Growstown School** – Woodside Road

Central Station - Parapet Wall



Hose Tower Water Leak



Emerson Fire Station – Painting & Trim Work

Examples of how the stain is fading from the shingles



Peeling paint on sign

Bare wood



Example of rotting trim around sign



Window trim rot

There are 36 windows around the building, with varying degrees of trim rot.



Public Works Facility Improvements

<i>Item</i>	Est. Total
1. Repair concrete floor (24' x 50') in maintenance bay and add floor drainage.	\$17,500
2. Renovations to first floor for revised office layout/work flow.	\$92,000
3. Paving rear yard area (see Town Eng. Estimate and plan)	\$35,000
4. Paint exterior of main garage building and OH doors	\$14,000
5. Re-roof two bay storage building (rolled asphalt roofing)	\$7,000
6. Free standing wire cage room w/shelving for parts room in garage area	\$4,500
TOTAL:	\$170,000



Item 1. Floor Repair/Drainage



Item 5. Roof Needing Replacement

Paving of Yard at PW

Estimate of Probable Cost

Pave Gravel Yard Behind Public Works Garage

Prepared by: JAF, Town Engineer

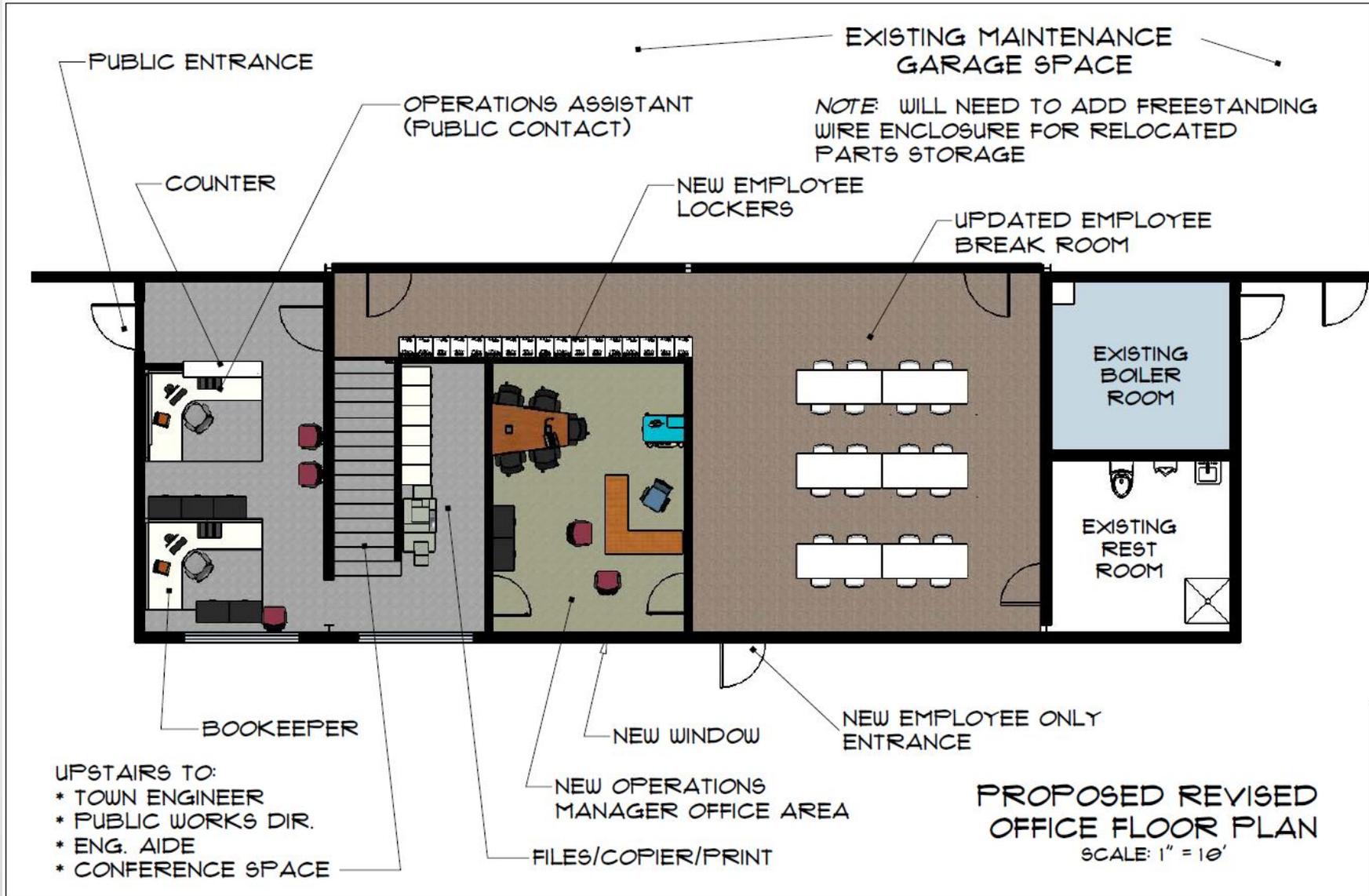
Print Date: February 22, 2017

Item	Quantity	Unit	Unit Price	Total Est. Cost
Remove/reset section chain link fence	40	l.f.	\$ 15.00	\$ 600
Fine grade area to be paved	2,178	s.y.	\$ 0.75	\$ 1,633
Saw-Cut pavement edge	80	l.f.	\$ 2.00	\$ 160
Install 2" binder course (19,600 s.f.)	263	tons	\$ 120.00	\$ 31,564
Adjust catch basin frame and grates to grade	4	ea.	\$ 250.00	\$ 1,000
Estimated Total Project Cost:				\$ 35,000

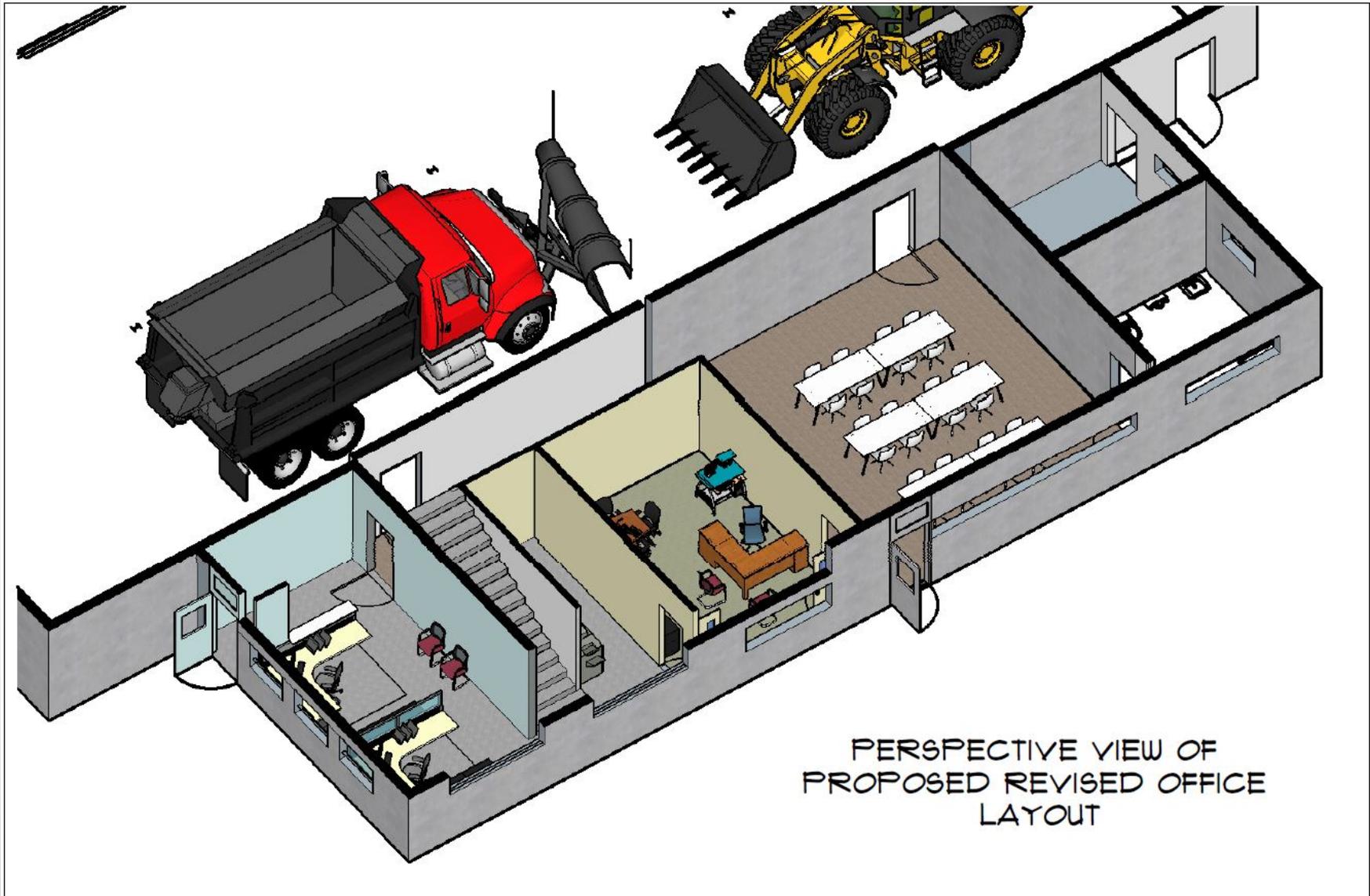
TOTAL ESTIMATED
COST TO PAVE AREA
SHADED IN YELLOW ON
THE MAP = \$35,000



Proposed PW Office Renovations



Proposed PW Office Renovations



Police Cruiser Outfit Project



\$20,000

Radio Repeaters

There are areas throughout town where officers cannot communicate with dispatch.

Two vendors have "tuned" repeater system as much as possible but problem persists.

RCM has loaned us an in-vehicle repeater, resulting in vastly improved portable ability even from inside buildings

\$60,207

Video Cameras

To be installed in all marked patrol cruisers

Can produce useful evidence in traffic cases

Will assist with protecting town from civil liability

Promotes accountability

PD Radio System

Portable Radio

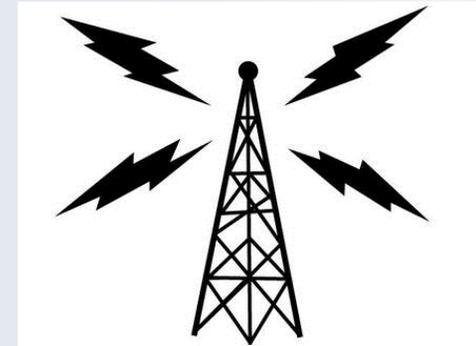


5 Watt



Microwave

“Bill’s Hill”
West Brunswick
Transmitter



Microwave



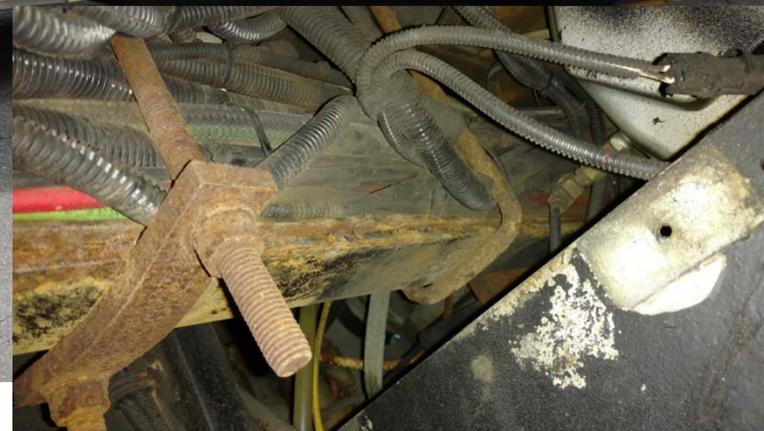
In-Car Repeater

50 Watt



Downtown Receiver

Engine 2- 1998



Corrosion on air tanks and in between double frame

CIP Calendar

- Finance Committee CIP review meetings –
October 2016 – February 2017
- Manager delivers CIP Draft 1 - March 6, 2017
- Manager delivers CIP Draft 2 – April 18, 2017
- Town Council workshop – May 4, 2017
- Public Hearing – May 11, 2017
- CIP adoption – proposed May 25, 2017