



Town of Shelburne, Vermont

CHARTERED 1763

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Memorandum

To: Selectboard, All Staff, Public

From: Ann Janda, Director of Administration, Paul Goodrich, Highway Superintendent, Peter Frankenburg, Director of Finance

Date: June 14, 2016

Re: Bonding for Road Improvements

The purpose of this agenda item is to discuss the idea of bonding for road improvements and review the data and research that has been collected. For this topic, Ann Janda spoke to Chris Dubin, Transportation Planner, at the CCRPC and Dennis Lutz, Public Works Director, in the Town of Essex. Both said that in general, most municipalities develop an ongoing schedule for paving overlays to ensure that roads are maintained properly and in good condition. If a good maintenance plan such as this has not been the practice, a town may find many of its roads are in very poor, serious, or failed condition and might want to bond for major road improvements. Shelburne has been paving well-traveled roads on a 5- to 7-year cycle, which would not keep pace with even a 15 year bond issue. (In other words, bond payments would overlap paving cycles and would not be sustainable.)

As for the current condition of Shelburne's roads, the CCRPC road inventory finds that only 7% of Shelburne's roads are in very poor condition, 2% are in serious condition, and 0% have failed.

Going forward, both Chris Dubin and Dennis Lutz advocate for developing a calculation that takes the total miles of road, the cost over overlays, and the paving cycle into account to develop the appropriate yearly budget. Both suggest that properly funding the budget is the best way to fund paving projects. Additionally Dennis Lutz suggests establishing a 2 cent property tax to create a highway capital projects fund. This would be used as a sinking fund for unanticipated repair work that doesn't fit into the planned paving cycle.

Currently, we have budgeted \$315,000 per year for paving (excluding grants). If we bonded for \$315,000, to double the number of miles paved, the associated debt payment would add \$0.003 to the tax rate or \$3 per \$100,000 assessed value. Staff at the Vermont Bond bank indicated they have financed loans for road upgrades where substantial repairs are needed (i.e. remove all pavement and rebuild the road base), but less so for paving when only an overlay is done. Doubling the amount of paving this year would result in the need to repave/overlay these same roads in 5-7 years, which is the Highway Department's recommended schedule.

Given the current condition of Shelburne's roads and the Highway Department's current repaving schedule, Staff does not recommend pursuing a bond for road improvements. However, staff would encourage the Selectboard to consider impact fees. Additionally, higher priorities for bonding have been identified, such as the Bay Road Bridge and the Pierson Library building.

SHELBURNE ROADS PAVEMENT INVENTORY

Name	Section ID	From	To	Length (ft)	Area (sq. ft)	Inspection Date	PCI	PCI Category	Sample Units
Heritage Ln	Heritag_A	SCHOOL ST	END	889	26678	6/30/2014	55	Poor	3
Farmstead Dr	Farmste_A	WEBSTER RD	END	1,255.00	37654	6/19/2014	69	Fair	3
Fieldstone Wy	Fieldst_A	FARMSTEAD DR	END	224	6714	7/16/2014	88	Good	2
Fletcher Ln	Fletche_A	SCHOOL ST	DAVIS AV	993	29790	6/30/2014	43	Poor	3
Gardenside Ln	Gardens_A	WEBSTER RD	ACORN LN	1,777.00	42653	6/19/2014	31	Very Poor	3
General Greene Rd	General_A	TICONDEROGA RD	END OF LOOP	2,154.00	51696	7/1/2014	69	Fair	4
Governors Ln	Governo_A	BARSTOW RD	END	2,978.00	74453	7/9/2014	61	Fair	4
Green Hills Dr	Green_A	CYNOSURE DR	MARSETT RD	1,285.00	38536	6/30/2014	84	Satisfactory	3
Grove Ln	Grove_A	BIRCH RD	END	517	13438	6/18/2014	20	Serious	3
Harbor Rd	Harbor_F	DEPOT RD	SHELBURNE RD	3,625.00	115995	7/1/2014	64	Fair	4
Harbor Rd	Harbor_E	BAY RD	DEPOT RD	4,895.00	112585	7/1/2014	88	Good	4
Harbor Rd	Harbor_D	PHEASANT HILL RD	BAY RD	6,495.00	149384	7/1/2014	98	Good	4
Harbor Rd	Harbor_B	TICONDEROGA RD	MORGAN DR (2ND INTERSECT)	3,892.00	97307	7/1/2014	76	Satisfactory	4
Harbor Rd	Harbor_A	T/J	TICONDEROGA RD	2,721.00	5443	7/1/2014	83	Satisfactory	4
Harbor Rd	Harbor_C	MORGAN DR (2ND INTERSECT)	PHEASANT HILL RD	2,987.00	74663	7/1/2014	76	Satisfactory	4
Logan Ct	Logan_A	MORSE DR	END	756	13603	7/1/2014	46	Poor	3
Hedgerow Dr	Hedgero_A	SHELBURNE RD	END	1,577.00	39414	6/18/2014	90	Good	3
Dorset St	Dorset_F	IRISH HILL RD	T/J	4,161.00	108191	7/9/2014	90	Good	4
Dorset St	Dorset_E	COUNTRY LN	IRISH HILL RD	3,494.00	83859	7/9/2014	51	Poor	4
Dorset St	Dorset_C	BUTTERNUT LN	BISHOP RD	3,222.00	80552	7/9/2014	51	Poor	4
Dorset St	Dorset_B	CHEESEFACTORY RD	BUTTERNUT LN	3,502.00	80541	7/9/2014	49	Poor	4
Dorset St	Dorset_A	T/J	CHEESEFACTORY RD	1,312.00	31486	7/10/2014	84	Satisfactory	3
Dorset St	Dorset_D	BISHOP RD	COUNTRY LN	3,109.00	77729	7/9/2014	60	Fair	4
Hillside Terr	Hillsid_A	MARSETT RD	END	2,329.00	48915	6/30/2014	44	Poor	4
Hullcrest Ln	HlcrestLn_A	HULLCREST RD	HEDGEROW DR	850	20409	6/18/2014	91	Good	3
Hullcrest Rd	Hlcrtrd_A	HEDGEROW DR	SHELBURNE RD	2,357.00	58918	6/18/2014	81	Satisfactory	4
Irish Hill Rd	Irish_A	THOMAS RD	SPEAR ST	3,726.00	96880	7/9/2014	87	Good	4
Irish Hill Rd	Irish_B	SPEAR ST	NORTHERN HTS DR	3,053.00	73282	7/9/2014	73	Satisfactory	4
Irish Hill Rd	Irish_C	NORTHERN HTS DR	DORSET ST	2,638.00	63305	7/9/2014	81	Satisfactory	4
John St	John_A	BACON DR	END	537	16109	6/30/2014	58	Fair	3
Juniper Rdg	Juniper_A	SHELBURNE RD	MARTINDALE RD	2,788.00	78064	6/18/2014	62	Fair	4
Kimball Terr	Kimball_A	TIMBER LN	HILLSIDE TERR	532	12239	6/30/2014	44	Poor	3
Lakeview Dr	Lakevie_A	SHELBURNE RD	END	908	23599	6/18/2014	53	Poor	3
Laplatte Cir	Laplatt_A	FALLS RD	END OF LOOP	1,477.00	33976	6/30/2014	66	Fair	3
Acorn Ln	Acorn_A	WEBSTER RD	PAVEMENT CHANGE	1,800.00	43198	6/20/2014	33	Very Poor	3
Harvest Ln	Harvest_A	GARDENSIDE LN	END	453	10869	6/19/2014	62	Fair	3
Champlain Dr	Champla_A	SHELBURNE RD	END	1,737.00	38206	6/18/2014	77	Satisfactory	3
Bacon Dr	Bacon_A	MOUNT PHILO RD	FALLS RD	1,538.00	46146	6/30/2014	61	Fair	3
Barstow Rd	Barstow_B	GOVERNORS LN	DORSET ST	3,280.00	72153	7/9/2014	78	Satisfactory	4
Barstow Rd	Barstow_A	SPEAR ST	GOVERNORS LN	1,866.00	42923	7/9/2014	82	Satisfactory	3
Bay Rd	Bay_A	HARBOR RD	SPINNAKER LN	4,148.00	103693	7/1/2014	74	Satisfactory	4
Bay Rd	Bay_B	SPINNAKER LN	BAYFIELD DR	3,077.00	70762	7/1/2014	60	Fair	4
Bay Rd	Bay_C	BAYFIELD DR	SHELBURNE RD	2,002.00	50052	7/1/2014	50	Poor	4
Bayfield Dr	Bayfiel_A	SPINNAKER LN	END	1,115.00	33440	6/18/2014	96	Good	3
Bayview Ln	Bayview_A	BAYFIELD DR	END	416	12471	6/18/2014	88	Good	3
Beach Rd	Beach_A	BOSTWICK RD	END	2,834.00	48178	6/30/2014	66	Fair	4
Beaver Creek Rd	Beaver_A	BISHOP RD	END	5,852.00	128753	7/16/2014	90	Good	4
Birch Rd	Birch_A	PINEHURST DR	PINEHURST LN	2,066.00	51655	6/18/2014	35	Very Poor	4
Bishop Rd	Bishop_B	BEAVER CREEK (2ND INTERSECT)	DORSET ST	4,098.00	102448	7/9/2014	78	Satisfactory	4
Bishop Rd	Bishop_A	SPEAR ST	BEAVER CREEK (2ND INTERSECT)	2,510.00	65248	7/9/2014	72	Satisfactory	4
Bostwick Rd	Bostwic_B	BOSTWICK FARM RD	BEACH RD	3,742.00	93547	7/1/2014	80	Satisfactory	4
Bostwick Rd	Bostwic_C	Beach Rd	Town Line	1,584.00	33264	7/2/2014	85	Satisfactory	3
Bostwick Rd	Bostwic_A	SHELBURNE RD	BOSTWICK FARM RD	6,266.00	150389	7/1/2014	80	Satisfactory	4
Falls Rd	Falls_B	MARSETT RD	THOMAS RD	2,423.00	63000	7/16/2014	55	Poor	4
Falls Rd	Falls_A	SHELBURNE RD	MARSETT RD	3,853.00	107886	7/10/2014	77	Satisfactory	4
Cedar Ridge Dr	Cedar_A	THOMPSON RD	END	1,425.00	34196	7/16/2014	70	Fair	3
Executive Dr	Executi_A	SHELBURNE RD	END	1,978.00	59327	6/18/2014	67	Fair	3
Chateaguay Rd	Chategu_A	GENERAL GREENE	HARBOR RD	604	13294	7/1/2014	64	Fair	3
Cheeseactory Rd	Cheesef_A	DORSET ST	END	2,922.00	70135	7/10/2014	77	Satisfactory	4
Chesapeake Dr	Chesape_A	WEBSTER RD	END	747	17932	6/19/2014	66	Fair	3
Church St	Church_A	SHELBURNE RD	FALLS RD	517	12918	6/30/2014	83	Satisfactory	3
Collamer Cir	CllmCir_A	SPEAR ST	SPEAR ST	2,033.00	44733	7/1/2014	67	Fair	4
Collamer Ct	CllmCt_A	COLLAMER CIR	END	349	7338	7/1/2014	71	Satisfactory	2
Crown Rd	Crown_A	BAY RD	END	197	4531	6/18/2014	87	Good	1
Davis Av	Davis_A	SCHOOL ST	FLETCHER LN	1,352.00	40559	6/30/2014	65	Fair	3
Deer Run Dr	Deer_A	LONG MEADOW DR	END	1,323.00	39682	6/19/2014	68	Fair	3
Longmeadow Dr	Longmea_A	SHELBURNE RD	END	2,679.00	80358	6/19/2014	35	Very Poor	4
Cardinal Wy	Cardina_A	THRUSH WAY	END	219	6575	7/16/2014	68	Fair	2
Tracy Ln	Tracy_A	SCHOOL ST	END	2,076.00	62288	6/30/2014	48	Poor	4
Spear St	Spear_F	WESTVIEW DR	END	2,892.00	69406	7/10/2014	74	Satisfactory	4
Spear St	Spear_B	THOMAS RD	IRISH HILL RD	3,739.00	93472	7/10/2014	56	Fair	4
Spear St	Spear_A	T/J	THOMAS RD	2,091.00	45997	7/10/2014	58	Fair	4
Spear St	Spear_E	COLLAMER CIR	WESTVIEW DR	3,201.00	76816	7/10/2014	74	Satisfactory	4
Spear St	Spear_D	BISHOP RD	COLLAMER CIR	4,530.00	104181	7/10/2014	67	Fair	4
Spear St	Spear_C	IRISH HILL RD	BISHOP RD	5,018.00	110386	7/10/2014	92	Good	4
Spinnaker Ln	Spinnak_A	BAY RD	END	1,421.00	41211	7/1/2014	95	Good	3
Steeplebush Rd	Steeple_A	MAPLEWOOD DR	END	744	23061	6/30/2014	81	Satisfactory	3
Stokes Ln	Stokes_A	SCHOOL ST	TRACY LN	1,244.00	37326	6/30/2014	59	Fair	3
Stonegate Ln	Stonega_A	WEBSTER RD	END	1,105.00	28738	6/19/2014	71	Satisfactory	3
Summit Cir	Summit_A	OAK HILL RD	END	1,443.00	43292	6/18/2014	98	Good	3

Thomas Rd	Thomas_A	FALLS RD	SPEAR ST	5,577.00	133832	7/9/2014	65 Fair	4
Thompson Rd	Thompso_A	IRISH HILL RD	END	2,901.00	66715	7/16/2014	30 Very Poor	4
Thrush Wy	Thrush_A	DEER RUN DR	END	434	13019	6/19/2014	67 Fair	3
Littlefield Dr	Littlef_A	MOUNT PHILO RD	MOUNT PHILO RD	1,652.00	47915	6/30/2014	100 Good	3
Timber Ln	Timber_A	MEADOW LN	KIMBALL TERR	626	14402	6/30/2014	35 Very Poor	3
School St	School_A	HARBOR LN	END	2,191.00	65742	6/30/2014	37 Very Poor	4
Village Vale Dr	Village_A	HARBOR RD	END	776	18634	6/30/2014	83 Satisfactory	3
Vista Dr	Vista_A	CEDAR RIDGE DR	END	929	22294	7/16/2014	55 Poor	3
Webster Rd	Webster_A	Spear St	Fox Run Rd	2,640.00	68640	7/10/2014	47 Poor	4
Webster Rd	Webster_C	NORTH SPLIT	SHELBURNE RD	1,292.00	29716	7/10/2014	32 Very Poor	3
Webster Rd	Webster_B	FOX RUN RD	SPLIT	3,303.00	79261	7/10/2014	41 Poor	4
Webster Rd	Webster_D	SOUTH SPLIT	SHELBURNE RD	560	12875	7/10/2014	63 Fair	3
Westview Dr	Westvie_A	SPEAR ST	END	1,735.00	41628	7/9/2014	81 Satisfactory	3
Wild Ginger Ln	WildGng_A	MT PHILO RD	END	603	17484	7/9/2014	83 Satisfactory	3
Woodbine Rd	Woodbin_A	PINEHURST DR	JUNIPER RDG	2,672.00	64117	6/18/2014	65 Fair	4
Yacht Haven Dr	Yacht_A	BAY RD	END	1,023.00	28642	7/1/2014	100 Good	3
Brook Ln	Brook_A	Woodbine Rd	Pine Hurst Dr	355	8520	6/19/2014	49 Poor	2
Athletic Dr	Athletic_A	Harbor Rd	End	1,156.00	27744	7/2/2014	43 Poor	3
Hawley Rd	Hawley_A	Boulder Hill Dr	End	1,056.00	27456	7/2/2014	98 Good	3
Ticonderoga Rd	Ticonde_A	HARBOR RD	GENERAL GREENE RD	558	13401	7/1/2014	73 Satisfactory	3
Pierson Dr	Pierson_A	MORSE DR	END	1,573.00	31459	7/1/2014	46 Poor	3
Maeck Farm Rd	Maeck_A	BISHOP RD	END	2,316.00	55587	7/16/2014	82 Satisfactory	4
Maple Leaf Ln	Maple_A	BAY RD	SHELBURNE RD	1,714.00	37711	6/19/2014	76 Satisfactory	3
Maplewood Dr	Maplewo_A	MARSETT RD	MOUNT PHILO RD	2,187.00	63427	6/30/2014	83 Satisfactory	4
Marssett Rd	Marssett_A	SHELBURNE RD	FALLS RD	1,888.00	47210	7/1/2014	50 Poor	3
Martindale Rd	Martind_A	SHELBURNE RD	WOODBINE RD	3,758.00	112727	6/18/2014	75 Satisfactory	4
Meadow Ln	Meadow_A	SHELBURNE RD	KIMBALL TERR	1,337.00	29412	7/16/2014	68 Fair	3
Morse Dr	Morse_A	SPEAR ST	LOGAN CT	1,248.00	26214	7/1/2014	45 Poor	3
Mount Philo Rd	Mount_A	FALLS RD	WILD GINGER LN	2,467.00	59199	7/10/2014	87 Good	4
Mount Philo Rd	Mount_B	WILD GINGER LN	T/L	2,995.00	71884	7/10/2014	93 Good	4
Munroe Dr	Munroe_A	LONGMEADOW DR	END	239	7166	6/19/2014	54 Poor	2
Northside Dr	Northsi_A	EXECUTIVE DR	END	1,282.00	38471	6/18/2014	36 Very Poor	3
Olde Orchard Ln	Olde_A	JUNIPER RDG	END	2,762.00	82864	6/18/2014	64 Fair	4
Shelburne Hinesburg R	ShlbrHg_A	DORSET ST	T/L	4,918.00	118043	7/10/2014	69 Fair	4
Pine Haven Shores Rd	PineRd_A	SHELBURNE RD	PINE HAVEN SHORES LN	1,264.00	34133	6/18/2014	78 Satisfactory	3
Pinehurst Dr	PinhrDr_A	HULLCREST RD	PINEHURST LN	2,163.00	54071	6/18/2014	55 Poor	4
Pinehurst Ln	PinhrLn_A	PINEHURST DR	END	234	5849	6/18/2014	65 Fair	2
Pond Rd	Pond_A	Dorset St	Pvmt Change	180	4320	7/10/2014	73 Satisfactory	1
Potter Pl	Potter_A	PIERSON DR	COLLAMER CIR	447	10721	7/1/2014	23 Serious	3
Quail Wy	Quail_A	DEER RUN DR	END	571	17143	6/19/2014	68 Fair	3
Ravine Ct	Ravine_A	MORSE DR	END	472	9902	7/1/2014	53 Poor	3
Richmond Dr	Richmon_A	LONGMEADOW DR	LONGMEADOW DR	1,589.00	46071	7/16/2014	70 Fair	3
Ridgefield Rd	Ridgefi_A	SHELBURNE RD	END	4,813.00	115508	6/19/2014	42 Poor	4
Boulder Hill Dr	Boulder_A	Webster Rd	Hawley Rd	1,584.00	41184	7/2/2014	98 Good	3
Oak Hill Rd	Oak_A	MARTINDALE RD	MARTINDALE RD	2,053.00	61592	6/18/2014	49 Poor	4

PCI RESULTS (ALL ROADS)	
FAILED (0-10)	0
SERIOUS (11-25)	2
VERY POOR (26-40)	9
POOR (41-55)	25
FAIR (56-70)	34
SATISFACTORY (71-85)	35
GOOD (86-100)	20

PCI RESULTS (ALL ROADS)

