



HIGHWAY 710

BUDGET SUMMARY AND HIGHLIGHTS:

The 2017 budget is \$5,617,300. This is a decline of 15% from last year as several 2015 projects were carried over into 2016. The revenue side of the budget includes a substantial reduction in tax proceeds back to pre-debt service levels. In 2016 the Levy was \$2.3 million, in 2017 the Levy will be \$2.24 million. To make up for this a General Fund transfer in the amount of \$1,078,578 together with \$199,700 in highway fund carry over funds will fund operations and projects in 2017.

Highway Reconstruction on County Highway D is planned for 2017. An 11 mile section is prioritized over the next two years so additional mileage could be done funds permitting.

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2017 BAYFIELD COUNTY HIGHWAY BUDGET

EXPENSES

COUNTY TRUNK ROADS		
ROUTINE MAINTENANCE	\$	932,000
WINTER MAINTENANCE		826,000
ADMINISTRATION		400,000
INTERDEPARTMENTAL		25,000
TRANSFER TO MACHINERY FUND		522,000
CTH CONSTRUCTION		1,500,000
CTH D		
CTH E BRIDGE (NEW CONSTRUCTION)		160,000
CTH F BRIDGE		80,000
CAPITAL IMPROVEMENT PROJECTS		
HEATING SYSTEMS (CABLE & PORT WING)		50,000
STATE MAINTENANCE		<u>1,122,300</u>
TOTAL EXPENSES	\$	5,617,300

REVENUES

TAX LEVY FOR COUNTY ROADS	\$	1,506,800
TAX LEVY FOR EQUIPMENT		522,000
TAX LEVY FOR ADMINISTRATION		214,000
RECORDS AND REPORTS		186,000

GENERAL TRANSPORTATION AIDS (STATE)	587,600
INTERDEPARTMENTAL	25,000
SALE OF EQUIPMENT	
COUNTY HWY IMPROVEMENT PROGRAM	70,311
COUNTY HWY IMPROVEMENT PROGRAM DISCRETIONARY	106,716
GENERAL FUND PAVING (6 MILES)	1,276,573
STATE REQUISITIONS	<u>1,122,300</u>
TOTAL REVENUES	\$ 5,617,300

ROUTINE MAINTENANCE

Routine Maintenance includes all of the activities necessary to maintain a safe county system. Activities do not include winter maintenance or construction.

Included in routine maintenance are patching, mowing, culvert replacement, cracksealing, woody vegetation, shoulder maintenance and pavement marking.

Routine maintenance is expected to see an increase in 2017. A heavy construction season in 2016 and 2 natural disasters have set the department back on some maintenance projects.

Two newer bridges on CTH D have spalled decks and will require treatment, tentatively epoxy overlays. Bridge B043, on CTH M, will also require a deck treatment and repairs to the soffits. Shoulder maintenance will also be a priority.

Final trial balances from ChemsPro show the historical costs as:

2013	2014	2015	2016 (Projected)
\$833,403	\$703,065	\$611,910	\$788,000

WINTER MAINTENANCE

Winter maintenance includes all of the activities necessary to maintain safe winter driving conditions. Final trial balances from ChemsPro show historical costs as:

2013	2014	2015	2016 (Projected)
\$951,681	\$859,620	\$654,893	\$822,000

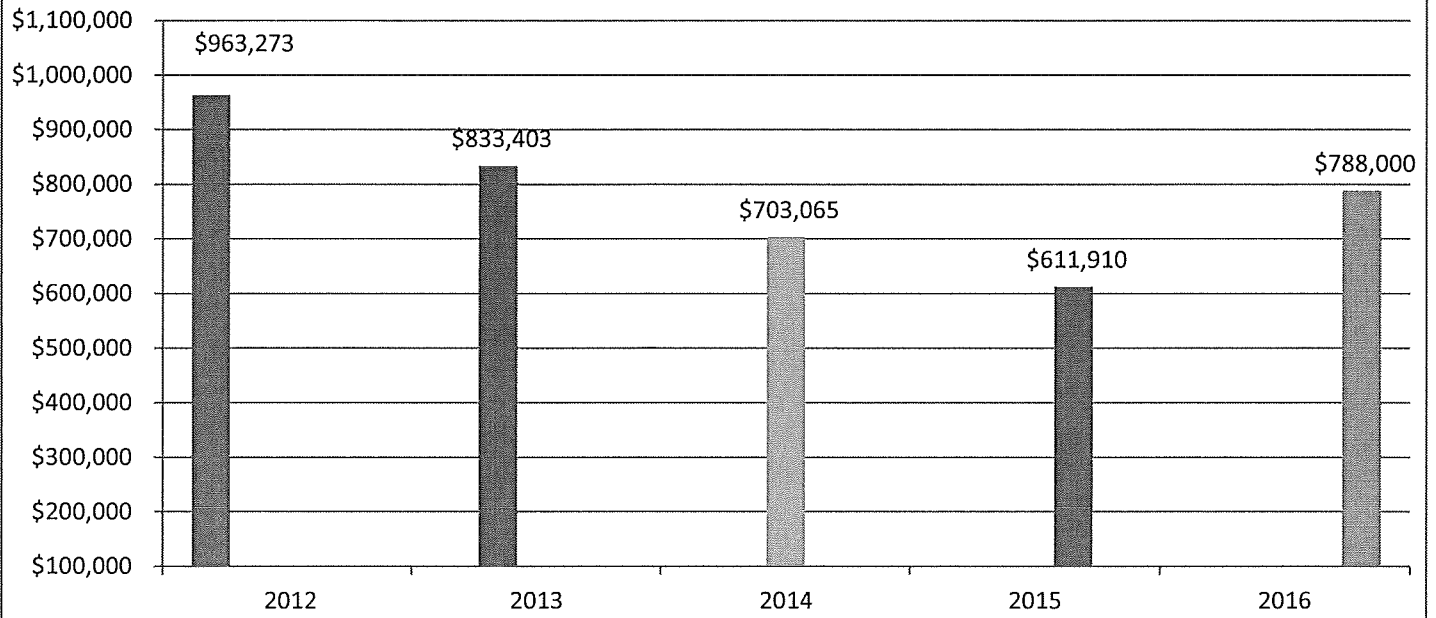
COMBINED ROUTINE AND WINTER MAINTENANCE

Typically, winter is the driving factor. High winter maintenance will result in a low routine maintenance, i.e. we will not be crackfilling if we're plowing.

	2013	2014	2015	2016 (Projected)
ROUTINE	\$ 833,403	\$ 703,065	\$ 611,910	\$ 788,000
WINTER	<u>951,681</u>	<u>859,620</u>	<u>654,893</u>	<u>822,000</u>
COMBINED	\$1,785,084	\$1,562,685	\$1,266,803	\$1,610,000

Routine and winter maintenance for 2017 are at 2016 levels.

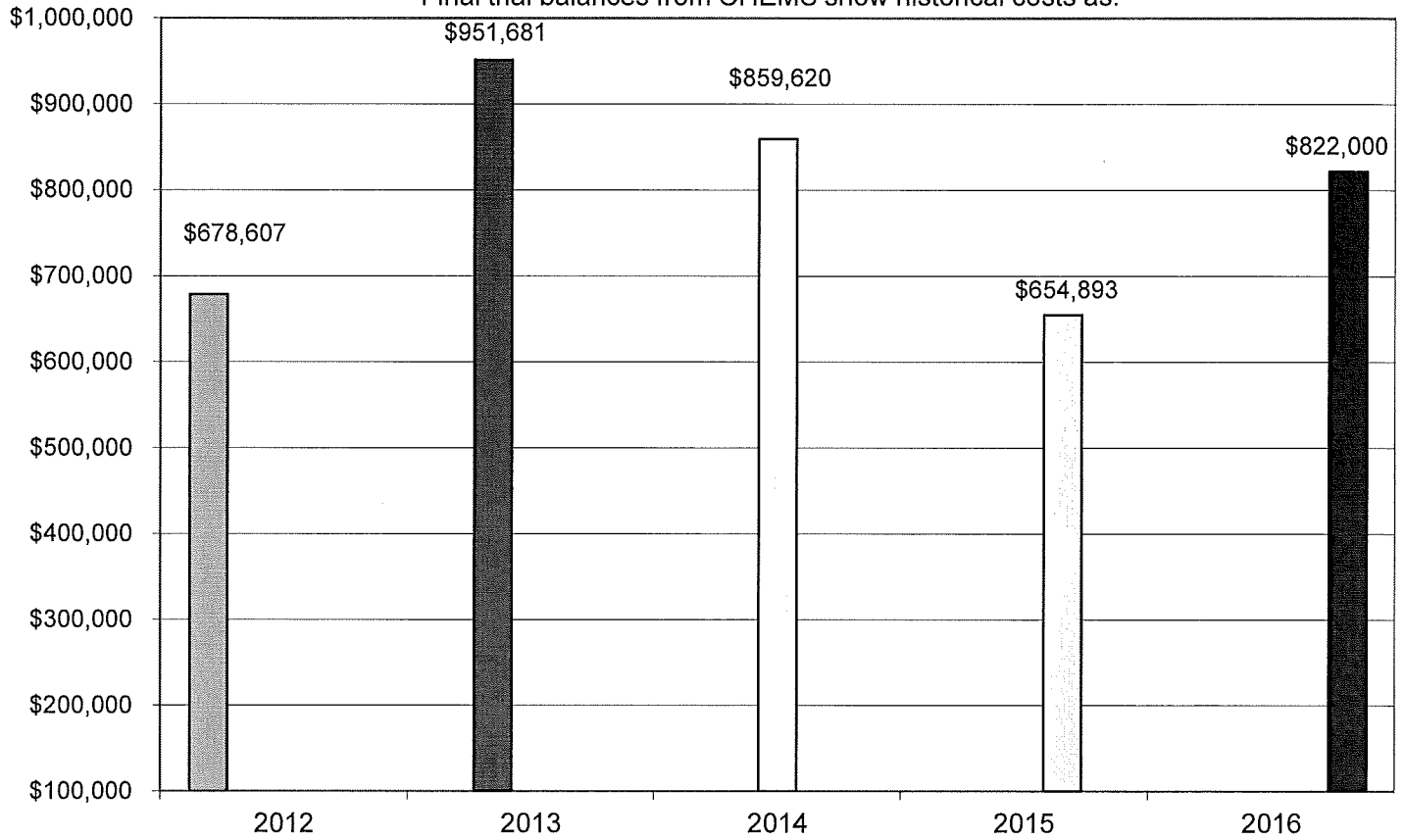
ROUTINE MAINTENANCE COSTS



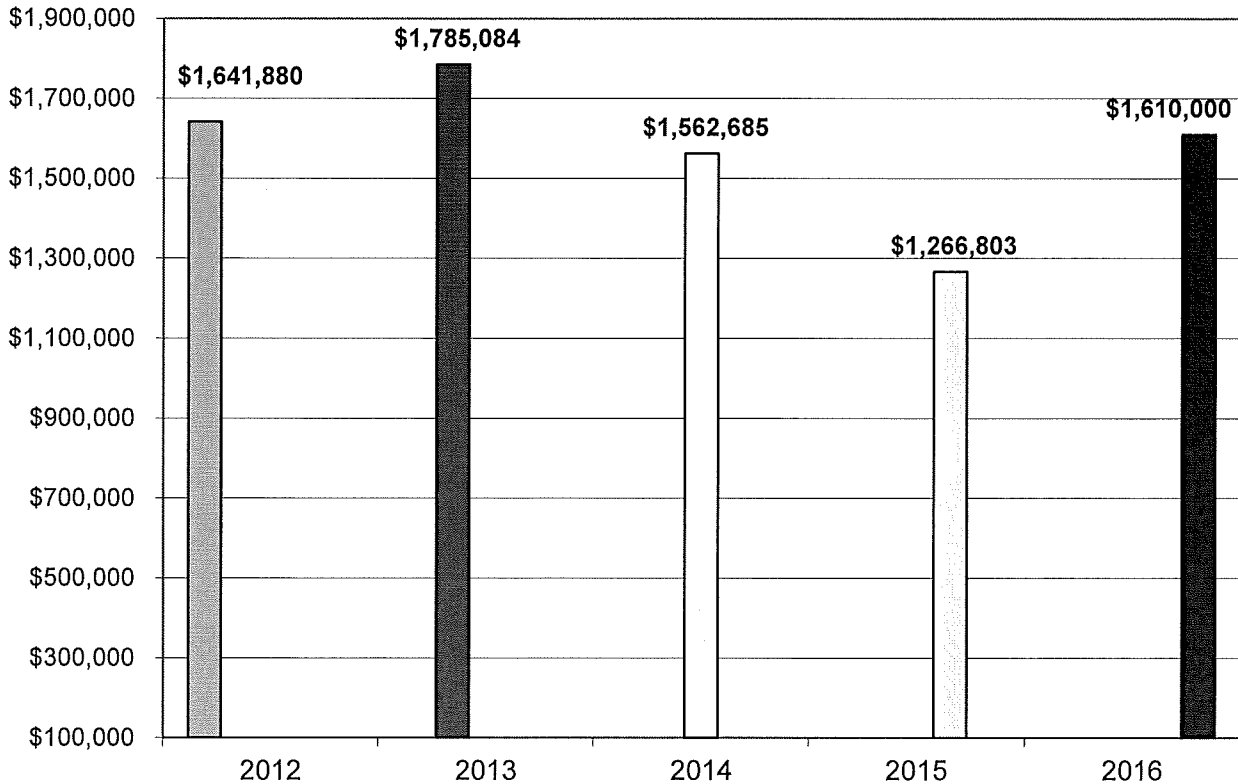
WINTER MAINTENANCE COSTS

Winter maintenance includes all of the activities necessary to maintain safe winter driving conditions.

Final trial balances from CHEMS show historical costs as:



COMBINED ROUTINE AND WINTER MAINTENANCE COSTS



ADMINISTRATION

Administration costs are projected to remain at 2016 levels.

MACHINERY

The 2017 budget continues the purchase of 2 patrol trucks annually providing for the replacement of equipment before repair costs exceed revenues. An updated 5 year plan follows. Sales of equipment are included as an estimated line item in the budget.

5 YEAR PLAN

2017

(2) Patrol Trucks - Replace (2) 2008 models #52 & #54	370k
(4) ¾ Ton 4x4 Regular Cab Pickup Trucks – Replace #23,24,25,30	120k
(2) 12' Fixed Plows	17k
Unanticipated	<u>15k</u>
	522k

2018

(3) Patrol Trucks - Replace (1) 2008 and (2) 2009 models	550k
(1) Patrol Superintendent pickup	40k
(2) 14' Fixed Plows	17k
(1) Rubber Tired Roller (Super Pickup & Broom Truck)	15k

Unanticipated 15k
637k

2019

(2) Patrol Trucks - Replace (2) 2009 models 375k
 (1) Grader (used) – Replace #232 (Iron River) 220k
 (2) 12' Fixed Plows 20k
 Unanticipated 15k
630k

2020

(2) Patrol Trucks - Replace (1) 2009 & (1) 2010 models 400k
 (1) Semi Tractor – Replace #18 200k
 (2) 12' Fixed Plows 20k
620k

2021

(2) Patrol Trucks -Replace (1) 2010 & (1) 2011 models 405k
 (1) Chipper – Replace #313 (1990) 130k
 (2) ¾ ton 4x4 Reg. Cab Pickup Trucks – Replace (2) 2012 models 70k
 (1) 12' Fixed Plow 10k
 (1) 12' Reversible Plow 13k
628k

Other equipment not on schedule:

#59	1996	330,000 mi*	**	Quad Axle Dump
#60	1996	245,000 mi*		Quad Axle Dump
#61	1997	275,000 mi*	**	Quad Axle Dump
#62	2006	125,000 mi*		Tri Axle Dump
#380	2005			Sweepster Broom
#140	1988	6,000 hrs. (rusty)		966D Wheel Loader
#36	2006	85,000 mi.		Broom Truck

* All have new boxes 2015/2016

** Rod & main brgs. Done 2016

2017 Sell:

(2) 2008 Model Patrol Trucks
#52 90,000 mi
#54 75,000 mi
(2) 2006 Model Pickup Trucks
#23 130,000 mi
#24 135,000 mi
#25 98,000 mi
#30 130,000 mi

BUDGET DETAIL - PICKUP TRUCKS CURRENTLY IN USE 06/2016

YEAR	TRUCK NUMBER	MILEAGE
2001	50 (1-ton)	90,000
2002	83 (shop truck)	92,000
2005	30	130,000
2006	23	126,000

2006	24	135,000
2006	25 (needs motor)	98,000
2008	22	106,000
2012	20	40,000
2012	21	48,000
2013	15	45,000
2013	16	44,000
2015	12	17,000
2016	26	3,000

BUDGET DETAIL - PATROL TRUCKS CURRENTLY IN USE 6/2016

YEAR	TRUCK NUMBER	MILEAGE
2008	52	90,000
2008	54	74,000
2008	55	55,000
2009	63	70,000
2009	64	70,000
2009	65	77,000
2009	68	80,000
2010	69	63,000
2010	70	78,000
2011	44	59,000
2011	45	58,000
2013	49	32,000
2013	56	32,000
2014	72	20,000
2014	82	22,000
2015	34	3,200
2015	35	4,400
2016	33	NEW
2016	32	NEW

BUDGET DETAIL – EQUIPMENT - HEAVY HAUL 6/2016

YEAR	TRUCK NUMBER	MILEAGE
1996	59 (quad)	330,000
1996	60 (quad)	245,000
1997	61 (quad)	275,000
1999	18 (tractor)	425,000
2007	62 (tri)	125,000
2015	73 (quad)	11,000
2015	75 (quad)	11,000

BUDGET DETAIL – EQUIPMENT – SUPERVISORY PICKUPS 6/2016

YEAR	TRUCK NUMBER	MILEAGE
2010	1B (Commissioner)	68,000
2012	2C (Patrol Superintendent)	110,000
2009	2B (Shop Foreman)	145,000

CTH CONSTRUCTION

At an average cost of \$250,000 / mile to reconstruct a typical county highway, we are again authorized to expend \$1,500,000 for the reconstruction of an average of 6 miles annually.

The 5.09 mile section of CTH M (Frels Rd – CTH D) was again submitted as a candidate for a 2017-2020 Federal Lands Access Project. No federal commitment has been made to date.

Based on 2015 PASER Road Evaluations, CTH D (Sugar Bay Drive – Club Lake Road) is a 2017 priority.

Noting the variable rates of highway deterioration and tentative federal approvals, the 5 Year Improvement / Priority Plan will be adjusted accordingly.

BAYFIELD COUNTY HIGHWAY DEPARTMENT 5 YEAR IMPROVEMENT / PRIORITY PLAN

2017	CTH D (Sugar Bay – Diamond Lk Rd)	6 miles
2018	CTH D (N Diamond Lake Rd – USH 63)	6.1 miles
2019	CTH M (Frels Road – CTH D)	5.5 miles
2020	CTH M (USH 63 – Frels Road)	5.5 miles
2021	CTH N (STH 27 – CTH A)	5.6 miles

BRIDGES

The July 11, 2016 flood rendered the CTH E / Four Corners plate structure (bridge) irreparably damaged. Federal Emergency Flood Damage Aids paid 100% of the restoration. Two 8' culverts were installed. Flood damage aids will also pay 80% of "improvements" to the site. The department is currently proceeding with the design and construction of a bridge. Total costs to the County, including design, land acquisition and construction are estimated at \$160,000.

Bridge B-04-0019, CTH F / South Fish Creek has also been approved for an 80/20 Federal Aid redeck. Total costs to the County are estimated at \$80,000.

CAPITAL IMPROVEMENT PROJECTS

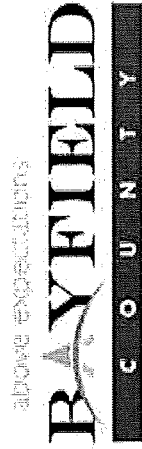
The department will complete the heating system repair program with the replacement of the Bayfield, Port Wing and Cable systems.

STATE MAINTENANCE

Bayfield County contracts with the Wisconsin Department of Transportation to provide maintenance services on State trunk highways. Essentially a "put and take" line item, the agreement does provide funding for labor, equipment, administration and facilities.

2017 Highway

Budget Year 2017



Account	Account Description	2014 Actual Amount	2015 Actual Amount	2016 Adopted Budget	2016 Estimated Amount	2017 Department	2017 Administrator	2017 County Board	2017 Co Bd/2016 Adopted
Fund 710 - Highway									
REVENUE									
Department 71 - Highway Dept									
41110	General Property Taxes	2,303,309.00	2,302,709.00	2,306,109.00	2,306,109.00	2,242,800.00	1,832,654.00	2,241,095.00	97
43531	St Grant-Local Transp Aid	565,056.25	579,040.52	587,600.00	587,600.00	587,600.00	587,600.00	587,600.00	100
46330	Other Road Related Revenue	.00	3,082.80	.00	.00	.00	.00	.00	.00
47100	Fed Intergovernmental Charges	.00	223.76	.00	.00	.00	.00	.00	.00
47210	State Intergov Chgs-Non-Transp	.00	173.96	.00	.00	.00	.00	.00	.00
47231	State-Gen Maint	1,079,105.11	1,014,159.97	1,122,300.00	1,122,300.00	1,122,300.00	1,122,300.00	1,122,300.00	100
47232	State Road & Bridge Const	55,298.52	34,564.06	.00	.00	.00	.00	.00	.00
47233	State -Other	51,630.79	53,347.75	.00	.00	.00	.00	.00	.00
47234	Administrative Support	55,479.47	49,912.62	73,646.00	73,646.00	177,027.00	177,027.00	177,027.00	253
47235	Salt Storage (State)	7,239.27	25,373.97	25,374.00	.00	.00	.00	.00	.00
47236	Radio Costs (State)	2,747.39	3,079.24	3,079.00	.00	.00	.00	.00	.00
47237	GPL Insurance	6,984.58	10,188.98	10,189.00	.00	.00	.00	.00	.00
47238	Bldg Storage Costs	63,505.26	53,312.27	53,312.00	.00	.00	.00	.00	.00
47239	Local Road Improv Prog	13,791.73	77,796.58	.00	.00	.00	.00	.00	.00
47330	Local Government Revenue	72,623.36	98,699.85	15,000.00	15,000.00	.00	.00	.00	.00
47410	Local Depts	32,699.45	38,310.07	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	100
48103	Misc Patronage Interest	.00	.00	1,000.00	.00	.00	.00	.00	.00
48104	Miscellaneous Revenues	.00	.00	.00	1,340.00	.00	.00	.00	.00
48310	Gain (Loss) Sale-Small Fxd Asset	.00	(228.25)	55,000.00	.00	.00	.00	.00	.00
48330	Sale of Material & Supplies	.00	.00	1,900.00	.00	.00	.00	.00	.00
48340	Sale of Salvage & Waste	.00	.00	2,500.00	.00	.00	.00	.00	.00
48905	Performance Based Maintenance	104,961.26	121,289.90	.00	.00	.00	.00	.00	.00
49201	Transfer from Other Funds	.00	1,100,000.00	1,078,291.00	1,078,291.00	1,276,573.00	1,487,019.00	1,078,578.00	100
49301	Fund Balance Applied	.00	.00	1,277,000.00	.00	.00	199,700.00	199,700.00	16
49401	Sale of Larger \$Gen Fixed Assets	.00	103,163.25	.00	.00	.00	.00	.00	.00
Department 71 - Highway Dept Totals		\$4,414,431.44	\$5,668,200.30	\$6,637,300.00	\$5,209,286.00	\$5,617,300.00	\$5,617,300.00	\$5,617,300.00	85%
REVENUE TOTALS		\$4,414,431.44	\$5,668,200.30	\$6,637,300.00	\$5,209,286.00	\$5,617,300.00	\$5,617,300.00	\$5,617,300.00	85%
EXPENSE									
Department 71 - Highway Dept									
50111	Department Head	68,664.96	68,856.48	.00	.00	.00	.00	.00	.00
50121	Full Time	881,284.74	897,039.90	550,000.00	550,000.00	550,000.00	550,000.00	550,000.00	100
50123	Temporary Employee	21,784.00	29,748.50	.00	.00	.00	.00	.00	.00
50130	Funeral Leave	2,175.96	1,164.16	.00	.00	.00	.00	.00	.00
50131	Sick Leave Pay	26,753.90	37,176.85	.00	.00	.00	.00	.00	.00
50132	Vacation Pay	62,774.87	75,786.04	.00	.00	.00	.00	.00	.00
50135	Overtime	110,860.02	64,225.44	.00	.00	.00	.00	.00	.00
50138	Holiday Pay	46,484.72	47,303.92	.00	.00	.00	.00	.00	.00
50139	Workers Compensation	242.83	.00	.00	.00	.00	.00	.00	.00

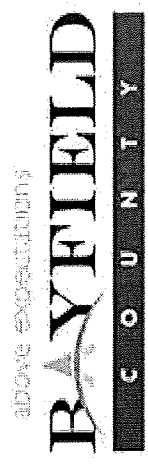
2017 Highway Budget Year 2017



Account Fund	Account Description	2014 Actual Amount	2015 Actual Amount	2016 Adopted Budget	2016 Estimated Amount	2017 Department	2017 Administrator	2017 County Board	2017 Co Bd/2016 Adopted
EXPENSE									
Department 71 - Highway Dept									
50140	Per Diem	2,675.00	2,850.00	.00	.00	.00	.00	.00	.00
50151	Fica/Medicare	90,945.47	89,762.41	.00	.00	.00	.00	.00	.00
50152	Co. Share Retirement	84,115.72	79,892.55	.00	.00	.00	.00	.00	.00
50154	Health Insurance	265,131.54	286,618.58	.00	.00	.00	.00	.00	.00
50155	Life Insurance	673.80	731.50	.00	.00	.00	.00	.00	.00
50156	HRA	129,350.00	145,400.00	.00	.00	.00	.00	.00	.00
50191	Administrative Expenses	321.90	.00	4,221,300.00	4,221,300.00	3,287,300.00	3,287,300.00	3,287,300.00	78
50213	Medical Fees	671.73	920.59	.00	.00	.00	.00	.00	.00
50220	Utilities	71,843.55	57,490.08	.00	.00	.00	.00	.00	.00
50225	Telephone	8,311.47	8,419.98	.00	.00	.00	.00	.00	.00
50240	Repair & Maintenance	49,441.56	62,733.95	.00	.00	.00	.00	.00	.00
50290	Contractual Services	1,080,308.03	1,007,839.15	50,000.00	.00	50,000.00	50,000.00	50,000.00	100
50310	Office Supplies	12,253.45	9,721.43	.00	.00	.00	.00	.00	.00
50311	Postage	.00	1,070.98	.00	.00	.00	.00	.00	.00
50313	Printing & Duplication	315.77	262.49	.00	.00	.00	.00	.00	.00
50315	Advertising	742.40	859.29	.00	.00	.00	.00	.00	.00
50320	Publication, Subscriptions & Dues	1,611.33	347.17	.00	.00	.00	.00	.00	.00
50325	Registration Fees & Tuition	1,436.68	3,943.95	1,800.00	1,800.00	1,800.00	1,800.00	1,800.00	99
50332	Mileage	1,245.33	1,125.34	.00	.00	.00	.00	.00	.00
50335	Meals	264.40	259.70	24.00	.00	24.00	24.00	24.00	73
50336	Lodging	777.43	1,015.30	.00	.00	.00	.00	.00	.00
50340	Operating Supplies	13,924.62	15,476.78	.00	.00	.00	.00	.00	.00
50346	Uniform & Boot Allowance	185.94	.00	.00	.00	.00	.00	.00	.00
50347	Tool Allowance	650.13	758.00	.00	.00	.00	.00	.00	.00
50350	Repair & Maintenance Supplies	645,247.33	484,946.54	.00	.00	.00	.00	.00	.00
50351	Fuel	.00	260.31	.00	.00	.00	.00	.00	.00
50352	Oil, Grease, Anti-Freeze	.00	185.11	.00	.00	.00	.00	.00	.00
50353	Trail Maintenance and Development	.00	916.61	.00	.00	.00	.00	.00	.00
50356	Sundry Items	1,610.50	2,618.21	.00	.00	.00	.00	.00	.00
50360	Other Repairs & Maint Supplies	100,811.69	71,695.44	.00	.00	.00	.00	.00	.00
50363	Signs & Posts	(1,966.62)	3,776.38	.00	.00	.00	.00	.00	.00
50365	Culverts & Supplies	40,089.16	5,471.25	.00	.00	.00	.00	.00	.00
50366	Erosion Control	25,423.86	68,695.06	.00	.00	.00	.00	.00	.00
50372	Sand & Gravel	10,019.96	42,723.09	.00	.00	.00	.00	.00	.00
50373	Salt	215,956.21	343,264.40	.00	.00	.00	.00	.00	.00
50375	Asphalt	20,624.97	31,571.65	.00	.00	.00	.00	.00	.00
50377	Construction/Maintenance Supplies	104.40	1,285.09	.00	.00	.00	.00	.00	.00
50379	Other Road Supplies	39,066.96	155,122.69	.00	.00	.00	.00	.00	.00

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2017 Highway Budget Year 2017



Account	Account Description	2014 Actual Amount	2015 Actual Amount	2016 Adopted Budget	2016 Estimated Amount	2017 Department	2017 Administrator	2017 County Board	2017 Co Bd/2016 Adopted
Fund 710 - Highway									
EXPENSE									
Department 71 - Highway Dept									
50396	Clothing Allowance	6,146.71	6,725.34	.00	.00	.00	.00	.00	.00
50510	Insurance	29,450.67	46,930.68	.00	.00	.00	.00	.00	.00
50512	Insurance on Vehicles	16,847.40	13,469.65	.00	.00	.00	.00	.00	.00
50530	Rents & Leases	240.21	80.07	.00	.00	.00	.00	.00	.00
50533	Equipment Rental	8,537.50	.00	.00	.00	.00	.00	.00	.00
50540	Depreciation & Amortization	5,473.00	.00	.00	.00	.00	.00	.00	.00
50810	Capital Equipment	(21,051.09)	(25,799.42)	608,000.00	.00	522,000.00	522,000.00	522,000.00	86
50900	Cost Allocations	(484,500.71)	50,431.54	375,045.00	373,221.00	375,045.00	375,045.00	375,045.00	100
50920	Field Small Tools Cost Allocations	.00	13,404.38	52,727.00	51,727.00	52,727.00	52,727.00	52,727.00	100
50940	Machinery & Equip Cost Allocation	515,426.03	239,909.25	490,228.00	490,228.00	490,228.00	490,228.00	490,228.00	100
50982	Material Cost Allocation	68,843.97	(134,150.13)	288,176.00	288,176.00	288,176.00	288,176.00	288,176.00	100
Department 71 - Highway Dept Totals		\$4,280,625.36	\$4,422,333.70	\$6,637,300.00	\$5,976,452.00	\$5,617,300.00	\$5,617,300.00	\$5,617,300.00	85%
EXPENSE TOTALS		\$4,280,625.36	\$4,422,333.70	\$6,637,300.00	\$5,976,452.00	\$5,617,300.00	\$5,617,300.00	\$5,617,300.00	85%
Fund 710 - Highway Totals									
REVENUE TOTALS		\$4,414,431.44	\$5,668,200.30	\$6,637,300.00	\$5,209,286.00	\$5,617,300.00	\$5,617,300.00	\$5,617,300.00	85%
EXPENSE TOTALS		\$4,280,625.36	\$4,422,333.70	\$6,637,300.00	\$5,976,452.00	\$5,617,300.00	\$5,617,300.00	\$5,617,300.00	85%
Fund 710 - Highway Totals		\$133,806.08	\$1,245,866.60	\$0.00	(\$767,166.00)	\$0.00	\$0.00	\$0.00	+++
Net Grand Totals									
REVENUE GRAND TOTALS		\$4,414,431.44	\$5,668,200.30	\$6,637,300.00	\$5,209,286.00	\$5,617,300.00	\$5,617,300.00	\$5,617,300.00	85%
EXPENSE GRAND TOTALS		\$4,280,625.36	\$4,422,333.70	\$6,637,300.00	\$5,976,452.00	\$5,617,300.00	\$5,617,300.00	\$5,617,300.00	85%
Net Grand Totals		\$133,806.08	\$1,245,866.60	\$0.00	(\$767,166.00)	\$0.00	\$0.00	\$0.00	+++

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