



**TOWN OF ORONO
CAPITAL BUDGET REQUEST
2012-2013**

**SOPHIA WILSON
TOWN MANAGER**

Submitted: March 1, 2012

TOWN OF ORONO

TO: ORONO TOWN COUNCIL
FROM: SOPHIA L. WILSON, TOWN MANAGER
SUBJECT: FY2013 CAPITAL BUDGET
DATE: 03/01/2012
CC: SENIOR STAFF

In accordance with Town Charter, it is my pleasure to present the Council with the FY2013 Capital Budget which contains proposed capital spending on equipment, facilities, and infrastructure for the next five budget cycles. Senior staff has done an admirable job attempting to balance the capital needs required to support current service levels and the ever present financial constraints of our taxpayers. As presented, proposed expenditures for the coming fiscal year total approximately \$8.6 million which is broken down as follows:

Capital Equipment	\$543,000
Capital Facilities	\$7,310,600
Capital Infrastructure (Roads)	\$724,500

You will note that the proposed Facilities Budget is considerably higher than usual as it includes the construction of both a public works garage and parking facility. Staff proposed that these are financed through debt, the repayment of which would begin in FY2015. Information about estimated cost and the impact of future debt repayments is included in the project sheets for these items.

As you review the budget, you will also note the addition of a Police Technology Reserve Account and appropriations for a Facilities Major Maintenance Reserve. The Police Technology Reserve Account is proposed to fund the replacement of in-car cameras, radar units, in-car laptops, capital audio/video systems, and desktop/server computer units for the Department. While many of these items have a significant lifecycle, it is also very expensive equipment that often needs to be changed out simultaneously. Use of this and other reserve accounts will allow a consistent draw upon the general fund to save for the equipment over time as opposed to needing to fund a large expense all at once.

The proposed budget includes \$7,821,350 in offsetting revenue (including proposed borrowing, projected grant funds, and appropriations from reserve accounts) which leaves a balance of \$765,750 to be paid from the general fund. It is proposed that the Town reduce its draw from the Undesignated Fund to \$250,000 which will leave a balance of \$506,750 to be paid from the property tax. In FY2012, approximately \$275,000 will be transferred from the Undesignated Fund and no additional tax dollars will be needed to fund the capital budget. Given the current economic climate, it is likely that through the budget process we will need to look to reduce the impact on the property tax.

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FY 2012-2013**

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Summary
5-Year Capital Plan
FY 2012-2013

	2011-12 Revised	2012-2013 Projected	2013-14 Projected	2014-2015 Projected	2015-2016 Projected	2016-2017 Projected
Capital Equipment	219,835	543,000	745,000	451,000	625,000	435,000
Capital Infrastructure	592,500	724,500	687,000	650,000	630,000	523,500
Capital Facilities	1,074,475	7,310,600	128,000	74,000	170,000	85,000
Total	1,886,810	8,578,100	1,560,000	1,175,000	1,425,000	1,043,500
Revenue Summary	2011-12 Revised	2012-2013 Projected	2013-14 Projected	2014-2015 Projected	2015-2016 Projected	2016-2017 Projected
Bond Proceeds		6,549,600				
Equipment Reserves	117,835	276,000	390,000	221,000	395,000	245,000
EMS Reserve		27,000				
Grant Funds - Town	786,915	62,500	155,000		120,000	
Bennoch Road Reserve		52,500				
Facility Reserve Funds			11,000			35,000
TIF Funds	94,000	165,000	127,000	70,000	60,000	
Carry Forwards, PW Infrastructure	100,000					
Trade In Values	12,000	40,000		30,000	30,000	30,000
Public Works Garage Reserve	40,000	500,000				
Landfill Reserve Account	125,000	125,000				
Woodchipper Reserve						
Donations/In Kind/Private Match	40,000	23,750			50,000	
Total Available from Other Sources	1,315,750	7,821,350	683,000	321,000	655,000	310,000
Final Summary	2011-12 Revised	2012-2013 Projected	2013-2014 Projected	2014-2015 Projected	2015-2016 Projected	2016-2017 Projected
Total Proposed Capital	1,886,810	8,578,100	1,560,000	1,175,000	1,425,000	1,043,500
Total Available from Other Sources	1,315,750	7,821,350	683,000	321,000	655,000	310,000
Total Needed from GF	274,149	756,750	877,000	854,000	770,000	733,500
Undesignated Fund Transfer	274,149	250,000	250,000	250,000	175,000	140,000
Total Needed from the GF (taxes)	-	506,750	627,000	604,000	595,000	593,500

**5-Year Capital Infrastructure
Fiscal Year 2012-2013**

Revenues		2011-2012 Revised	2012-2013 Projected	2013-2014 Projected	2014-2015 Projected	2015-2016 Projected	2016-2017 Projected
GF Transfer		442,500	529,500	617,000	590,000	630,000	523,500
Carryover Funds		100,000					
Town - Bennoch Rd. Reserve Cash			52,500				
TIF Revenues		50,000	85,000	70,000	60,000		
Grants (MDOT - 50% for College Intersection)			62,500				
Bond Revenues							
Total		592,500	729,500	687,000	650,000	630,000	523,500
Expenditures	Life Span	2011-2012 Projected	2012-2013 Projected	2013-2014 Projected	2014-2015 Projected	2015-2016 Projected	2016-2017 Projected
Pine Street Reclaim & Overlay	15 yrs.	30,000					
Pine Street Sidewalk	10 yrs.						
Bennoch Rd Culvert-15% MDOT Match	30 yrs.		52,500				
Bennoch Rd Culvert Additional Paving	30 yrs.		65,000				
Main Street & Park Street Intersection Upgrades	20 yrs.	17,500					
Oak St / Summer St Sidewalk & Curb Reconstruction (TIF)	15 yrs.						
Page Place Overlay	8 yrs.						
Page Place Sidewalk	15 yrs.						
Page Place Drainage Improvements	15 yrs.						
Essex Street Surface Pavement	20 yrs.	185,000					
Margin Street & Island Ave Culvert	30 yrs.	180,000					
Summer St Overlay (TIF)	8 yrs.	25,000					
Oak St Overlay (TIF)	8 yrs.	25,000					
Main Street Drainage Repair	20 yrs	60,000					
Mill Street Overlay & Sidewalk Reconstruction (TIF)	8 yrs.		85,000				
Pleasant St Overlay & Sidewalks	8 yrs.		30,000				
Godfrey Drive Overlay	8 yrs.		35,500				
Willow Street Overlay	8 yrs.		40,000				
Briarwood Circle	8 yrs.		17,500				
Haskell St, Woodland Ave, Averill St Overlay	8 yrs		32,000				
Sunrise Terrace Overlay	8 yrs		32,000				
Noyes Drive Overlay	8 yrs		75,000				
Noyes Drive Drainage Improvements	8 yrs		70,000				
College and Park Intersection	8 yrs		125,000				
Island Avenue Drainage	30 yrs			175,000			
Island Avenue Street & Sidewalk	30 yrs			125,000			
Sunset Drive Overlay	8 yrs			42,000			
Pine/Mill Municipal Lot Overlay (TIF)	10 yrs			170,000			
Washburn Overlay	8 yrs.			40,000			
College Avenue Retaining Wall	20 yrs.			65,000			
Crosby Street Reclaim	15 yrs				130,000		
Middle Street/Sidewalks (TIF)	8 yrs				60,000		
Kelley Rd Extension	8 yrs				35,500		
Penobscot Street	8 yrs				62,000		
Main Street Sidewalks	15 yrs				125,000		
College Avenue Sidewalk Overlay	15 yrs.				95,000		
Hamlin Street & Sidewalks	15 yrs				72,500		
Gardner Road Overlay & Drainage Improvements	8 yrs					110,000	
Bennoch Road MDOT Match	20 yrs					450,000	
North Main Avenue	15 yrs						245,000
Juniper and Myrtle Streets	15 yrs						58,500
Mill and Water Streets	15 yrs						150,000
Stormwater repairs	25 yrs.	20,000	20,000	20,000	20,000	20,000	20,000
Misc. Road Repairs	8 yrs.	30,000	30,000	30,000	30,000	30,000	30,000
Asphalt Curb repair	8 yrs.	5,000	5,000	5,000	5,000	5,000	5,000
Sidewalk repair	8 yrs.	15,000	15,000	15,000	15,000	15,000	15,000
Total		592,500	729,500	687,000	650,000	630,000	523,500

**5-Year Capital Equipment
Fiscal Year 2012-2013**

		2011-2012 Revised	2012-2013 Projected	2013-2014 Projected	2014-2015 Projected	2015-2016 Projected	2016-2017 Projected
Revenues							
Budgeted From General Fund		90,000	200,000	200,000	200,000	200,000	200,000
Capital Equipment Reserve		117,835	276,000	390,000	221,000	395,000	212,000
EMS Reserve Account		-	27,000				
Trade-In Value		12,000	40,000		30,000	30,000	30,000
Grants, State Funds, COPs				155,000			
Total Revenues		219,835	543,000	745,000	451,000	625,000	442,000
	Life Span	2011-2012 Revised	2012-2013 Projected	2013-2014 Projected	2014-2015 Projected	2015-2016 Projected	2016-2017 Projected
Expenditures							
PS Administration: Copler	5 years	-					5,000
Fire							
Pickup Truck	8 years						25,000
Administrative Vehicle	10 years						
Ambulance	11 years		155,000			155,000	
Lifepaks	8 years		27,000		30,000		
Engine 242	20 years			400,000			
Boat	20 years						
3000 ft. of Hose	10 years				15,000		
Hydraulic Stretcher	10 years		27,000				
Air Packs	8 years					50,000	50,000
Total - PS Admin/Fire		-	182,000	400,000	45,000	205,000	80,000
Police							
Police Car	3 years	44,150	30,000	60,000	30,000	60,000	30,000
Radar	10 years						
Technology - In-Car Cameras	10 years		12,000				
Firearms	5 years				10,000		
Total - Police		44,150	42,000	60,000	40,000	60,000	30,000
Parks and Recreation							
Pick-up Truck 1/2 ton	10 years						
Total - Parks & Rec.		-	-	-	-	-	-
Public Works							
Backhoe for Public Works Garage	15 years						
Crew Cab Pickup Truck w/ Plow	12 years						
Mowing Trailer	15 years						
Skid Steer w/ Grinder & Snow Blower	15 years						
Mowing Tractor w/ Broom & Snow Blower	15 years						
2 Ton Hot Top Roller	15 years						
Recycling Collection Trailer	15 years	24,340					
Snow Blower	15 years	35,000					
15' Wood Chipper	20 years	26,345					
10 - Wheeler Dump Truck Chassis	12 years		100,000				125,000
Snow Plow & Dump Body	12 years		75,000				85,000
Paving Equipment	20 years		25,000				
Truck-medium duty	10 years			80,000			
Truck body, plow and wing	10 years			50,000			
Pick-up Truck & Plow	10 years			30,000			
Street Sweeper	18 years				250,000		
Front End Loader	18 years					250,000	
Total- Public Works		85,685	200,000	160,000	250,000	250,000	210,000
Funding for Equipment Reserve							
General Reserve		75,000	100,000	100,000	100,000	100,000	100,000
Police Technology Reserve			4,000		6,000		12,000
Software/Hardware Reserve Fund	15 years	10,000	10,000	10,000	10,000	10,000	10,000
Phone System Reserve Fund	15 years	5,000	5,000	15,000			
		90,000	119,000	125,000	116,000	110,000	122,000
Total Equipment		219,835	543,000	745,000	451,000	625,000	442,000

**5-Year Capital Facilities
Fiscal Year 2012-2013**

Revenues		2011-2012 Revised	2012-2013 Projected	2013-2014 Projected	2014-2015 Projected	2015-2016 Projected	2016-2017 Projected
Budgeted from General Fund		41,000	56,000	50,000	50,000	50,000	50,000
Town Garage Reserve		40,000	500,000				
Landfill Reserve Account		125,000	125,000				
Undesignated Fund Balance		37,560					
Library Reserve				6,000			
Major Maintenance Reserve				5,000			35,000
TIF Funds		44,000	80,000	57,000			
Bonds, Loans etc...			6,489,600				
Grants, COBG, new Century		786,915					
Donations/In Kind/Private Match						120,000	
Total Revenues		1,074,475	7,250,600	118,000	50,000	170,000	85,000
Expenditures	Life Span	2011-2012 Revised	2012-2013 Projected	2013-2014 Projected	2014-2015 Projected	2015-2016 Projected	2016-2017 Projected
Public Works							
Public Works Facility & Salt Shed	50 years	40,000	5,000,000				
Landfill Closure	100 years	125,000	125,000				
Total - Public Works		165,000	5,125,000				
Parks and Recreation							
Birch St. School Gas Line	20 years	15,000					
Birch Street School Elevator	25 years					120,000	
Summer St. Park and Loop	25 years	45,915					
KAC Gas Line/Conversion	20 years		6,000				
KAC Painting/Siding	10 years		8,000				
KAC Lift	20 years	37,560					
KAC Roof Replacement	25 years			30,000			
Tennis Courts	10 years						
Gould's Landing Facilities	10 years		8,000				
Marden park Drainage	10 years		10,000				
Swimming Pool	10 years	15,000	6,000				
Total - Parks and Rec.		113,475	38,000	30,000		120,000	
Miscellaneous (Municipal Bldg./Public Safety/Library)							
Public Safety Ramp (Fire)	15 years						
Municipal Bldg. Stair/Entry Repairs	15 years	6,000			24,000		
Municipal Building, Parking Lot	10 years						
Municipal Building Roof	20 years						35,000
Municipal Building Renovations			10,000				
Public Safety Bldg Roof Replacement	20 years			35,000			
Public Safety Building Renovations			8,000				
Library Furnace Conversion				6,000			
Total - Misc.		6,000	18,000	41,000	24,000		35,000
Economic Development							
Katahdin Site - Design (TIF)		30,000	60,000	22,000			
Katahdin Site - Project Manager			20,000	35,000			
Katahdin Site - Parking Construction	50 years		1,989,600				
Kelley Road - Design		345,000					
Tech Park/Survey/Design (TIF)		14,000					
Webster Mill Cleanup		396,000					
Total - Econ. Development		785,000	2,069,600	57,000			
Capital Reserve							
Library Reserve Fund		5,000			5,000	5,000	5,000
Major Maintenance Reserve					21,000	45,000	45,000
Total - Capital Reserve		5,000			26,000	50,000	50,000
Total Expenditures		1,074,475	7,250,600	128,000	50,000	170,000	85,000

Town of Orono
Public Works Department

Cost Estimate

Bennoch Road I -- 15% MDOT Match

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	15% MDOT Project Match	0.15	LS	\$ 368,000.00	\$ 55,200.00
	Contingency	0%			\$ -
Total Cost					\$ 55,200.00

Town of Orono
Public Works Department

Cost Estimate

Bennoch Road II -- Additional Paving

	Shim	Surface
Length 1	2,000.00	2,000.00
Length 2	-	-
Width	24.00	24.00
SY	5,333.33	5,333.33
HMA	1.00	1.25
	293.33	366.67

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
2.0	Roadway Construction Items				
2.1	1" 9.5mm HMA Leveling Course	295.00	TN	\$ 85.00	\$ 25,075.00
2.2	1.25" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	365.00	TN	\$ 85.00	\$ 31,025.00
2.3	Misc.	1.00	LS	\$ 2,000.00	\$ 2,000.00
	Contingency	10%			\$ 5,810.00
Total Cost					\$ 63,910.00

Town of Orono
Public Works Department

Cost Estimate -- Mill Street Area

	Shim	Surface
Length	650.00	650.00
Width	30.00	30.00
SY	2,166.67	2,166.67
HMA	1.00	1.25
	119.17	148.96

Mill St -- Main St. to Pleasant/Summer Int.

Approximately 650 Linear Feet

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	3/4" 9.5mm HMA Leveling Course	125.00	TN	\$ 85.00	\$ 10,625.00
1.2	1 1/4" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	155.00	TN	\$ 85.00	\$ 13,175.00
2.0	Sidewalk Construction Items				
2.1	Removal of Existing Sidewalk	450.00	FT	\$ 12.85	\$ 5,782.50
2.2	Reset Granite Curb	450.00	FT	\$ 12.00	\$ 5,400.00
2.3	Construct Sidewalk Base	450.00	FT	\$ 16.85	\$ 7,582.50
2.4	Concrete Sidewalk w/ Brick Accent	450.00	FT	\$ 55.00	\$ 24,750.00
3.0	Structures & Misc. Items				
3.1	Pavement Markings	1.00	LS	\$ 1,250.00	\$ 1,250.00
3.2	Catch Basin Frames & Covers	8.00	EA	\$ 250.00	\$ 2,000.00
3.3	Traffic Control	1.00	LS	\$ 4,500.00	\$ 4,500.00
	Contingency	10%			\$ 7,506.50
	Total Cost				\$ 82,571.50

Shim & Overlay Road & Adjacent Parking. Reconstruct Brick Sidewalk

Town of Orono
Public Works Department

Cost Estimate

	Shim	Surface	Sidewalk
Length	500.00	500.00	500.00
Width	22.00	22.00	6.00
SY	1,222.22	1,222.22	333.33
HMA	0.75	1.25	3.00
	50.42	84.03	55.00

Pleasant Street Overlay & Sidewalks

Approximately 500 Linear Feet

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	3/4" 9.5mm HMA Leveling Course	55.00	TN	\$ 85.00	\$ 4,675.00
1.2	1 1/4" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	85.00	TN	\$ 85.00	\$ 7,225.00
2.0	Sidewalk Construction Items				
2.2	Gravel	150.00	CY	\$ 3.00	\$ 450.00
2.3	Fine Grade	350.00	SY	\$ 4.00	\$ 1,400.00
2.4	2" HMA Sidewalk	60.00	TN	\$ 150.00	\$ 9,000.00
2.5	Slipform Concrete Curb	500.00	LF	\$ 9.00	\$ 4,500.00
3.0	Structures & Misc. Items				
3.3	Traffic Control	1.00	LS	\$ 500.00	\$ 500.00
	Contingency	10%			\$ 2,775.00
Total Cost					\$ 30,525.00

Town of Orono
Public Works Department

Cost Estimate

Godfrey Drive Old Section Only

Approximately 2,000 Linear Feet

	Shim	Surface
Length 1	1,200.00	1,200.00
Length 2	-	-
Width	24.00	24.00
SY	3,200.00	3,200.00
HMA	0.75	1.25
	132.00	220.00

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.3	1/2" 9.5mm HMA Leveling Course	135.00	TN	\$ 85.00	\$ 11,475.00
1.4	1.25" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	220.00	TN	\$ 85.00	\$ 18,700.00
1.5	Misc.	1.00	LS	\$ 2,000.00	\$ 2,000.00
	Contingency	10%			\$ 3,217.50
Total Cost					\$ 35,392.50

Town of Orono
Public Works Department

Cost Estimate

	Shim	Surface
Length	1,250.00	1,250.00
Width	22.00	22.00
SY	3,055.56	3,055.56
HMA	0.75	1.25
	126.04	210.07

Willow St Overlay & Drainage Improvements

Approximately 1,100 Linear Feet

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	3/4" 9.5mm HMA Leveling Course	125.00	TN	\$ 85.00	\$ 10,625.00
1.2	1 1/4" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	225.00	TN	\$ 85.00	\$ 19,125.00
3.0	Structures & Misc. Items				
3.2	Ditch Excavation	1,000.00	LF	\$ 5.00	\$ 5,000.00
3.3	Culverts	250.00	LF	\$ 2.50	\$ 625.00
3.4	Traffic Control	1.00	LS	\$ 500.00	\$ 500.00
	Contingency	10%			\$ 3,587.50
Total Cost					\$ 39,462.50

Town of Orono
Public Works Department

Cost Estimate

Briarwood Circle

Approximately 500 Linear Feet

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	3/4" 9.5mm HMA Leveling Course	60.00	TN	\$ 85.00	\$ 5,100.00
1.2	1 1/4" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	110.00	TN	\$ 85.00	\$ 9,350.00
	Contingency	10%			\$ 1,445.00
Total Cost					\$ 15,895.00

	Surface	Shim
Length	500.00	500.00
Width	24.00	24.00
SY	1,333.33	1,333.33
HMA	1.25	0.75
	91.67	55.00

Town of Orono
Public Works Department

Cost Estimate

Haskell, Woodland, Averill Overlays

Approximately 1,100 Linear Feet

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	3/4" 9.5mm HMA Leveling Course	120.00	TN	\$ 85.00	\$ 10,200.00
1.2	1 1/4" 9.5 mm HMA Surface Course w/ Butt Joints & Bit Tack	200.00	TN	\$ 85.00	\$ 17,000.00
3.0	Structures & Misc. Items				
3.2	Catch Basin Frames & Covers	6.00	EA	\$ 250.00	\$ 1,500.00
3.3	Traffic Control	1.00	LS	\$ 500.00	\$ 500.00
	Contingency	10%			\$ 2,920.00
Total Cost					\$ 32,120.00

\$ 27,200.00

	Shim	Surface
Length	1,200.00	1,200.00
Width	22.00	22.00
SY	2,933.33	2,933.33
HMA	0.75	1.25
	121.00	201.67

Town of Orono
Public Works Department

Cost Estimate

Sunrise Terrace

Approximately 1,100 Linear Feet

	Shim	Surface
Length	1,200.00	1,200.00
Width	22.00	22.00
SY	2,933.33	2,933.33
HMA	0.75	1.25
	121.00	201.67

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	3/4" 9.5mm HMA Leveling Course	120.00	TN	\$ 85.00	\$ 10,200.00
1.2	1 1/4" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	200.00	TN	\$ 85.00	\$ 17,000.00
3.0	Structures & Misc. Items				
3.2	Catch Basin Frames & Covers	6.00	EA	\$ 250.00	\$ 1,500.00
3.3	Traffic Control	1.00	LS	\$ 500.00	\$ 500.00
	Contingency	10%			\$ 2,920.00
Total Cost					\$ 32,120.00

\$ 27,200.00

Town of Orono
Public Works Department

Cost Estimate

	Shim	Surface	Sidewalk
Length	1,400.00	1,400.00	1,400.00
Width	22.00	22.00	6.00
SY	3,422.22	3,422.22	933.33
HMA	0.75	1.25	3.00
	141.17	235.28	154.00

Noyes Drive Paving & Sidewalk Construction

Approximately 1,400 Linear Feet

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	3/4" 9.5mm HMA Leveling Course	140.00	TN	\$ 85.00	\$ 11,900.00
1.2	1 1/4" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	240.00	TN	\$ 85.00	\$ 20,400.00
2.0	Sidewalk Construction Items				
2.2	Gravel	450.00	CY	\$ 3.00	\$ 1,350.00
2.3	Fine Grade	935.00	SY	\$ 4.00	\$ 3,740.00
2.4	2" HMA Sidewalk	150.00	TN	\$ 125.00	\$ 18,750.00
2.5	HMA Curb	1,400.00	LF	\$ 8.00	\$ 11,200.00
3.0	Structures & Misc. Items				
3.2	Catch Basin Frames & Covers Adjusted	6.00	EA	\$ 250.00	\$ 1,500.00
3.3	Traffic Control	1.00	LS	\$ 500.00	\$ 500.00
	Contingency	10%			\$ 6,934.00
	Total Cost				\$ 76,274.00

Town of Orono
Public Works Department

Cost Estimate

Noyes Drive Area Drainage Improvements

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0					
1.1	New Open Ditching	1,250.00	LFT	\$ 12.00	\$ 15,000.00
1.2	Closed Stormdrain	750.00	LFT	\$ 32.00	\$ 24,000.00
1.3	New Catch Basin Structure	6.00	EA	\$ 2,500.00	\$ 15,000.00
1.4	Bituminous Curb	1,500.00	LFT	\$ 12.00	\$ 18,000.00
1.5	Engineering & Survey	1.00	LS	\$ 2,500.00	\$ 2,500.00
	Contingency	5%			\$ 3,725.00
	Total Cost				\$ 78,225.00

Town of Orono
Public Works Department

Cost Estimate

College & Park Intersection

	Shim	Surface
Length	1,600.00	1,600.00
Width	12.00	12.00
SY	2,133.33	2,133.33
HMA	1.00	1.25
	117.33	146.67

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	2" Mill Existing Pavement	2,150.00	SY	\$ 4.50	\$ 9,675.00
1.3	1" 9.5mm HMA Leveling Course	115.00	TN	\$ 90.00	\$ 10,350.00
1.4	1.25" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	150.00	TN	\$ 95.00	\$ 14,250.00
3.0	Structures & Misc. Items				
3.11	Engineer	1.00	LS	\$ 11,000.00	\$ 11,000.00
3.12	New Controller & Cabinet	1.00	LS	\$ 40,000.00	\$ 40,000.00
3.1	Pavement Markings	1.00	LS	\$ 500.00	\$ 500.00
3.2	Catch Basin Frames & Covers	4.00	EA	\$ 400.00	\$ 1,600.00
3.2	Curb Repairs	1.00	LS	\$ 400.00	\$ 400.00
3.3	Video Detection	3.00	EA	\$ 6,000.00	\$ 18,000.00
3.4	Loam & Seed	1.00	LS	\$ 1,000.00	\$ 1,000.00
3.5	Traffic Control	1.00	LS	\$ 2,000.00	\$ 2,000.00
	Contingency	15%			\$ 14,865.00
Total Cost					\$ 123,640.00

Town of Orono
Public Works Department

Cost Estimate

College & Park Intersection

	Shim	Surface
Length	1,600.00	1,600.00
Width	12.00	12.00
SY	2,133.33	2,133.33
HMA	1.00	1.25
	117.33	146.67

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	2" Mill Existing Pavement	2,500.00	SY	\$ 4.50	\$ 11,250.00
1.3	1" 9.5mm HMA Leveling Course	115.00	TN	\$ 90.00	\$ 10,350.00
1.4	1.25" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	150.00	TN	\$ 95.00	\$ 14,250.00
3.0	Structures & Misc. Items				
3.11	Engineering	1.00	LS	\$ 11,000.00	\$ 11,000.00
3.12	New Controller & Cabinet	1.00	LS	\$ 40,000.00	\$ 40,000.00
3.1	Pavement Markings	1.00	LS	\$ 500.00	\$ 500.00
3.2	Catch Basin Frames & Covers	4.00	EA	\$ 400.00	\$ 1,600.00
3.2	Curb Repairs	1.00	LS	\$ 400.00	\$ 400.00
3.3	Video Detection	3.00	EA	\$ 6,000.00	\$ 18,000.00
3.4	Loam & Seed	1.00	LS	\$ 1,000.00	\$ 1,000.00
3.5	Traffic Control	1.00	LS	\$ 2,000.00	\$ 2,000.00
	Contingency	15%			\$ 14,865.00
	Project Cost				\$ 125,215.00
	Proposed Matching Funds	50%			\$ 62,607.50

MARGIN STREET INFRASTRUCTURE IMPROVEMENTS
UPDATED COST ESTIMATE

Quantity	Unit	Description	Unit Cost	Estimate	OPW Cost
1.00	LS	Traffic control @ \$5,000/LS	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00
1.00	LS	Remove pipes & culverts @ \$5,000/LS	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
2.00	EA	Remove manholes & catch basins @ \$500/EA	\$ 500.00	\$ 1,000.00	\$ 1,000.00
15.00	EA	Test pits @ \$300/EA	\$ 300.00	\$ 4,500.00	\$ 4,500.00
100.00	CY	Excavation & replacement of unsuitable fill @ \$20/CY	\$ 20.00	\$ 2,000.00	\$ 2,000.00
100.00	CY	Rip rap @ \$50/CY	\$ 50.00	\$ 5,000.00	\$ 5,000.00
1.00	LS	Temporary erosion control @ \$2,000/LS	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00
1.00	EA	At grade water service relocation @ \$500/EA	\$ 500.00	\$ 500.00	\$ 500.00
40.00	LF	10"Ø DI water main relocation @ \$100/LF	\$ 100.00	\$ 4,000.00	\$ 4,000.00
2.00	EA	10"Ø wedge valves @ \$3,000/EA	\$ 3,000.00	\$ 6,000.00	\$ 6,000.00
1.00	LS	Temporary water @ \$6,000/LS	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00
30.00	LF	12"Ø SICPE storm drain @ \$60/LF	\$ 60.00	\$ 1,800.00	\$ 1,800.00
40.00	LF	30"Ø SICPE storm drain @ \$105/LF	\$ 105.00	\$ 4,200.00	\$ 4,200.00
80.00	LF	36"Ø SICPE storm drain @ \$115/LF	\$ 115.00	\$ 9,200.00	\$ 9,200.00
76.00	LF	34"Ø DR 17 HDPE rock drain slip lining @ \$72.5/LF	\$ 725.00	\$ 55,100.00	\$ 55,100.00
2.00	EA	5'Ø precast drain manholes @ \$6000/EA	\$ 6,000.00	\$ 12,000.00	\$ 12,000.00
1.00	EA	4'Ø precast catch basin @ \$3000/EA	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00
1.00	EA	8'Ø precast catch basin @ \$10,000/EA	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
1,400.00	SF	2" rigid insulation @ \$2/SF	\$ 2.00	\$ 2,800.00	\$ 2,800.00
1.00	LS	Owner's testing allowance @ \$1,000/LS	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00
		Subtotal		\$ 137,600.00	\$ 137,600.00
		Ledge removal allowance		\$ 10,000.00	\$ 10,000.00
		Railroad fee allowance		\$ 10,000.00	\$ 10,000.00
		Contingency allowance		\$ 5,812.50	\$ 5,812.50
		Construction Administration and Inspection Estimate		\$ 12,500.00	\$ 12,500.00
				\$ 175,912.50	\$ 175,912.50

BUDGET

\$ 175,000.00

Town of Orono
Public Works Department

Cost Estimate

Sunset Dr Overlay & Drainage Improvements

Approximately 1,250 Linear Feet

	Shim	Surface
Length	1,250.00	1,250.00
Width	22.00	22.00
SY	3,055.56	3,055.56
HMA	0.75	1.25
	126.04	210.07

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	3/4" 9.5mm HMA Leveling Course	125.00	TN	\$ 90.00	\$ 11,250.00
1.2	1 1/4" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	225.00	TN	\$ 95.00	\$ 21,375.00
3.0	Structures & Misc. Items				
3.2	Ditch Excavation	1,000.00	LF	\$ 5.00	\$ 5,000.00
3.3	Traffic Control	1.00	LS	\$ 500.00	\$ 500.00
	Contingency	10%			\$ 3,812.50
Total Cost					\$ 41,937.50

Town of Orono
 Public Works Department
 Cost Estimate -- Mill Street Area

HMA	
Length	200.00
Width	300.00
SY	6,666.67
HMA	2.00
	733.33

Mill & Pine Parking Area

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	Engineering	1	LS	\$ 5,000.00	\$ 5,000.00
1.2	2" Shim & Overlay 9.5 mm HMA Pavement w/ Butt Joints & Bit. Tack	740.00	TN	\$ 90.00	\$ 66,600.00
1.3	Reset Existing Granite Curbing, Replace Broken Pieces	1,800.00	LF	\$ 16.00	\$ 28,800.00
3.0	Structures & Misc. Items				
3.1	Pavement Markings	1.00	LS	\$ 2,500.00	\$ 2,500.00
3.2	Catch Basin Frames & Covers	6.00	EA	\$ 250.00	\$ 1,500.00
3.3	Stormwater Filtration Structures	6.00	EA	\$ 3,500.00	\$ 21,000.00
3.4	Storm Sewer Pipe	1,100.00	LF	\$ 25.00	\$ 27,500.00
3.3	Traffic Control	1.00	LS	\$ 500.00	\$ 500.00
	Contingency	10%			\$ 14,840.00
Total Cost					\$ 168,240.00

Town of Orono
Public Works Department

Cost Estimate

Washburn Overlay

Approximately 1,200 Linear Feet

	Shim	Surface
Length	1,200.00	1,200.00
Width	24.00	24.00
SY	3,200.00	3,200.00
HMA	0.75	1.25
	132.00	220.00

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	3/4" 9.5mm HMA Leveling Course	135.00	TN	\$ 90.00	\$ 12,150.00
1.2	1 1/4" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	220.00	TN	\$ 95.00	\$ 20,900.00
3.0	Structures & Misc. Items				
3.3	Traffic Control	1.00	LS	\$ 500.00	\$ 500.00
	Contingency	10%			\$ 3,355.00
Total Cost					\$ 36,905.00

Town of Orono
Public Works Department

Cost Estimate

College Ave Sidewalk Retaining Wall

Sidewalk	
Length	250.00
Width	6.00
SY	166.67
HMA	4.00
	36.67

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
2.0	Sidewalk Construction Items				
2.1	1.5" HMA Sidewalk	40.00	TN	\$ 200.00	\$ 8,000.00
2.2	Construct Retaining Wall	1.00	LS	\$ 45,000.00	\$ 45,000.00
	Contingency	20%			\$ 10,600.00
Total Cost					\$ 63,600.00

Town of Orono
Public Works Department

Cost Estimate

Crosby St -- Peters to Park

Approximately 1,350 Linear Feet

	Binder	Surface
Length	1,350.00	1,350.00
Width	24.00	24.00
SY	3,600.00	3,600.00
HMA	2.00	1.25
	396.00	247.50

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	Reclaim Existing Pavement	3,600.00	SY	\$ 2.25	\$ 8,100.00
1.2	Fine Grade	3,600.00	SY	\$ 1.00	\$ 3,600.00
1.3	2" 19.0 mm HMA Binder Course	400.00	TN	\$ 90.00	\$ 36,000.00
1.4	1.25" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	250.00	TN	\$ 95.00	\$ 23,750.00
1.5	Bituminous Curb	1,500.00	LF	\$ 9.00	\$ 13,500.00
3.0	Structures & Misc. Items				
3.1	Pavement Markings	1.00	LS	\$ -	\$ -
3.2	Catch Basin Frames & Covers	8.00	EA	\$ 250.00	\$ 2,000.00
3.3	Storm & Underdrain	2,700.00	LF	\$ 8.00	\$ 21,600.00
3.4	Loam & Seed	1.00	LS	\$ 1,000.00	\$ 1,000.00
3.5	Traffic Control	1.00	LS	\$ 2,000.00	\$ 2,000.00
	Contingency	15%			\$ 15,517.50
	Total Cost				\$ 127,067.50

Town of Orono
Public Works Department

Cost Estimate

Lower Middle Street Middle Street

Approximately 1200 Linear Feet

	Surface	Sidewalk
Length	1,200.00	1,200.00
Width	20.00	6.00
SY	2,666.67	800.00
HMA	1.50	2.00
	220.00	88.00

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.2	1 1/2" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	250.00	TN	\$ 95.00	\$ 23,750.00
2.0	Sidewalk Construction Items				
2.4	2" HMA Sidewalk	90.00	TN	\$ 150.00	\$ 13,500.00
2.5	HMA Curb	2,100.00	LF	\$ 8.00	\$ 16,800.00
	Contingency	10%			\$ 3,725.00
Total Cost					\$ 57,775.00

Town of Orono
Public Works Department

Cost Estimate

Kelly Road Extension

Approximately 1,000 Linear Feet

	Shim	Surface
Length	1,000.00	1,000.00
Width	22.00	22.00
SY	2,444.44	2,444.44
HMA	0.75	1.25
	100.83	168.06

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	3/4" 9.5mm HMA Leveling Course	110.00	TN	\$ 90.00	\$ 9,900.00
1.2	1 1/4" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	175.00	TN	\$ 95.00	\$ 16,625.00
3.0	Structures & Misc. Items				
3.2	Ditch Excavation	1,000.00	LF	\$ 5.00	\$ 5,000.00
3.3	Traffic Control	1.00	LS	\$ 500.00	\$ 500.00
	Contingency	10%			\$ 3,202.50
Total Cost					\$ 35,227.50

Town of Orono
Public Works Department

Cost Estimate

Penobscot St Overlay

Approximately 2,100 Linear Feet

	Shim	Surface
Length	2,100.00	2,100.00
Width	22.00	22.00
SY	5,133.33	5,133.33
HMA	0.75	1.25
	211.75	352.92

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	3/4" 9.5mm HMA Leveling Course	215.00	TN	\$ 90.00	\$ 19,350.00
1.2	1 1/4" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	350.00	TN	\$ 95.00	\$ 33,250.00
3.0	Structures & Misc. Items				
3.2	Catch Basin Frames & Covers	6.00	EA	\$ 250.00	\$ 1,500.00
3.3	Traffic Control	1.00	LS	\$ 500.00	\$ 500.00
	Contingency	10%			\$ 5,460.00
Total Cost					\$ 60,060.00

Town of Orono
Public Works Department

Cost Estimate

Main Street Sidewalk Overlay

Approximately 10,000 Linear Feet

Sidewalk	
Length	10,000.00
Width	6.00
SY	6,666.67
HMA	1.50
	550.00

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
2.0	Sidewalk Construction Items				
2.1	1.5" HMA Sidewalk	600.00	TN	\$ 150.00	\$ 90,000.00
2.2	HMA Curb	3,000.00	LF	\$ 8.00	\$ 24,000.00
	Contingency	10%			\$ 9,000.00
Total Cost					\$ 123,000.00

Town of Orono
Public Works Department

Cost Estimate

College Ave Sidewalk Overlay
Approximately 8,500 Linear Feet

Sidewalk	
Length	8,500.00
Width	6.00
SY	5,666.67
HMA	1.50
	467.50

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
2.0	Sidewalk Construction Items				
2.1	1.5" HMA Sidewalk	470.00	TN	\$ 150.00	\$ 70,500.00
2.2	HMA Curb	2,000.00	LF	\$ 8.00	\$ 16,000.00
	Contingency	10%			\$ 7,050.00
Total Cost					\$ 93,550.00

Town of Orono
Public Works Department

Cost Estimate

Hamlin Street & Mayo Drive Overlay

Approximately 1,200 Linear Feet

	Shim	Surface	Sidewalk
Length	1,200.00	1,200.00	1,200.00
Width	22.00	22.00	6.00
SY	2,933.33	2,933.33	800.00
HMA	0.75	1.25	3.00
	121.00	201.67	132.00

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	3/4" 9.5mm HMA Leveling Course	125.00	TN	\$ 90.00	\$ 11,250.00
1.2	1 1/4" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	210.00	TN	\$ 95.00	\$ 19,950.00
2.0	Sidewalk Construction Items				
2.2	Gravel	400.00	CY	\$ 3.00	\$ 1,200.00
2.3	Fine Grade	800.00	SY	\$ 4.00	\$ 3,200.00
2.4	2" HMA Sidewalk	135.00	TN	\$ 125.00	\$ 16,875.00
2.5	HMA Curb	1,200.00	LF	\$ 8.00	\$ 9,600.00
3.0	Structures & Misc. Items				
3.2	Catch Basin Frames & Covers	6.00	EA	\$ 250.00	\$ 1,500.00
3.3	Traffic Control	1.00	LS	\$ 500.00	\$ 500.00
	Contingency	10%			\$ 6,407.50
Total Cost					\$ 70,482.50

Town of Orono
Public Works Department

Cost Estimate

Gardener Rd Overlay & Drainage Improvements

	Shim	Surface	Binder
Length	1,750.00	3,450.00	1,850.00
Width	22.00	22.00	22.00
SY	4,277.78	8,433.33	4,522.22
HMA	0.75	1.25	2.00
	176.46	579.79	497.44

Approximately 3,435 Linear Feet

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	3/4" 9.5mm HMA Leveling Course	175.00	TN	\$ 90.00	\$ 15,750.00
1.2	1 1/4" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	300.00	TN	\$ 95.00	\$ 28,500.00
1.3	2" 19.0mm HMA Binder Course	500.00	TN	\$ 85.00	\$ 42,500.00
1.4	Fine Grade Existing Gravel	4,550.00	SY	\$ 1.25	\$ 5,687.50
3.0	Structures & Misc. Items				
3.2	Ditch Excavation	1,000.00	LF	\$ 5.00	\$ 5,000.00
3.3	Traffic Control	1.00	LS	\$ 500.00	\$ 500.00
	Contingency	10%			\$ 9,793.75
Total Cost					\$ 107,731.25

Town of Orono
Public Works Department

Cost Estimate

North Main St -- Pond to College Ave.

Approximately 1,875 Linear Feet

	Binder	Surface	Sidewalk
Length	1,875.00	1,875.00	1,875.00
Width	24.00	24.00	6.00
SY	5,000.00	5,000.00	1,250.00
HMA	2.00	1.25	2.00
	550.00	343.75	137.50

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	Mill Existing Pavement	5,000.00	SY	\$ 6.00	\$ 30,000.00
1.2	12" Gravel + 6" Screened Millings	5,000.00	SY	\$ 6.00	\$ 30,000.00
1.3	Fine Grade	5,000.00	SY	\$ 1.00	\$ 5,000.00
1.3	2" 19.0 mm HMA Binder Course	550.00	TN	\$ 90.00	\$ 49,500.00
1.4	1.25" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	350.00	TN	\$ 95.00	\$ 33,250.00
2.0	Sidewalk Construction Items				\$ 147,750.00
2.1	Removal of Existing Sidewalk	1,875.00	FT	\$ 12.85	\$ 24,093.75
2.2	Bituminous Curb	1,875.00	FT	\$ 9.00	\$ 16,875.00
2.5	2" HMA 6' Sidewalk	135.00	TN	\$ 150.00	\$ 20,250.00
3.0	Structures & Misc. Items				\$ 61,218.75
3.1	Pavement Markings	1.00	LS	\$ -	\$ -
3.2	Catch Basin Frames & Covers	10.00	EA	\$ 400.00	\$ 4,000.00
3.3	Loam & Seed	1.00	LS	\$ 1,000.00	\$ 1,000.00
3.4	Traffic Control	1.00	LS	\$ 2,000.00	\$ 2,000.00
	Contingency	15%			\$ 27,895.31
Total Cost					\$ 243,864.06

Town of Orono
Public Works Department

Cost Estimate

Juniper & Myrtle Street

Approximately 1,000 Linear Feet

	Shim	Surface	Sidewalk
Length	1,000.00	1,000.00	1,000.00
Width	22.00	22.00	6.00
SY	2,444.44	2,444.44	666.67
HMA	0.75	1.25	3.00
	100.83	168.06	110.00

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	3/4" 9.5mm HMA Leveling Course	100.00	TN	\$ 90.00	\$ 9,000.00
1.2	1 1/4" 9.5 mm HMA Surface Course w/ Butt Joints & Bit. Tack	175.00	TN	\$ 95.00	\$ 16,625.00
2.0	Sidewalk Construction Items				
2.2	Gravel	350.00	CY	\$ 3.00	\$ 1,050.00
2.3	Fine Grade	700.00	SY	\$ 4.00	\$ 2,800.00
2.4	3" HMA Sidewalk	110.00	TN	\$ 125.00	\$ 13,750.00
2.5	HMA Curb	1,000.00	LF	\$ 8.00	\$ 8,000.00
3.0	Structures & Misc. Items				
3.2	Catch Basin Frames & Covers	6.00	EA	\$ 250.00	\$ 1,500.00
3.3	Traffic Control	1.00	LS	\$ 500.00	\$ 500.00
	Contingency	10%			\$ 5,322.50
Total Cost					\$ 58,547.50

Town of Orono
Public Works Department

Cost Estimate -- Mill Street Area

	Shim	Surface	Sidewalk
Length	1,500.00	1,500.00	1,500.00
Width	30.00	30.00	6.00
SY	5,000.00	5,000.00	1,000.00
HMA	0.75	1.25	3.00
	206.25	343.75	165.00

Mill & Water St -- Pleasant to Broadway

Approximately 1,200 Linear Feet

Item #	Item Description	Quantity	Unit	Unit Cost	Extended Cost
1.0	Roadway Construction Items				
1.1	3/4" 9.5mm HMA Leveling Course	210.00	TN	\$ 90.00	\$ 18,900.00
1.2	1 1/4" 9.5 mm HMA Surface Course w/ Butt Joints & Bit Tack	345.00	TN	\$ 95.00	\$ 32,775.00
2.0	Sidewalk Construction Items				
2.1	Removal of Existing Sidewalk	450.00	FT	\$ 12.85	\$ 5,782.50
2.2	Slipform Concrete Curb	2,800.00	FT	\$ 12.00	\$ 33,600.00
2.3	Construct Sidewalk Base	450.00	FT	\$ 16.85	\$ 7,582.50
2.4	Asphalt Sidewalk	165.00	FT	\$ 125.00	\$ 20,625.00
3.0	Structures & Misc. Items				
3.1	Pavement Markings	1.00	LS	\$ 1,250.00	\$ 1,250.00
3.2	Catch Basin Frames & Covers	12.00	EA	\$ 250.00	\$ 3,000.00
3.3	Traffic Control	1.00	LS	\$ 4,500.00	\$ 4,500.00
	Contingency	10%			\$ 12,801.50
Total Cost					\$ 140,816.50

Capital Improvement Plan Request

Department: Fire

Division: EMS

Fiscal Year for Project/Item for Purchase: 2012-2013

Project/Item for Purchase (detail): New Ambulance

Reason for Project/Item for Purchase (detail): This new ambulance will replace a 1995 ambulance that is in service in Veazle. We have had some maintenance issues with teh old truck, and some body work issues.

New:

Replacement: Yes

If this is a replacement, what will it replace? A 1995 Ford PL Custom Ambulance

If this is a new, why is it needed/what department goal will it support?

Can this project/purchase be shared between more than one department or entity?

May lease purchase

Cost in today's dollars: \$155,000

Cost in future dollars: \$160,000

Sources of Funding:

Local Funding %: 100%

Local Funding Amount: \$155,000

Other Funding %:

Other Funding Amount

Other Funding %:

Other Funding Amount:

Capital Improvement Plan Request

Department: Fire

Division: EMS

Fiscal Year for Project/Item for Purchase: 2012-2013

Project/Item for Purchase (detail): Life Pak 15

Reason for Project/Item for Purchase (detail): This will replace an older Life Pak that we have in service. This is the newest technology and the maintenance support for the older models is going away.

New:

Replacement: Yes

If this is a replacement, what will it replace? This will replace an old Life Pak 12

If this is a new, why is it needed/what department goal will it support?

Can this project/purchase be shared between more than one department or entity? n/a

May lease Purchase

Cost in today's dollars: \$27,000

Cost in future dollars: \$30,000

Sources of Funding:

Local Funding %: 100%

Local Funding Amount: \$27,000

Other Funding %:

Other Funding Amount

Other Funding %:

Other Funding Amount:

Capital Improvement Plan Request

Department: Fire

Division: EMS

Fiscal Year for Project/Item for Purchase: 2012-2013

Project/Item for Purchase (detail): Two Power Cots

Reason for Project/Item for Purchase (detail): To prevent work place injuries
and lift larger patients

New:

Replacement: Replace reg. stretchers

If this is a replacement, what will it replace?

If this is a new, why is it needed/what department goal will it support?

To prevent work place lifting injuries

Can this project/purchase be shared between more than one department
or entity?

No

Cost in today's dollars: \$30,000

Cost in future dollars:

Sources of Funding: EMS Reserve (100%)

Local Funding %:

Local Funding Amount:

Other Funding %:

Other Funding Amount

Other Funding %:

Other Funding Amount:

Capital Improvement Plan Request

Department: Fire

Division:

Fiscal Year for Project/Item for Purchase: 2013-2014

Project/Item for Purchase (detail): Replace our structural fire engine

Reason for Project/Item for Purchase (detail): This unit is 20 years old. It has body and frame issues. We only use this as a 2nd line piece of equipment. The new truck will meet all the new safety standards from NFPA

New: Replacement: Yes

If this is a replacement, what will it replace? A 1992 Pierce Fire Engine

If this is a new, why is it needed/what department goal will it support?

Can this project/purchase be shared between more than one department or entity? N/A

May lease Purchase

Cost in today's dollars: \$400,000

Cost in future dollars: \$450,000

Sources of Funding: We have applied for a Fire Act Grant to replace this truck

Local Funding %: 100%

Local Funding Amount: \$400,000

Other Funding %:

Other Funding Amount

Other Funding %:

Other Funding Amount:

Capital Improvement Plan Request

Department: Fire Division: EMS

Fiscal Year for Project/Item for Purchase: 2014-2015

Project/Item for Purchase (detail): Replace Life Pak 12

Reason for Project/Item for Purchase (detail): Replace old out dated equipment

New: Replacement: Yes

If this is a replacement, what will it replace? Replace old unit that we can no longer get service on. Updated technology

If this is a new, why is it needed/what department goal will it support?

Can this project/purchase be shared between more than one department or entity? N/A

May lease purchase

Cost in today's dollars: \$30,000

Cost in future dollars:

Sources of Funding:

Local Funding %: 100%

Local Funding Amount: 30,000

Other Funding %:

Other Funding Amount

Other Funding %:

Other Funding Amount:

Capital Improvement Plan Request

Department: Fire

Division:

Fiscal Year for Project/Item for Purchase: 2014-2015

Project/Item for Purchase (detail): Fire hose

1,000	Feet 1 ¾	\$4,500.00
1,000	Feet 2 ½	\$5,000.00
1,000	Feet 4 inch	\$5,500.00

Reason for Project/Item for Purchase (detail): Replace old fire hose that did not pas yearly test. We are required by NFPA to test hose once a year. ISO Requirement

New: Replacement: Yes

If this is a replacement, what will it replace? Old hose

If this is a new, why is it needed/what department goal will it support?

Can this project/purchase be shared between more than one department or entity? N/A

Cost in today's dollars: \$15,000

Cost in future dollars: \$15,000

Sources of Funding:

Local Funding %: 100%

Local Funding Amount: \$15,000

Other Funding %:

Other Funding Amount

Other Funding %:

Other Funding Amount:

Capital Improvement Plan Request

Department: Fire Division: EMS

Fiscal Year for Project/Item for Purchase: 2015-2016

Project/Item for Purchase (detail): New ambulance

Reason for Project/Item for Purchase (detail): Replace a 2000 road rescue ambulance will be 15 years old. Maintenance issues will be a problem

New: Replacement: Yes

If this is a replacement, what will it replace? Replace a 2000 Road Rescue Ambulance. This ambulance will be 15 years old. Repair issues and reliability

If this is a new, why is it needed/what department goal will it support?

Can this project/purchase be shared between more than one department or entity? No

May lease purchase

Cost in today's dollars: ~~\$175,000~~ \$155,000 Cost in future dollars:

Sources of Funding:

Local Funding %: 100%

Local Funding Amount:

Other Funding %:

Other Funding Amount

Other Funding %:

Other Funding Amount:

Capital Improvement Plan Request

Department: Fire

Division:

Fiscal Year for Project/Item for Purchase: 2015-2016

Project/Item for Purchase (detail): Replace 8 new SCBA's

Reason for Project/Item for Purchase (detail): upgrade

New:

Replacement: Yes

If this is a replacement, what will it replace? 8 Old SCBA's

If this is a new, why is it needed/what department goal will it support?

Can this project/purchase be shared between more than one department or entity? n/a

Cost in today's dollars: \$50,000

Cost in future dollars:

Sources of Funding:

Local Funding %:

Local Funding Amount:

Other Funding %:

Other Funding Amount

Other Funding %:

Other Funding Amount:

Capital Improvement Plan Request

Department: Fire

Division:

Fiscal Year for Project/Item for Purchase: 2016-2017

Project/Item for Purchase (detail): Replace Chief's Car

Reason for Project/Item for Purchase (detail):

New:

Replacement: Yes

If this is a replacement, what will it replace? 2000 Ford Escape

If this is a new, why is it needed/what department goal will it support?

Can this project/purchase be shared between more than one department or entity?

Cost in today's dollars: \$25,000

Cost in future dollars:

Sources of Funding:

Local Funding %:

Local Funding Amount:

Other Funding %:

Other Funding Amount

Other Funding %:

Other Funding Amount:

Capital Improvement Plan Request

Department: Fire

Division:

Fiscal Year for Project/Item for Purchase: 2016-2017

Project/Item for Purchase (detail): Upgrade our SCBA's – 7 paks

Reason for Project/Item for Purchase (detail): Upgrade our Air Paks

New:

Replacement: Yes

If this is a replacement, what will it replace? Will replace 7 old ones

If this is a new, why is it needed/what department goal will it support?

Can this project/purchase be shared between more than one department or entity? n/a

Cost in today's dollars: \$50,000

Cost in future dollars:

Sources of Funding:

Local Funding %:

Local Funding Amount:

Other Funding %:

Other Funding Amount

Other Funding %:

Other Funding Amount:

Capital Improvement Plan
Request

Department: Police Division: Public Safety

Fiscal Year for Project/Item for Purchase: 2012/2013

Project/Item for Purchase (detail): Item for purchase is a new police cruiser
Cost includes transfer/replacement of related equipment
and vehicle graphics

Reason for Project/Item for Purchase (detail):

To enable the department to maintain the
overall quality and dependability of the fleet

New: _____ Replacement: _____

If this is a replacement, what will it replace:

Vehicles that are beyond the expected life span
for emergency response services

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity:

No

Cost in today's dollars: \$30,000

Sources of Funding:

Local Funding %: 100%
Other Funding %: _____
Other Funding %: _____

Local Funding Amount: \$30,000
Other Funding Amount: _____
Other Funding Amount: _____

Capital Improvement Plan
Request

Department: Police Division: Public Safety

Fiscal Year for Project/Item for Purchase: 2012/2013

Project/Item for Purchase (detail): Item for purchase is
(3) three ICOP in-car cameras

Reason for Project/Item for Purchase (detail):

To enable the department to maintain the
overall quality and dependability of the in-car
video recording system

New: _____ Replacement: X

If this is a replacement, what will it replace:

Cameras that have exceeded their
expected life span and are beyond repair

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity:

No

Cost in today's dollars:

Sources of Funding:

Local Funding %: 100%
Other Funding %: _____
Other Funding %: _____

Local Funding Amount: \$12,000
Other Funding Amount: _____
Other Funding Amount: _____

TOWN OF ORONO
CAPITAL BUDGET PLANNING FORM

DEPARTMENT: Police

FISCAL YEAR: 2014/2015

PROJECT: Purchase firearms

APPROXIMATE COST: \$10,000

FUNDING SOURCE(S): Local - 100%

WRITTEN JUSTIFICATION (provide specific, detailed information):

To replace firearms that are beyond
their expected life span. Cost also includes
replacement of holsters and magazine holders.

**Capital Improvement Plan
Request**

Department: Public Works

Division: Equipment

Fiscal Year for Project/Item for Purchase: 2012-13

Project/Item for Purchase (detail): 10 – Wheeler Heavy Duty Dump Truck

Reason for Project/Item for Purchase (detail): A three axle truck that would be set up to be outfitted with a 12 yard sander body and plow.

New: \ _____ **Replacement:** _____ X _____

If this is a replacement, what will it replace: This will replace a similar truck that will be 10 years old and nearing 80,000 miles and 7,000 hours. This truck should bring some value in trade toward a new truck (approximately \$30,000) and will be at the tipping point where maintenance and repairs begin to become expensive.

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity: No

Cost in today's dollars: \$100,000 **Cost in future dollars:** \$ 100,000 in 2012

Sources of Funding:

Local Funding %: 100 _____

Local Funding Amount: \$100,000 _____

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Public Works

Division: Equipment

Fiscal Year for Project/Item for Purchase: 2012-13

Project/Item for Purchase (detail): 14 cy Sander Dump Body and 11' Quick Switch Plow and Wing for 10 – Wheeler Truck

Reason for Project/Item for Purchase (detail): Dump body/sander system with computerized distribution system for sand and salt. Plow and Wing system with in- cab controls and quick switch plow to replace existing.

New: _____ **Replacement:** _____ X _____

If this is a replacement, what will it replace: This will replace the existing system purchased in 2002 along with the truck scheduled to be replaced.

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity: No

Cost in today's dollars: \$75,000 **Cost in future dollars:** \$ 75,000 in 2012

Sources of Funding:

Local Funding %: 100 _____

Local Funding Amount: \$75,000 _____

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Public Works

Division: Equipment

Fiscal Year for Project/Item for Purchase: 2012-13

Project/Item for Purchase (detail): Paving Equipment. A one-ton vibrator articulating double drum roller and a curb machine.

Reason for Project/Item for Purchase (detail): This equipment would replace obsolete equipment that the Town has owned for many years. As the Public Works department moves toward self performing small patches and sidewalk paving, an upgrade of this equipment is necessary for safety, efficiency, and quality of work. The roller would be used for patches and sidewalk construction, used to compact hot asphalt as well as base gravel. The curb machine would be used to construct new curb, repair old curbs and help with construction of sidewalks. This machine would be capable of placing bituminous curb as well as extruded concrete curbs.

New: _____ **Replacement:** _____ X _____

If this is a replacement, what will it replace: Replacing equipment from many years ago. No good way to identify how old it is, though it is reported that the curb machine could be as old as 40 years old.

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity: Parks and Rec, Cemetery – the roller could be used to roll grass fields

Cost in today's dollars: \$ 25,000

Cost in future dollars: \$ 25,000

Sources of Funding:

Local Funding %: 100 _____

Local Funding Amount: \$ 25,000 _____

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Public Works

Division: Equipment

Fiscal Year for Project/Item for Purchase: 2013-14

Project/Item for Purchase (detail): Regular Cab 4 X 4 Medium Duty Truck Chassis

Reason for Project/Item for Purchase (detail): This truck will be used as a four season work vehicle used for plowing and on construction projects. It will be used as a support plow for the side streets and cul-de-sacs during snow storms, used as a construction vehicle during the summer months hauling equipment, materials, and personnel to projects. The medium duty truck is a key part of our fleet to continue to provide the high level of service delivered by our department.

New: _____ **Replacement:** _____X_____

If this is a replacement, what will it replace: This truck will replace our 2004 Medium Duty GMC 5500 truck that in 2011 had logged 62,000 miles.

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity: This vehicle could be scheduled to be available to any department that has a need for it.

Cost in today's dollars: \$80,000 **Cost in future dollars:** \$80,000

Sources of Funding:

Local Funding %: 100 _____

Local Funding Amount: \$ 80,000 _____

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Public Works

Division: Equipment

Fiscal Year for Project/Item for Purchase: 2013-14

Project/Item for Purchase (detail): Sander Dump Body and Quick Switch Plow and Wing for a medium duty truck

Reason for Project/Item for Purchase (detail): Dump body/sander system with a built in distribution system for sand and salt. Plow and Wing system with in- cab controls and quick switch plow to replace existing. The dump body would serve as a distribution system replacing the existing hopper sander that is over 20 years old as well as a standard dump body to haul materials.

New: _____ **Replacement:** _____ X _____

If this is a replacement, what will it replace: This will replace and upgrade the existing system purchased in 2004.

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity: No

Cost in today's dollars: \$50,000 **Cost in future dollars:** \$ 50,000 in 2013

Sources of Funding:

Local Funding %: 100 _____

Local Funding Amount: \$50,000 _____

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Public Works

Division: Equipment

Fiscal Year for Project/Item for Purchase: 2013-14

Project/Item for Purchase (detail): Regular Cab 4 X 4 Pick up w/ Plow

Reason for Project/Item for Purchase (detail): This truck will be used as a four season transportation and work vehicle with the intention of updating an aging fleet.

New: _____ **Replacement:** _____ X _____

If this is a replacement, what will it replace: This truck will replace our 2005 pickup that has been used as the foreman's primary vehicle. This vehicle had 120,000 miles on it in 2011.

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity: This vehicle could be scheduled to be available to any department that has a need for it.

Cost in today's dollars: \$30,000 **Cost in future dollars:** \$30,000

Sources of Funding:

Local Funding %: 100 _____

Local Funding Amount: \$ 30,000 _____

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Public Works

Division: Equipment

Fiscal Year for Project/Item for Purchase: 2014-15

Project/Item for Purchase (detail): Vacuum Street Sweeper Truck

Reason for Project/Item for Purchase (detail): Vacuum Type Sweeper for cleaning roads and maintaining storm drains. From cleaning up winter sand to maintenance of our drainage system and MS4 compliance to general Town appearance, this piece of equipment is integral part of Public Works operations. It is operated in some capacity nearly every day during the spring, summer and fall seasons. This Machine will replace an existing vacuum purchased in 1997 that needs replacement.

New: _____ **Replacement:** _____ X _____

If this is a replacement, what will it replace: This will replace the existing sweeper.

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity: No

Cost in today's dollars: \$225,000 **Cost in future dollars:** \$ 250,000 in 2014

Sources of Funding:

Local Funding %: 100 _____	Local Funding Amount: \$250,000 _____
Other Funding %: _____	Other Funding Amount: _____
Other Funding %: _____	Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Public Works

Division: Equipment

Fiscal Year for Project/Item for Purchase: 2015-16

Project/Item for Purchase (detail): Front End Loader

Reason for Project/Item for Purchase (detail): This front end loader will replace our Cat 928G 1999 loader. This equipment is used year round for handling materials in the yard, screening sand and gravel, and moving snow.

New: _____ **Replacement:** _____X_____

If this is a replacement, what will it replace: This will replace the existing Cat 928G 1999 front end loader.

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity: No

Cost in today's dollars: \$200,000 **Cost in future dollars:** \$ 250,000 in 2015

Sources of Funding:

Local Funding %: 100 _____

Local Funding Amount: \$250,000 _____

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Public Works

Division: Equipment

Fiscal Year for Project/Item for Purchase: 2016-17

Project/Item for Purchase (detail): 10 – Wheeler Heavy Duty Dump Truck

Reason for Project/Item for Purchase (detail): A three axle truck that would be set up to be outfitted with a 12 yard sander body and plow.

New: _____ **Replacement:** _____X_____

If this is a replacement, what will it replace: This will replace a similar truck that will be over 10 years old and nearing 80,000 miles and 7,000 hours. This truck should bring some value in trade toward a new truck (approximately \$30,000) and will be at the tipping point where maintenance and repairs begin to become expensive.

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity: No

Cost in today's dollars: \$100,000 **Cost in future dollars:** \$ 125,000 in 2016

Sources of Funding:

Local Funding %: 100 _____

Local Funding Amount: \$125,000 _____

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Public Works

Division: Equipment

Fiscal Year for Project/Item for Purchase: 2016-17

Project/Item for Purchase (detail): 14 cy Sander Dump Body and 11' Quick Switch Plow and Wing for 10 – Wheeler Truck

Reason for Project/Item for Purchase (detail): Dump body/sander system with computerized distribution system for sand and salt. Plow and Wing system with in- cab controls and quick switch plow to replace existing.

New: _____ **Replacement:** _____X_____

If this is a replacement, what will it replace: This will replace the existing system purchased in 2005 along with the truck scheduled to be replaced.

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity: No

Cost in today's dollars: \$75,000 **Cost in future dollars:** \$ 85,000 in 2016

Sources of Funding:

Local Funding %: 100 _____	Local Funding Amount: \$85,000 _____
Other Funding %: _____	Other Funding Amount: _____
Other Funding %: _____	Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Public Works

Fiscal Year for Project/Item for Purchase: 2012-2013

Project/Item for Purchase (detail): Public Works Facility Construction

Reason for Project/Item for Purchase (detail):

In FY2012, Council approved a capital expenditure for technical assistance developing the conceptual space plan, identifying appropriate site location, and projecting costs for the construction of a Public Works Facility. The report, which was delivered to the Council Operations Committee in January, 2012 confirmed that the current facility, which includes an 8,000 square foot building on approximately 3.5 acres of land, is significantly undersized for the Public Works Department's activity. The conceptual space program needs identified by the architect and engineer require a building of approximately 16,000 square feet, salt/sand storage shed with 4,000 cubic yards of capacity, and minimum 7 acre parcel of land.

Based upon the conceptual design and not including any land acquisition expense, the projected cost to construct the garage, salt/sand storage, fuel depot, and site are:

Fleet Maintenance Building.....	\$2,297,018
Sand Salt Building	560,000
Site Development Costs.....	1,100,000
Furniture, Fixtures, & Equipment.....	<u>791,400</u>
Total Construction	\$4,748,418
Land Acquisition & Contingency	<u>311,582</u>
	\$5,060,000

Funding:

Bond/Borrowing (90%)	\$4,560,000
Public Works Garage Reserve (10%)	\$500,000

Assuming the borrowing projected over 28 years at an interest rate of 3.75%, the annual debt payment would be approximately \$270,000. The revenue for the debt repayment would be borne by the property tax at a rate of 0.000654 or \$0.65/\$1,000 in taxable valuation. A taxpayer with \$150,000 of taxable valuation would pay \$97.50 in property taxes the first year of repayment. As the Town retires general fund debt, impact of total debt will decrease in Year Six to \$0.11/\$1,000 or \$16.50 in taxes for a taxpayer with \$150,000 in taxable valuation.

**Capital Improvement Plan
Request**

Department: Parks and Recreation **Division:** Keith Anderson Community House

Fiscal Year for Project/Item for Purchase: 2012-13

Project/Item for Purchase (detail):

Conversion of current furnace to allow the connection and use of natural gas as a heating source

Reason for Project/Item for Purchase (detail):

The increase cost of heating oil and the instability of the market in the Middle East has made this proposal necessary

New: _____ **Replacement:** X

If this is a replacement, what will it replace:

Conversion and replacement of boiler parts in order to allow the connection and use of natural gas as a heating source for the Keith Anderson Community House

If this is new, why is it needed/what department goal will it support:

This project will provide a 2-3 year payback depending on the price of heating oil but more importantly it will eliminate the dependency of oil as a source of heat and provide some benefit to the environment.

Can this project/purchase be shared between more than one Department or entity: No

Cost in today's dollars: \$6,000

Sources of Funding:

Local Funding %: 100

Local Funding Amount: \$6,000

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Parks and Recreation

Division: KACH

Fiscal Year for Project/Item for Purchase: 2012-13 / Painting NW Side of KACH

Project/Item for Purchase (detail):

The painting of the buildings NW façade due to weather abuse

Reason for Project/Item for Purchase (detail):

The northwest side of the Keith Anderson Community House takes the majority of the weather conditions Maine has to offer. This backside of the building does not hold up to the elements Maine weather has to deliver.

New: _____

Replacement: X

If this is a replacement, what will it replace:

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity:

No

Cost in today's dollars: \$5,000

Sources of Funding:

Local Funding %: 100

Local Funding Amount: \$5,000

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Recreation

Division: Parks, Recreation and Facilities

Fiscal Year for Project/Item for Purchase: 2012-13

Project/Item for Purchase (detail): Nadeau-Savoy Park at Gould's Landing is due for a major facelift with new picnic tables, cooking grills, trash receptacles and boat docks

Reason for Project/Item for Purchase (detail): The Park has for more than 20 years been neglected in the sense of amenities. Trash receptacles have been passed down from other areas around Town and picnic tables have been repaired annually to the point new ones capable of handling Main's weather climate are necessary. The boat docks are more than 15 years old and in need of replacement. The cooking grills are rusted with holes in the bottom and do not hold the charcoal briquettes anymore.

New: _____ **Replacement:** X

If this is a replacement, what will it replace: This plan will replace all of the Park's amenities with newer materials and equipment.

If this is new, why is it needed/what department goal will it support: _____

Can this project/purchase be shared between more than one Department or entity: _____

Cost in today's dollars: \$8,000 **Cost in future dollars:** _____

Sources of Funding:

Local Funding %: 100

Local Funding Amount: \$8,000

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Recreation

Division: Parks, Recreation and Facilities

Fiscal Year for Project/Item for Purchase: 2012-13

Project/Item for Purchase (detail): Marden Park drainage

Reason for Project/Item for Purchase (detail): Marden Park located on corner of Crosby and Park Streets is utilized for baseball and occasionally softball games. The field has extremely poor drainage and is often unplayable due to this condition. The plan is to utilize local expertise with CES and Black Bear Landscaping to develop a plan to address this problem

New: X **Replacement:** _____

If this is a replacement, what will it replace: _____

If this is new, why is it needed/what department goal will it support: Addressing the drainage issue at Marden Park will increase the fields availability and allow youth teams improved access to the ballfield. This will also allow additional access by the general public for "free play"

Can this project/purchase be shared between more than one Department or entity: _____

Cost in today's dollars: \$10,000 **Cost in future dollars:** _____

Sources of Funding:

Local Funding %: 100	Local Funding Amount: \$10,000
Other Funding %: _____	Other Funding Amount: _____
Other Funding %: _____	Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Recreation

Division: Parks, Recreation and Facilities

Fiscal Year for Project/Item for Purchase: 2012-13

Project/Item for Purchase (detail):

Pool Building Roof Re-shingled

Reason for Project/Item for Purchase (detail):

The Pool Roof is the original (as far as I can tell by past records) constructed in 1980

New: _____ **Replacement:** X

If this is a replacement, what will it replace:

Replacement of roofing shingles and any necessary plywood sheathing

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity:

No

Cost in today's dollars: \$6,000

Sources of Funding:

Local Funding %: 100

Local Funding Amount: \$6,000

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: K A Community House

Division: Parks, Recreation and Facilities

Fiscal Year for Project/Item for Purchase: 2013-14

Project/Item for Purchase (detail):

Replacement of roofing

Reason for Project/Item for Purchase (detail):

The KACH Building in the review of experts is in need of replacement or it could experience leaks or weakening due to deterioration.

New: _____ **Replacement:** X

If this is a replacement, what will it replace:

Replaced of roofing shingles and underlayment as necessary

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity:

Cost in today's dollars: \$30,000

Sources of Funding:

Local Funding %: 100

Local Funding Amount: \$30,000

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Senior Center

Division: Parks, Recreation and Facilities

Fiscal Year for Project/Item for Purchase: 2015-16

Project/Item for Purchase (detail): Elevator for access to 2nd floor and basement of the Orono Senior Center

Reason for Project/Item for Purchase (detail): In order to comply with Public Facilities Accessibility ADA laws. This will bring this building in to compliance with regards to the Americans with Disability Act.

New: X

Replacement: _____

If this is a replacement, what will it replace: _____

If this is new, why is it needed/what department goal will it support: Accessibility for the 2nd floor has been an issue for some time, funding is a concern in today's financial climate. The Town as landlord of the facility needs to continue to pursue all possible avenues to create access for the entire building.

Can this project/purchase be shared between more than one Department or entity: _____

Cost in today's dollars: 120,000

Cost in future dollars: 150,000

Sources of Funding:

Local Funding %: 100

Local Funding Amount: \$120,000

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Municipal Building

Division: Parks, Recreation and Facilities

Fiscal Year for Project/Item for Purchase: 2012-13

Project/Item for Purchase (detail): Renovation of office and storage space within current Municipal Building to make more efficient use of area. This will include the re-location of Recreation Offices to Municipal Building and improvements to video room/ventilation

Reason for Project/Item for Purchase (detail): With the plans for developing the Katahdin site progressing forward the Tredwell Building site may be needed for site improvements.

New: X **Replacement:** _____

If this is a replacement, what will it replace: _____

If this is new, why is it needed/what department goal will it support: This project will aid the Town in moving forward with the development of the Katahdin site and its economic value to the area. The project will also create efficient use of the Town's current Municipal Building.

Can this project/purchase be shared between more than one Department or entity: _____

Cost in today's dollars: estimated at 10,000 **Cost in future dollars:** _____

Sources of Funding:

Local Funding %: 100
Other Funding %: _____
Other Funding %: _____

Local Funding Amount: \$10,000
Other Funding Amount: _____
Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Public Safety

Division:

Fiscal Year for Project/Item for Purchase: 2012 - 2013

Project/Item for Purchase (detail): Renovations in the Public Safety Building

Reason for Project/Item for Purchase (detail): Specifically, funds are requested for technical assistance in design/planning and construction costs to reconfigure space in the Police Department to allow for an employee break area as well as to paint and re-carpet Fire Department living quarters.

New: _____

Replacement: _____

Redesign/Capital Upkeep

If this is a replacement, what will it replace:

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity:

Cost in today's dollars: \$8,000

Sources of Funding:

Local Funding %: 100%

Local Funding Amount: \$8,000

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Public Safety Building

Division: Parks, Recreation and Facilities

Fiscal Year for Project/Item for Purchase: ~~2016-2017~~ 2013-2014

Project/Item for Purchase (detail):

Complete Roof Repair

Reason for Project/Item for Purchase (detail):

Current roof leaks due to ice build up in the winter. The plan is to try address the problem and to replace the shingles and install an ice shield

New: _____ **Replacement:** X

If this is a replacement, what will it replace:

Replaces the original roof

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity:

N/A

Cost in today's dollars:

\$35,000

Sources of Funding:

Local Funding %: 100

Local Funding Amount: \$35,000

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Municipal Building **Division:** Parks, Recreation and Facilities

Fiscal Year for Project/Item for Purchase: 201~~6~~-17 / Roof replacement

Project/Item for Purchase (detail):

Roof replacement of shingles on the Municipal Building

Reason for Project/Item for Purchase (detail):

The Municipal Building roof will be over 15 years old and will be up for replacement

New: _____ **Replacement:** X

If this is a replacement, what will it replace:

Replacement of roofing shingles

If this is new, why is it needed/what department goal will it support:

Can this project/purchase be shared between more than one Department or entity:

Cost in today's dollars: \$35,000

Sources of Funding:

Local Funding %: 100	Local Funding Amount: \$35,000
Other Funding %: _____	Other Funding Amount: _____
Other Funding %: _____	Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Economic Development

Fiscal Year for Project/Item for Purchase: 2012-2013; 2013-2014

Project/Item for Purchase (detail): Katahdin Redevelopment Project

Reason for Project/Item for Purchase (detail):

Moving forward with the Katahdin Redevelopment Project with the University Credit Union we expect to select an architect/engineer and begin design work for the parking facility in the last quarter of FY2012. The following outlines the projected activity and estimated associated costs projected for the project through completion:

	FY2013	FY2014	Total
Design (TIF)	\$60,000	\$22,000	\$82,000
Project Manager (TIF)	<u>\$20,000</u>	<u>\$35,000</u>	<u>\$55,000</u>
	\$80,000	\$57,000	\$137,000
Construction Costs (Bond):			
Parking Facility	45 Spaces Deck Surface @ \$12,000/space		\$528,000
	34 Spaces Underground @ \$20,000/space		<u>\$680,000</u>
			\$1,208,000
Plaza (50% Share)			\$200,000
Contingency (20%)			<u>\$281,600</u>
Total Parking & Plaza			\$1,689,600
Purchase 11 Main Street			\$250,000
Demolition of 11 Main Street and Treadwell Building			<u>\$50,000</u>
			<i>\$1,989,600</i>

**Estimates provided are based upon current conceptual designs. The architect/engineer will be hired and begin design work in the fourth quarter of FY2012. In FY2013 schematic drawings and a project budget will be provided to Council for its action.

Assuming a borrowing of \$2,000,000 over a 20 year period at an interest rate of 3.75%, the annual debt payment would be approximately \$143,000 beginning in FY2015. Staff projects that increased taxable valuation of at least \$6.5M within the Downtown TIF district from the planned project and the construction of a second powerhouse by Black Bear Hydro which will result in approximately \$140,000 additional TIF revenue. The additional revenue combined with decreased capital roads TIF expenses provides adequate funds (with approximately \$25,000 per year surplus) for bond repayments to be appropriated from the TIF account while continuing the shuttle bus and support for OVA/Town economic development initiatives.

Town of Orono
Wastewater Pollution
Control Facility

Capital Budget Request
2012-2013

Paul Wintle
Superintendent

		5-Year Capital Improvement Plan					
		2012-2013					
Projects	life	2012-2013	2013-2014	2014-2015	2015-2016	2017-2018	Financing
Treatment Plant							
Energy Conservation	25	10000					Capital Reserve
Headworks Air Heat Exchanger Project	15	12685					Grant+Cap. Resrv
5 Station Telephone System	15	2500					Capital Reserve
Bi-carb mixer	20	15000					"
Grout Selector Basin floor drains	50		13000				Cap. Reserve
Catwalk for Chlorine Contact Chamber	25			20000			"
Operations Building Roof Replacement				46850			"
Clarifier Sludge Level Monitors	15				16000		"
Aeration Basin Spray Header System/Pump	20					20000	"
	25						
		40185	13000	66850	16000	20000	
Sanitary Sewer Projects							
Reserve Fds							
University Place 900ft Insp./Design/Reline	50	49500					"
Summer St. 265ft Reline	50	14575					"
Smoke Test Kell Street Interceptor	50	2075					"
Sanitary Sewer Flow Evaluation							"
Collectors and Interceptors	50						"
Margin St./Island Av. Improvements	50	100000	250000				Reserve Fds
1000 ft University Interceptor Reline	50			100000			"
1000 ft Stillwater Interceptor Reline	50				100000		"
Crosby Street - North Manhole		5000					"
Charles St. Manhole	50	800					Operating Budget
Mill St. Manhole	50	800					"
Bennoch Road Crossing - Upsize 700 ft	50					320000	Reserve Fds
Total Est. Sewer Rehabilitation Cost		172750	250000	100000	100000	320000	
Equipment Replacement							
A Bank UV Lamp Replacement - 64+sleeves	5	18950					Equip. Reserve
B Bank UV Lamp Replacement - 64	5		18950				"
Sludge Truck	15						
Total Est. Equipment Replacement Cost		18950	18950	0	0	0	
Total Capital Improvement		231885	281950	166850	116000	340000	

Capital Improvement Plan Request
FY 2012-2013

Treatment Plant Projects

Energy Conservation	\$10,000
Headworks Air Heat Exchange	12,685
5 Station Telephone System	2,500
Bi-carb Mixer	<u>15,000</u>
	\$40,185

Sanitary Sewer Projects

University Place 900 ft. Reline	\$49,500
University Place Manhole	3,500
Summer St. 265ft. Reline	14,575
Summer St. Manhole	5,000
Smoke Test cont. at Kell St. Int.	2,075
Margin St./Island Av. Sewer	100,000
Crosby Street Manhole	5,000
Charles Street Manhole	800
Mill Street Manhole	<u>800</u>
	\$181,250

Equipment Replacement

A Bank UV Lamp Replmnt.	\$18,950
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**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility **Division:** _____

Fiscal Year for Project/Item for Purchase:

FY 2012-2013
Energy Conservation
\$10,000

Project/Item for Purchase (detail): During this current budget year the Town of Orono contracted with Competitive Energy Energy Services to assist us with procurement of heating oil and power rates. Additionally, they offer their clients a Specific Project Evaluation Model that may include one or more energy related subjects. CES is compensated via a negotiated fee. Under this model they can assist us in the following areas: **Development and Implementation of short and long term energy strategy; Evaluation of efficiency improvement projects; Water to Air Heat Exchange; Carbon and Renewable Energy evaluation and management; Evaluation and Economic analysis of renewable technologies; Fuel Conversion and Co-generation analysis; ect.**

Converting to Natural Gas is not cost effective at this time. It costs between \$60,000 and \$80,000 for a railroad crossing as per Bangor Gas.

Reason for Project/Item for Purchase (detail):

If this is new, why is it needed/what department goal will it support: Heating costs and Power costs are significant costs at the WPCF. In addition to the Air to Air Heat Exchange Project at the Headworks Building, other Energy Conservation Projects should be evaluated.

New: X **Replacement:** _____

If this is a replacement, what will it replace: N/A

Can this project/purchase be shared between more than one Department or entity: A scope of work and fee could easily include all Town Facilities.

Sources of Funding: See Capital Improvement Budget

Capital Reserve Funding

Cost in today's dollars: \$10,000

Cost in future dollars: \$10,5000

Local Funding %:100%

Local Funding Amount: 100%

Other Funding %:

Other Funding Amount:

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility Division: _____

Fiscal Year for Project/Item for Purchase:

FY 2012-2013

Headworks Heat Exchange

\$12,685

Project/Item for Purchase (detail): Install air to air heat exchange system

Reason for Project/Item for Purchase (detail): The Headworks building has been designed to be explosion proof that requires a positive air intake and exhaust. The HVAC system can do this. However, during cold winter weather, with the intake and exhaust fans operating, it becomes cost prohibitive to change the air and keep the building from freezing. We have learned it takes about 40 gpd of No. 2 heating oil to heat the building when it is -20F. The air to air heat exchange project involves capturing heated building air from an exhaust fan and recycle back through an air heat exchange unit to the existing no. 2 heating oil boiler. The system is designed to be 60% efficient and will save 1,700 gallons of heating oil. The equipment and installation costs are \$36,000. Efficiency Maine grant is \$30,050. This leaves \$5,950 to come from WPCF Capital Reserve Fund. This project is already underway, the equipment has been ordered. However, I anticipate we will expend \$12,685 during FY 2012-2013 as final payment.

New: X Replacement: _____

If this is a replacement, what will it replace:

If this is new, why is it needed/what department goal will it support: No

Can this project/purchase be shared between more than one Department or entity: No

2011 estimated cost: \$36,000

Cost in future dollars: \$40,500

2012 estimated cost: \$12,685

Sources of Funding: Local, Capital Reserve. Grant, Efficiency Maine

Local Funding %: 16.5%

Local Funding Amount: \$5,950

Grant Funding %: 83.5% Other Funding Amount: \$30,050
Other Funding %: _____ Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility **Division:** _____

Fiscal Year for Project/Item for Purchase:

FY 2012-2013

5 Station Telephone System

\$2,500

Project/Item for Purchase (detail): 5 Station Telephone System

Reason for Project/Item for Purchase (detail): A new 5 Station Telephone System will enable us to communicate internally and externally between the following areas: Superintendents Office, Chief Operator, Mechanics Office, Laboratory, Mechanics Office, and Training Room. Internal wiring updated during upgrade.

If this is new, why is it needed/what department goal will it support: Our existing system has not been updated for many years. Currently, we do not have ability to page a station. An updated system will enable us to quickly contact and connect the appropriate person at the appropriate station.

New: _____ _____ **Replacement:** _____

If this is a replacement, what will it replace: Replace old existing 5 Station System.

Can this project/purchase be shared between more than one Department or entity: No. Site Specific.

Sources of Funding: See Capital Improvement Budget

Capital Reserve Funding

Cost in today's dollars: \$2,500

Cost in future dollars: \$2,800

Local Funding %: 100%

Local Funding Amount: 100%

Other Funding %:

Other Funding Amount:

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility **Division:** _____

Fiscal Year for Project/Item for Purchase:

FY 2012-2013
Purchase Bi-carbonate Mixer
\$15,000

Reason for Project/Item for Purchase (detail): To mix sodium bi-carbonate more efficiently. With the upgrade project came a liquid sodium bi-carbonate system. We found out after our first liquid purchase that it was cost prohibitive by liquid. Therefore, we have invented our own temporary system to mix sodium bi-carbonate system on site. Our mixing is done in a 55 gallon drum and pumped to a 1200 gallon bulk tank. This process, as it is, is labor intensive. A properly sized dry chemical mixer can reduce the labor time to mix sodium bi-carbonate. Sodium Bi-carbonate is added to raise pH and alkalinity for both the Digester and Aeration Basin.

If this is new, why is it needed/what department goal will it support: Will make us more efficient with our time.

New: _____ _____ **Replacement:** _____

If this is a replacement, what will it replace: N/A

Can this project/purchase be shared between more than one Department or entity: No

Sources of Funding: See Capital Improvement Budget

Capital Reserve Funding

Cost in today's dollars: \$15,000

Cost in future dollars: \$17,000

Local Funding %: 100%

Local Funding Amount: 100%

Other Funding %:

Other Funding Amount:

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility **Division:** _____

Fiscal Year for Project/Item for Purchase:

FY 2012-2013

University Place Sanitary Sewer Rehabilitation

Project/Item for Purchase (detail): University Place Sanitary Sewer Rehabilitation

Reason for Project/Item for Purchase (detail): Another area of our sanitary sewer system in need of rehabilitation is the north side of University Place (900 ft.). South side was relined previously. We had planned to do this project in 2011 but was postponed so another project could be added to it to gain a better price. The line has been inspected and the roots cut. It is ready for reline. We plan to bid the project in February 2012 along with the Margin St. Project and do the reline during summer 2012.

New: _____ **Replacement:** _____ X _____

If this is a replacement, what will it replace: The existing old 8 inch clay pipe.

If this is new, why is it needed/what department goal will it support: Our goal is to continue to replace or reline old clay pipe.

Can this project/purchase be shared between more than one Department or entity: Yes, if Public Works Department has Public Right of Way work or Stormwater improvements to be done. To be done along with Margin St. Project.

2012 estimated cost: \$49,500

Cost in future dollars: \$55,685

2013 estimated cost: \$55,685

Cost in future dollars: \$62,645

Sources of Funding:

Local Funding %: 100%

Local Funding Amount: \$49,500

Sewer Replacement Reserve

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility Division: _____

Fiscal Year for Project/Item for Purchase:

FY 2012-2013

University Place Sanitary Sewer Rehabilitation – Manhole Installation

\$3,500

Project/Item for Purchase (detail): University Place Sanitary Sewer Rehabilitation

Reason for Project/Item for Purchase (detail): Another area of our sanitary sewer system in need of rehabilitation is the north side of University Place (900 ft.). South side was relined previously. We had planned to do this project in 2011 but was postponed so another project could be added to it to gain a better price. The line was previously inspected and the roots cut. However, we learned recently that the pipe changes size from 10 inch to 8 inch. Therefore, a manhole needs to be installed, to facilitate the change in pipe size. The pipe will be ready for reline after the manhole is installed. We plan to bid the reline project in February 2012 along with the Margin St. Project and do the reline during summer 2012. The manhole will be done in June 2012 ahead of the reline.

New: X Replacement: _____

If this is a replacement, what will it replace: Rehabilitate the existing old 8 and 10inch clay pipe and install a new manhole

If this is new, why is it needed/what department goal will it support: Our goal is to continue to replace or reline old clay pipe.

Can this project/purchase be shared between more than one Department or entity: No

2012 estimated cost: \$3,500

Cost in future dollars: \$5,000

2013 estimated cost: \$5,000

Cost in future dollars: \$5,500

Sources of Funding:

Sewer Replacement Reserve

Local Funding %: 100%

Local Funding Amount: \$3,500

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility Division: _____

Fiscal Year for Project/Item for Purchase:

FY 2012-2013

Summer Street Sanitary Sewer Rehabilitation – Reline

Project/Item for Purchase (detail): Summer Street Sanitary Sewer Rehabilitation
14,575

Reason for Project/Item for Purchase (detail): Another area of our sanitary sewer system in need of rehabilitation is Summer Street (265 ft.). A sink hole was repaired last summer. And Orono Public Works upgraded the road and sidewalk. We had planned to do this project in 2011 but was postponed so another project could be added to it to gain a better price. The line was previously inspected and believed ready for reline. However, we learned recently that a manhole needs to be replaced before it can be relined. We plan to bid the reline project in February 2012 along with the Margin St. Project and do the reline during summer 2012. The manhole will be done in June 2012 ahead of the reline.

New: _____ Replacement: _____ X _____

If this is a replacement, what will it replace: Rehabilitate the existing old 8 inch clay pipe and install a new manhole

If this is new, why is it needed/what department goal will it support: Our goal is to continue to replace or reline old clay pipe.

Can this project/purchase be shared between more than one Department or entity: No

2012 estimated cost: \$14,575

Cost in future dollars: \$16,400

2013 estimated cost: \$6,000

Cost in future dollars: \$7,000

Sources of Funding:

Sewer Replacement Reserve

Local Funding %: 100%

Local Funding Amount: \$14,575

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

Capital Improvement Plan
Request

Department: Water Pollution Control Facility Division: _____

Fiscal Year for Project/Item for Purchase:

FY 2012-2013

Summer Street Sanitary Sewer Rehabilitation – Manhole Installation

\$5,000

Project/Item for Purchase (detail): Summer Street Sanitary Sewer Rehabilitation

Reason for Project/Item for Purchase (detail): Another area of our sanitary sewer system in need of rehabilitation is Summer Street (265 ft.). A sink hole was repaired last summer. And Orono Public Works upgraded the road and sidewalk. We had planned to do this project in 2011 but was postponed so another project could be added to it to gain a better price. The line was previously inspected and believed ready for reline. However, we learned recently that a manhole needs to be replaced before it can be relined. We plan to bid the reline project in February 2012 along with the Margin St. Project and do the reline during summer 2012. The manhole will be done in June 2012 ahead of the reline.

New: X Replacement: _____

If this is a replacement, what will it replace: Rehabilitate the existing old 8 inch clay pipe and install a new manhole

If this is new, why is it needed/what department goal will it support: Our continue to replace or reline old clay pipe goal is to.

Can this project/purchase be shared between more than one Department or entity: No

2012 estimated cost: \$5,000

Cost in future dollars: \$6,000

2013 estimated cost: \$6,000

Cost in future dollars: \$7,000

Sources of Funding:

Sewer Replacement Reserve

Local Funding %: 100%

Local Funding Amount: \$5,000

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

Capital Improvement Plan Request
2012-2013

Department: Water Pollution Control Facility Division: _____

Smoke test Kell Street Interceptor
\$2,075

Fiscal Year for Project/Item for Purchase: 2012-2013

Project/Item for Purchase (detail): When it rains a significant amount of extraneous water enters Kell Street Pumping Station. We have previously smoke tested this line with only partial success in locating the source of excess water. A bad service line was found and repaired by the homeowner. We continue to believe more problems exist. Olver Associates assisted us this past summer with smoke testing and a significant hole was found at the manhole near Stillwater Village. Additional follow up has been recommended at Kell St. for location and identification of the storm drains in that area. We have \$2,075 remaining from the \$5,000 appropriated last year.

Reason for Project/Item for Purchase (detail): We believe this line has a significant source of extraneous water (inflow) and once located can be spot repaired cost effectively. The primary goal is to eliminate the water to reduce/eliminate combined sewer overflows at the treatment plant. If it is determined to have major problems it will eventually have to be relined.

New: _____ Replacement: _____ X _____

If this is a replacement, what will it replace: If a bad section of pipe can be located, a spot repair can be made and eliminate the excess water/inflow.

If this is new, why is it needed/what department goal will it support: No

Can this project/purchase be shared between more than one Department or entity: _____
No _____

Cost in today's dollars: \$2075 Cost in future dollars: \$3500

Sources of Funding:

Sewer Replacement Reserve account

Local Funding %: 100%
Other Funding %: _____
Other Funding %: _____

Local Funding Amount: \$2,075
Other Funding Amount: _____
Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility **Division:** _____

Fiscal Year for Project/Item for Purchase:

FY 2012-2013

Island Avenue/Margin St. Sanitary Sewer Rehabilitation

Project/Item for Purchase (detail): Replace 412 ft of 10" sanitary.

Reason for Project/Item for Purchase (detail): Another area of our sanitary sewer system in need of rehabilitation is Island Avenue/Margin St. The project will be apart of a larger stormwater project Orono Public Works must do to prevent a total collapse with the rock and granite culvert by the railroad. The sanitary sewer has been affected due to the fact it is laid perpendicular over the culvert drain. Our approach will be to do the project in phases. Olver Associates is assisting us with a design that will meet the hydraulic needs of the drain, minimize any disruption to the railroad, and to replace the sanitary sewer. Phase 1 of this work was to be done last summer. However, it was delayed due to the railroads review process. Phase 2 is planned next year when new stormwater system and sanitary sewer will continue up Island Avenue to Main Street.

New: _____ **Replacement:** _____ X _____

If this is a replacement, what will it replace: The existing old 10 inch clay pipe.

If this is new, why is it needed/what department goal will it support: Our goal is to continue to replace or reline old clay pipe.

Can this project/purchase be shared between more than one Department or entity: Yes, Orono Public Works Department and the WPCF will be working together on these improvements. Projects to be bid at the same time.

2012 estimated cost: \$100,000

Cost in future dollars: \$112,500

2013 estimated cost: \$250,000

Cost in future dollars: \$281,250

Sources of Funding:

Local Funding %: 100%

Local Funding Amount: \$100,000

Sewer Replacement Reserve

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility **Division:** _____

Fiscal Year for Project/Item for Purchase:

FY 2012-2013

Manhole Installation/Replacement

\$6,600

Project/Item for Purchase (detail): We should install a manhole at upper end of Crosby St.(\$5,000) and Mill St.(\$800) And Replace a manhole on Charles St.(\$800).

Reason for Project/Item for Purchase (detail): The manhole installation work at Crosby and Mill would be new manholes to facilitate access to the sanitary sewers located in these areas.

If this is new, why is it needed/what department goal will it support: By gaining proper access to our sanitary sewers enables us to clean and evaluate the condition of the pipe. Additionally, if a line is to be relined, it can only be done by having access through a manhole.

New: **Replacement:**

If this is a replacement, what will it replace: The manhole at Charles St. is dilapidated.

Can this project/purchase be shared between more than one Department or entity: We anticipate Orono Public Works will assist us with equipment to do the Charles St. and Mill St. work. Because the manhole work at Crosby will require a deep excavation, this work will be done by a contractor.

Sources of Funding:

Sewer Replacement Reserve

Cost in today's dollars: \$6,600

Cost in future dollars: \$7,400

Local Funding %: 100%

Local Funding Amount:

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility **Division:** _____

Fiscal Year for Project/Item for Purchase:
FY 2012-2013
UV A Bank Bulb Replacement
\$18,950

Project/Item for Purchase (detail): The time has come that UV bulb replacement is necessary. The bulbs have a life expectancy of 8,000 hours. We are required to Disinfect, run the UV, for 5.5 months per year or 4100 hours per year. We have 2 banks of 64 bulbs per bank. Therefore, we have 4 years of life expectancy between the 2 banks of bulbs. Beginning in May 2012, we begin our 4th year of the original UV bulbs installed during the Upgrade Project. Therefore, beginning in May 2013 we will want to have purchased and installed atleast 1 bank of 64 new bulbs. It will be necessary to replace the B Bank during FY 2013-2014.

Reason for Project/Item for Purchase (detail): Need to continue to have the ability to disinfect WPCF Discharge in accordance with our MDEP License.

If this is new, why is it needed/what department goal will it support: In May 2012 we begin our 4th year with Ultraviolet Light Disinfection.

New: _____ _____ **Replacement:** _____ _____

If this is a replacement, what will it replace: Replace old bulbs that have reached their life expectancy.

Can this project/purchase be shared between more than one Department or entity:
No _____

Sources of Funding:

Sewer Replacement Reserve

Cost in today's dollars: \$18,950

Cost in future dollars: \$19,500

Capital Improvement Plan Request
FY 2013-2014

Treatment Plant Projects

Grout Selector Basin Floor Drains \$13,000

Sanitary Sewer Projects

Continue Margin/Island Av. Imprve. \$250,000

Equipment Replacement

A Bank UV Lamp Replmnt. \$18,950

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility **Division:** _____

Fiscal Year for Project/Item for Purchase:
FY 2013-2014
Grout Basin Floor Drains
\$13,000

Project/Item for Purchase (detail): Grout Selector floor drains. The 3 Selector Basins have side wall drains. Therefore, the tanks can not be completely cleaned of the any remaining sludge when they are emptied. A source of odor can occur when left for long periods. To correct this problem the basin(s) floor needs to be re-grouted to the side wall drain.

Reason for Project/Item for Purchase (detail): Select Basin(s) cleaning can be completed more efficiently without odor problems when not in service.

If this is new, why is it needed/what department goal will it support: We pride ourselves in maintaining a clean and odorless operation.

New: _____ _____ **Replacement:** _____

If this is a replacement, what will it replace: N/A

Can this project/purchase be shared between more than one Department or entity: Yes, we believe Public Works Dept. personnel have the expertise to assist us with this work.

Sources of Funding: See Capital Improvement Budget

Capital Reserve Funding

Cost in today's dollars: \$13,000

Cost in future dollars: \$14,560

Local Funding %: 100%

Local Funding Amount: 100%

Other Funding %:

Other Funding Amount:

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility **Division:** _____

Fiscal Year for Project/Item for Purchase:

FY 2013-2014

Island Avenue/Margin St. Sanitary Sewer Rehabilitation Phase 2.

\$250,000

Project/Item for Purchase (detail): Replace 412 ft of 10" sanitary.

Reason for Project/Item for Purchase (detail): Another area of our sanitary sewer system in need of rehabilitation is Island Avenue/Margin St. The project will be apart of a larger stormwater project Orono Public Works must do to prevent a total collapse with the rock and granite culvert by the railroad. The sanitary sewer has been affected due to the fact it is laid perpendicular over the culvert drain. Our approach will be to do the project in phases. Olver Associates is assisting us with a design that will meet the hydraulic needs of the drain, minimize any disruption to the railroad, and to replace the sanitary sewer. Phase 1 of this work was to be done last summer. However, it was delayed due to the railroads review process. Phase 2 is planned 2013 when new stormwater system and sanitary sewer will continue up Island Avenue to Main Street.

New: _____ **Replacement:** _____ X _____

If this is a replacement, what will it replace: The existing old 10 inch clay pipe.

If this is new, why is it needed/what department goal will it support: Our goal is to continue to replace or reline old clay pipe.

Can this project/purchase be shared between more than one Department or entity: Yes, Orono Public Works Department and the WPCF will be working together on these improvements. Projects to be bid at the same time.

2013 estimated cost: \$250,000

2014 estimated cost: \$270,000

Cost in future dollars: \$270,000

Cost in future dollars: \$280,000

Sources of Funding:

Local Funding %: 100%

Local Funding Amount: \$250,000

Sewer Replacement Reserve

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility **Division:** _____

Fiscal Year for Project/Item for Purchase:
FY 2013-2014
UV B Bank Bulb Replacement
\$18,950

Project/Item for Purchase (detail): The time has come that UV bulb replacement is necessary. The bulbs have a life expectancy of 8,000 hours. We are required to Disinfect, run the UV, for 5.5 months per year or 4100 hours per year. We have 2 banks of 64 bulbs per bank. Therefore, we have 4 years of life expectancy between the 2 banks of bulbs. Beginning in May 2012, we begin our 4th year of the original UV bulbs installed during the Upgrade Project. Therefore, beginning in May 2013 we will want to have purchased and installed atleast 1 bank of 64 new bulbs. It will be necessary to replace the B Bank during FY 2013-2014.

Reason for Project/Item for Purchase (detail): Need to continue to have the ability to disinfect WPCF Discharge in accordance with our MDEP License.

If this is new, why is it needed/what department goal will it support: In May 2012 we begin our 4th year with Ultraviolet Light Disinfection.

New: X **Replacement:** X

If this is a replacement, what will it replace: Replace old bulbs that have reached their life expectancy.

Can this project/purchase be shared between more than one Department or entity:
No _____

Sources of Funding:

Sewer Replacement Reserve

Cost in today's dollars: \$18,950

Cost in future dollars: \$19,500

Capital Improvement Plan Request
FY 2014-2015

Treatment Plant Projects

Catwalk for Chlorine Contact	\$20,000
Operations Building Roof Replnt.	<u>46,850</u>
	\$66,850

Sanitary Sewer Projects

500 ft. University Interceptor Reline	\$100,000
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Equipment Replacement

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility **Division:** _____

Fiscal Year for Project/Item for Purchase:

FY 2014-2015

Construct Catwalk at Chlorine Contact Chamber
\$20,000

Reason for Project/Item for Purchase (detail): To clean the Chlorine Contact Chamber efficiently and cost effectively an aluminum catwalk walkway should be constructed across (perpendicular) to the length of the tank. This will enable the WPCF Staff to more effectively access the tank with a fire hose to clean (flush) any accumulated sludge to the tank drain. Currently, because of poor access, it takes about 5 hours to clean. With an aluminum catwalk walkway we estimate the cleaning will take about half this time.

If this is new, why is it needed/what department goal will it support: Will make us more efficient with our time.

New: _____ _____ **Replacement:** _____

If this is a replacement, what will it replace: N/A

Can this project/purchase be shared between more than one Department or entity: No. the project is site specific.

Sources of Funding: See Capital Improvement Budget

Capital Reserve Funding

Cost in today's dollars: \$20,000

Cost in future dollars: \$23,000

Local Funding %: 100%

Local Funding Amount: 100%

Other Funding %:

Other Funding Amount:

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility **Division:** _____

Fiscal Year for Project/Item for Purchase:
FY 2014-2015
Operations Building Roof Replacement
\$46,850

Reason for Project/Item for Purchase (detail): The existing roof on the Operations Building was replaced back in the 1990. It is what they call a Ballasted Membrane type. It is approaching its design life of 25 years. It was not identified for replacement in the Upgrade Project.

If this is new, why is it needed/what department goal will it support:

New: _____ **Replacement:** _____ X _____

If this is a replacement, what will it replace: N/A

Can this project/purchase be shared between more than one Department or entity: No. the project is site specific.

Sources of Funding: See Capital Improvement Budget

Capital Reserve Funding

Cost in today's dollars: \$46,850

Cost in future dollars: \$50,000

Local Funding %: 100%

Local Funding Amount: 100%

Other Funding %:

Other Funding Amount:

Other Funding %: _____

Other Funding Amount: _____

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility Division: _____

Fiscal Year for Project/Item for Purchase:

FY 2014-2015

18-36 inch

Stillwater(18,21,and36in.)/University (30,36in.) Interceptor Reline

\$100,000

Project/Item for Purchase (detail): There is approximately a mile of reinforced concrete (RCP) interceptor sanitary sewer pipe of various sizes (18,21,30,36 inch) laid on both side of the Stillwater River. The pipe joints have been put together with rubber gaskets. We know these gaskets leak from previous video camera inspection. Additionally, we know that when the Stillwater River is high, the treatment plant flows increase. We should investigate these interceptor sewers in more detail to determine how serious the infiltration actually is. If the infiltration is significant, the more serious sections could be relined. Reline pricing for these sizes of pipe would be in the \$250-\$300 per ft. At this cost/ft, \$100,000 would only get us started. However, appropriating this amount each year for reline would reduce and ultimately eliminate combined sewer overflows at the treatment plant. The Flow Evaluation Study currently underway may answer some questions regarding the infiltration of these interceptors.

Reason for Project/Item for Purchase (detail): Eliminate combined sewer overflows.

New: X Replacement: _____

If this is a replacement, what will it replace: Rehabilitate reline sections of either or both interceptor sanitary sewers

If this is new, why is it needed/what department goal will it support: We have as a goal to eliminate Combined Sewer Overflows (CSO). To achieve this goal we must continue to replace or reline old leaky pipe. We had 2 CSO's during 2011.

Can this project/purchase be shared between more than one Department or entity: No

2014 estimated cost: \$100,000
2015 estimated cost :\$110,000

Cost in future dollars: \$110,000
Cost in future dollars \$120,000

Sources of Funding:

Sewer Replacement Reserve

Note: 1 mile (5280ft) @ \$300/ft = \$1,584,000

Local Funding %: 100%

Local Funding Amount: \$100,000

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

Capital Improvement Plan Request
FY 2015-2016

Treatment Plant Projects

Clarifier Sludge Level Monitors \$16,000

Sanitary Sewer Projects

500 ft. University Interceptor Reline \$100,000

Equipment Replacement

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility **Division:** _____

Fiscal Year for Project/Item for Purchase:
FY 2015-2016
Sludge Level Monitors
\$16,000

Reason for Project/Item for Purchase (detail): One of important process control parameters is depth of sludge in our clarifiers., in particular during a high flow events. Currently, this is done manually once and possibly twice per day. If we had automatic Sludge Level Monitors we would be informed sooner of a pending high sludge blanket condition. This alarm condition would be done through our SCADA monitoring computer. We considered these Sludge Level Monitors during the upgrade project but were eliminated to save money.

If this is new, why is it needed/what department goal will it support: Give us a warning of a pending high sludge blanket.

New: _____ _____ **Replacement:** _____

If this is a replacement, what will it replace: N/A

Can this project/purchase be shared between more than one Department or entity: No

Sources of Funding: See Capital Improvement Budget

Capital Reserve Funding

Cost in today's dollars: \$16,000

Cost in future dollars: \$17,900

Local Funding %: 100%

Local Funding Amount: 100%

Other Funding %:
Other Funding %: _____

Other Funding Amount:
Other Funding Amount: _____

Capital Improvement Plan
Request

Department: Water Pollution Control Facility

Division: _____

Fiscal Year for Project/Item for Purchase:

FY 2015-2016

18-36 inch

Stillwater(18,21,and36in.)/University (30,36in.) Interceptor Reline

\$100,000

Project/Item for Purchase (detail): There is approximately a mile of reinforced concrete (RCP) interceptor sanitary sewer pipe of various sizes (18,21,30,36 inch) laid on both side of the Stillwater River. The pipe joints have been put together with rubber gaskets. We know these gaskets leak from previous video camera inspection. Additionally, we know that when the Stillwater River is high, the treatment plant flows increase. We should investigate these interceptor sewers in more detail to determine how serious the infiltration actually is. If the infiltration is significant, the more serious sections could be relined. Reline pricing for these sizes of pipe would be in the \$250-\$300 per ft. At this cost/ft, \$100,000 would only get us started. However, appropriating this amount each year for reline would reduce and ultimately eliminate combined sewer overflows at the treatment plant. The Flow Evaluation Study currently underway may answer some questions regarding the infiltration of these interceptors.

Reason for Project/Item for Purchase (detail): Eliminate combined sewer overflows.

New: Replacement: _____

If this is a replacement, what will it replace: Rehabilitate reline sections of either or both interceptor sanitary sewers

If this is new, why is it needed/what department goal will it support: We have as a goal to eliminate Combined Sewer Overflows (CSO). To achieve this goal we must continue to replace or reline old leaky pipe. We had 2 CSO's during 2011.

Can this project/purchase be shared between more than one Department or entity: No

2014 estimated cost: \$100,000
2015 estimated cost: \$110,000

Cost in future dollars: \$110,000
Cost in future dollars: \$120,000

Sources of Funding:

Sewer Replacement Reserve

Note: 1 mile (5280ft) @ \$300/ft = \$1,584,000

Local Funding %: 100%

Local Funding Amount: \$100,000

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____

Capital Improvement Plan Request
FY 2016-2017

Treatment Plant Projects

Aeration Basin Spray Header System \$20,000

Sanitary Sewer Projects

Bennoch Road Crossing/Upsize 700ft \$320,000

Equipment Replacement

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility **Division:** _____

Fiscal Year for Project/Item for Purchase:
FY 2016-2017
Grout Basin Floor Drains
\$20,000

Project/Item for Purchase (detail): For reasons we are not totally sure of, our aeration system has foaming problems. To manage the problem it would be beneficial to have a spray header system installed around the 2 anoxic zones of the 2 aeration basins. Project estimate includes \$10,000 for a new process water pump.

Reason for Project/Item for Purchase (detail): Enable us to efficiently break up the foam so it can be removed in the clarifier.

If this is new, why is it needed/what department goal will it support: Give us the ability to remove foam automatically when necessary. And prevent odor problems.

New: **Replacement:** _____

If this is a replacement, what will it replace: N/A

Can this project/purchase be shared between more than one Department or entity: No

Sources of Funding: See Capital Improvement Budget

Capital Reserve Funding

Cost in today's dollars: \$20,000

Cost in future dollars: \$21,500

Local Funding %: 100%

Local Funding Amount: \$20,000

**Capital Improvement Plan
Request**

Department: Water Pollution Control Facility Division: _____

Fiscal Year for Project/Item for Purchase:

FY 2016-2017

Upsize Bennoch Road Collector Sewer

Project/Item for Purchase (detail): During the Bennoch Road Reconstruction Project in 2007 a new 12 inch sanitary sewer was constructed under Bennoch Road (110 ft.). We wish to finish this project to upsize from 8 inch to 12 inch the remaining 700 ft. above and below Bennoch Road to the Stillwater Interceptor.

Reason for Project/Item for Purchase (detail): This project has been in the Capital Budget for several years. The project is necessary to prevent a potential overflow when you have a smaller pipe downstream of a larger pipe. This sanitary sewer serves the Technology Park and Stillwater Avenue Pumping Station. Any future development on the west side of I 95 would also be served by this same sanitary sewer.

New: X Replacement: _____

If this is a replacement, what will it replace: Old Transite pipe

If this is new, why is it needed/what department goal will it support: This is another area with old sanitary sewer. Additionally, the pipe is undersized at 8 inch with 12 inch pipe connected upstream. It is also located within a seasonally wet low lying area and is very likely taking on excess water from the seasonal run off.

Can this project/purchase be shared between more than one Department or entity: No

2009 estimated project cost: \$320,000

Cost in future dollars: \$360,000

Sources of Funding: Sewer Replacement Reserve

Local Funding %: 100 %

Local Funding Amount: 100%

Other Funding %: _____

Other Funding Amount: _____

Other Funding %: _____

Other Funding Amount: _____