

Lewiston Capital Improvement Program

FY 2012



**Edward A. Barrett
City Administrator**

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City of Lewiston Executive Department

EDWARD A. BARRETT
City Administrator



December 31, 2010

Honorable Mayor Laurent F. Gilbert
Lewiston City Council Members
City Building
Lewiston, Maine 04240

RE: Proposed FY 2012 Capital Improvement Program

Dear Mayor and Councilors:

The proposed FY 2012 Lewiston Capital Improvement Program (LCIP) is hereby submitted for your review in accordance with the provisions of the City Charter.

The purpose of developing and annually updating a five-year capital plan is to ensure that policy makers are aware of both the current and future capital needs of the community and can take these into account during the annual budget process. It assists policy makers in setting priorities for addressing the City's infrastructure needs and in planning for and managing the City's overall debt.

At the same time, a capital plan is not and cannot be carved in stone. It must be a living and flexible document, that, while informing judgments, does not predetermine them. While the plan serves as a guide to decision making, other factors also must be weighed and balanced. These include: the overall economic and fiscal climate; the City's debt position; the availability of non-city funding sources; unexpected emergencies or development opportunities; public requests or expectations; and the ability of the City's operating budget to directly fund projects through normal City revenues.

Under our charter and procedures, this plan is also submitted to the Planning Board and the Finance Committee for their review, comments, and recommendations. The Council is required to hold a public hearing on this plan and to adopt it as it may be changed or modified at least four months prior to the end of the current fiscal year.

In addition to various summaries, each project is described and justified in the attached project detail sheets. Potential sources of funding are also suggested such as federal or state grants, our operating budget, or either tax supported or revenue supported general obligation bonds.

While a five-year time frame is appropriate for planning purposes, I also recognize that the focus of immediate attention will be on those projects scheduled for the coming fiscal year and, more specifically, those requiring either operating support or debt authorization. A summary of such projects can be found below.

OVERALL SUMMARY

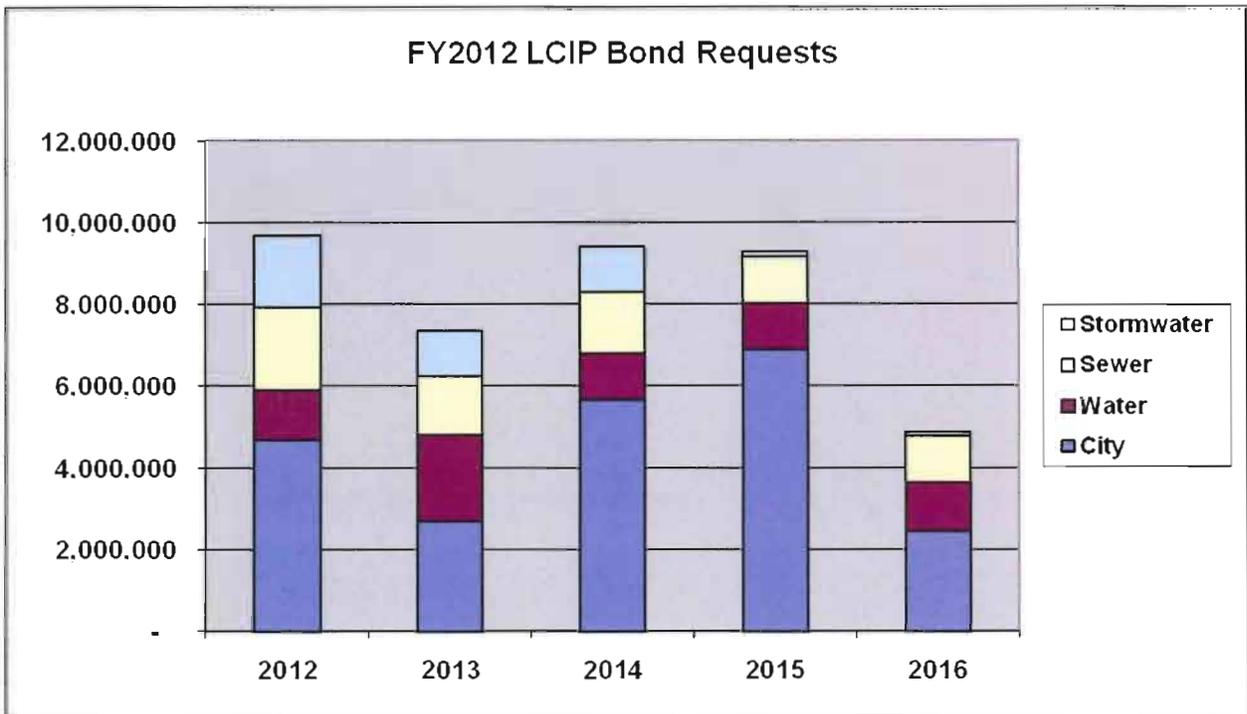
The five-year capital plan calls for approximately \$115.5 million in projects of which \$53.5 million are supported by City resources including our various operating budgets and the issuance of general obligation or enterprise revenue supported bonds. The following chart summarizes the proposed use of local resources for the first year of the plan (FY12) and the total over the full five year period:

<u>AREA</u>	<u>FY12</u>	<u>FY12-FY16</u>
City Bond Issue	\$4,630,650	\$22,353,353
City Operating Budget	2,490,000	9,946,000
Sewer Bond Issue	2,025,000	7,275,000
Sewer Operating Budget	105,000	440,000
Sewer Impact Fees	50,000	250,000
Water Bond Issue	1,223,000	6,795,000
Water Operating Budget	340,000	1,726,000
Stormwater Bond Issue	1,725,000	4,125,000
Stormwater Operating Budget	<u>60,000</u>	<u>320,000</u>
TOTAL	\$12,648,650	\$53,239,353

PROPOSED BOND ISSUES

The following chart and accompanying graph summarizes the amount of bonded debt proposed for the City’s General Fund and each of its Enterprise Funds over the next five years.

Fund	2012	2013	2014	2015	2016	Total
City	4,630,650	2,757,203	5,665,250	6,870,250	2,430,000	22,358,353
Water	1,223,000	2,113,000	1,128,000	1,140,000	1,191,000	6,795,000
Sewer	2,025,000	1,450,000	1,500,000	1,150,000	1,150,000	7,275,000
Stormwater	<u>1,725,000</u>	<u>1,100,000</u>	<u>1,100,000</u>	<u>100,000</u>	<u>100,000</u>	<u>4,125,000</u>
Total	9,603,650	7,420,203	9,393,250	9,260,250	4,871,000	40,548,353



OVERALL FISCAL AND ECONOMIC CLIMATE

Reacting to the recent recession, capital funding financed by the City’s operating budget has declined. Many essential projects that normally would be financed through the annual budget, such as equipment replacement and certain street overlay projects, have either been deferred or funded through bond issues.

While the recession has technically ended, its effects continue in the governmental sector which tends to recover more slowly than the overall economy. As a result, significant pressure remains on the City’s operating budget and will likely continue to do so over the next several budget cycles. While this will restrict the City’s ability to finance capital projects from its operating budget, we should continue the policy that is in place and designed to reduce the amount of General Obligation debt that is authorized in any one year. In addition, if the City is able to continue its effort to reduce reliance on the use of undesignated fund balance and other one-time sources of revenue for operating purposes, these funds can potentially be redirected toward our capital needs, further reducing our reliance on debt.

In spite of these concerns and restrictions, there is one positive note -- the historically low interest rates we have seen, when coupled with an extremely competitive construction climate, have held down both total project costs and annual interest payments on bonds.

DEBT POSTURE

While considered manageable by bond rating agencies, we should continue to work toward reducing tax supported general obligation debt. The current year’s debt service budget of approximately \$9,250,000 represents slightly more than 20% of the City’s operating budget exclusive of schools. We should reaffirm our goal to reduce this percentage over time to a more sustainable level. For reasons which will become clear later in this discussion, this will likely be a goal set farther in the future than I would prefer.

While significant strategic investments have been required to address major changes occurring

in the local economy in recent decades, it is clear that these investments have come at a cost and that we must carefully manage our debt position moving forward. This was recognized when the Council enacted an ordinance limiting the total amount of tax supported debt that can be authorized in any year to 97% of the average amount repaid over the prior three years. For the coming year, this limit is approximately \$8 million. For planning purposes and in order to allow for unexpected occurrences, the actual amount authorized should be less than this amount as part of a long-term effort to reduce general fund debt.

At the present time, the City's outstanding issued and authorized debt for all funds and purposes is \$154,483,699. The following chart provides greater detail by fund and purpose:

Outstanding Debt Issued & Authorized as of 6/30/11

City	61,653,704
Pension	11,480,000
School	39,918,015
Water	18,970,564
Sewer	9,441,419
Stormwater	9,525,713
Special Revenue	<u>3,494,284</u>
TOTAL	154,483,699

The proposed capital plan adheres to the policy of reducing the City's general fund debt. Over the next five years, the City will make \$32 million in principal payments. The capital plan calls for issuing new debt in the amount of \$22.3 million, lowering overall City general fund debt by approximately \$10 million.

Unfortunately, reducing our outstanding debt will not significantly reduce the City's debt service payment schedule over the forecast period. Much of the City's current debt is structured on an equal annual payment basis, much as most home mortgages are. The alternative approach of structuring debt to make equal annual principal payments results in a declining payment schedule since principal is more quickly paid off. This approach, however, results in higher payments in the early years after debt is issued.

The City's General Fund debt service requirements over the next five fiscal years, exclusive of authorized but as yet unissued debt, are:

FISCAL YEAR	PRINCIPAL AND INTEREST PAYMENT
FY12	\$9,601,099
FY13	9,171,888
FY14	9,077,231
FY15	8,887,807
FY16	8,739,046

Given these required payments and the additional borrowing that will occur over this time period, annual debt service requirements are likely to continue to increase modestly through this period.

The next major reduction in debt service occurs in FY18 when the annual payment will fall by almost \$3 million as the City pays off its pension obligation debt.

ENTERPRISE FUNDS

The majority of the projects in our water, sewer, and stormwater funds are directly related to either addressing old and deteriorating infrastructure or responding to state and federal mandates related to clean water. In all of these utilities, debt service costs are a major factor driving rates and future rate increases. In order to better plan for and manage such increases, we are in the process of developing multi-year revenue and expense projections to ensure that policy makers are aware of the impact of capital projects on the financial stability and rates of these utilities. These should be available during the annual budget process.

PROPOSED FY 2012 CAPITAL IMPROVEMENT PROGRAM

Recognizing that one of the major purposes of a capital plan is to inform the City's annual budget process, this section briefly summarizes the projects identified for potential funding through local resources (our operating budgets or by issuing bonds) during FY12.

<u>Project</u>	<u>Total Cost</u>	<u>City Resources</u>
<u><i>Auburn-Lewiston Airport:</i></u>		
Terminal Building Rehabilitation and Expansion	\$800,000	\$250,000
Runway and Safety Area Extension	<u>500,000</u>	<u>12,500</u>
	1,300,000	262,500
<u><i>Economic & Community Development:</i></u>		
Property Acquisition/Demolition	300,000	200,000
Acquisition of Lewiston Steam Electric Substation	253,000	253,000
Community Wayfinding Signage	50,000	50,000
Gendron Business Park Phase II	<u>200,000</u>	<u>200,000</u>
	803,000	703,000
<u><i>Lewiston-Auburn 9-1-1 Center:</i></u>		
Server Replacement	96,300	48,150
<u><i>Fire:</i></u>		
Lisbon Street Substation Roof Replacement	50,000	50,000
<u><i>M.I.S.:</i></u>		
Replace City Enterprise Resource Planning Software	370,000	370,000
Hardware to Support New ERP System	185,000	185,000
Uninterruptable Power Supply	<u>65,000</u>	<u>65,000</u>
	620,000	620,000
<u><i>Code and Planning:</i></u>		
Comprehensive Plan	135,000	135,000
<u><i>City Clerk:</i></u>		
Voting Machine Replacement	102,000	50,000
<u><i>Parks and Recreation:</i></u>		
Armory Sprinkler Head Replacement	25,000	25,000

Public Works:

Updated Aerial Maps	75,000	75,000
Road Rehabilitation	810,000	810,000
Road Maintenance	1,100,000	1,100,000
Sidewalk and Handicap Ramp Improvements	250,000	25,000
Ash Street Improvements Phase II	490,000	490,000
Riverside Greenway	2,144,000	464,000
Outer Lisbon St. Pavement Preservation	1,430,000	143,000
Downtown Streetlight Wiring Replacement	65,000	65,000
Intermediate Landfill Cover	200,000	200,000
Fleet Replacement	1,300,000	1,300,000
Public Works Boiler Replacement	500,000	500,000
Public Works Vehicle Wash	70,000	70,000
Kennedy Park Master Plan Implementation	160,000	160,000
Marcotte Park Playground Improvements	<u>75,000</u>	<u>75,000</u>
	8,669,000	5,447,000

Lake Auburn Watershed Protection Commission:

Land Acquisition Program	220,000	110,000
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Water Utility:

Transmission Main Replacement	100,000	100,000
Distribution Main Replacement/Rehabilitation	1,123,000	1,123,000
Meter Replacement Program	160,000	160,000
Equipment Replacement	<u>70,000</u>	<u>70,000</u>
	1,453,000	1,453,000

Sewer Utility:

Sanitary Line Rehabilitation	250,000	250,000
Equipment Replacement	45,000	45,000
Interceptor Inspection and Rehabilitation	150,000	150,000
Inflow/Infiltration Removal Program	50,000	50,000
Pump Station Upgrades	60,000	60,000
Oak Street Sewer Separation (Sewer Portion)	375,000	375,000
Jepson Brook Separation (Sewer Portion)	<u>1,250,000</u>	<u>1,250,000</u>
	2,180,000	2,180,000

Stormwater Utility:

NPDES Phase II Permit	60,000	60,000
Oak Street Sewer Separation (Stormwater Portion)	375,000	375,000
Hart Brook Water Quality Restoration	100,000	100,000
Jepson Brook Separation (Stormwater Portion)	<u>1,250,000</u>	<u>1,250,000</u>
	1,785,000	1,785,000

GRAND TOTAL 17,438,300 12,898,650

School Department:

The FY 2012 LCIP does not include any capital projects requests from the School Department.

CONCLUSION

The LCIP is an important and necessary planning tool to assist policy makers as they consider financial and development issues. However, the LCIP is only a "planning tool," not a funded budget.

The City Council is the final authority over which projects are funded and which are not. I have attempted to limit the FY 2012 Program to those projects which are required, address critical infrastructure needs, or are important to the continued revitalization of the City. In these uncertain economic times and given the City's overall debt and fiscal posture, it may be difficult to afford all of the scheduled projects or to fully fund those projects designated for the General Fund operating budget. These are issues that will be fully discussed and evaluated during the upcoming budget process.

I would like to express my thanks to all of the members of City staff who contributed to the development of this plan, especially the various department directors, our Finance Director, Heather Hunter, and Norm Beauparlant, our Director of Budget and Purchasing. Without their efforts, this document could not have been produced in a timely fashion.

I look forward to the opportunity of reviewing this plan with you, the Planning Board, and the Finance Committee over the coming months.

Sincerely yours



Edward A. Barrett
City Administrator

FY 2012 Lewiston Capital Improvement Project Summary

December 28, 2010											
PROJECT	PAGE	FY2012		FY2013		FY2014		FY2015		FY2016	
Property Acquisition/Demolition - Economic Dev. & Code	12	200,000	CBI	150,000	CBI	150,000	CBI	150,000	CBI	150,000	CBI
		100,000	CD	100,000	CD						
Acquisition of Lewiston Steam Substation - Economic Dev.	13	253,000	CBI								
Way Finding Signage - Economic Dev.	14	50,000	CBI								
Voting Machine Replacement - City Clerk	15	52,000	Other								
		50,000	CBI								
Software Replacement - MIS	16	370,000	CBI								
Hardware Replacement for New Software - MIS	17	185,000	CBI								
UPS for Server Room - MIS	19	65,000	CBI								
Comprehensive Plan - Code & Planning	21	135,000	CBI	50,000	CBI						
Street Rehab. CDBG Area - CDBG	22	475,000	CD	580,000	CD	510,000	CD	500,000	CD	530,000	CD
City of Lewiston GIS - Public Works	24	75,000	CBI								
Gendron Business Park Phase II - Public Works	25	200,000	CBI			850,000	CBI				
Sunnyside & Pierce St. Park Imp. - CDBG	26	60,000	CD								
Road Rehabilitation Program - Public Works	28	810,000	CBI	480,000	CBI	790,000	CBI	980,000	CBI	530,000	CBI
Street Maintenance Program - Public Works	30	1,100,000	COB	960,000	COB	950,000	COB	950,000	COB	1,000,000	COB
Sidewalk & Handicap Ramp Imp. - Public Works & MDOT	34	225,000	F/S								
		25,000	COB								
Ash Street Improvements Phase II - Public Works	36	490,000	CBI								
Exit 80 Turnpike Interchange Improvements - MDOT	38	7,500,000	F/S	3,500,000	F/S	3,500,000	F/S	3,500,000	F/S	3,500,000	F/S
Sabattus St. Traffic Signal Hazard Elimination Project - MDOT	39	600,000	F/S								
Main St. Traffic Management Imp. Project - MDOT	40	1,922,400	F/S								
		213,600	Other								
Lewiston Riverside Greenway - Public Works & MDOT	41	1,680,000	F/S								
		464,000	CBI								
Lisbon St/ RT 196 Pavement Pres. - Public Works & MDOT	43	1,287,000	F/S								
		143,000	CBI								
Street Light Wiring Replacement - Pubic Works	44	65,000	COB								
Intermediate Landfill Cover - Public Works	45	200,000	CBI			150,000	CBI			150,000	CBI
Equipment Replacement - Public Works	46	1,300,000	COB	840,000	COB	710,000	COB	870,000	COB	980,000	COB
Lisbon St. Fire Station Roof Replacement - Public Works	48	50,000	CBI								
City Hall Building Emergency Generator - Public Works	51	100,000	F/S								
Public Works Building Boiler Replacement - Public Works	50	250,000	Other								
		250,000	CBI								
P W Building Vehicle/Equip. Wash Facility - Public Works	52	70,000	CBI	70,000	CBI						
Kennedy Park Master Plan - Recreation	53	160,000	CBI	250,000	CBI	250,000	CBI				
Armory Sprinkler Head Replacement Project - Recreation	54	25,000	CBI								
Marcotte Park Playground Imp. - Recreation	55	75,000	CBI	75,000	CBI						
Runway Extension & Safety Area Imp. - A/L Airport	56	475,000	F/S	4,875,000	F/S	6,337,500	F/S	6,337,500	F/S		
		12,500	Other	62,500	Other	81,250	Other	81,250	Other		
		12,500	CBI	62,500	CBI	81,250	CBI	81,250	CBI		

FY 2012 Lewiston Capital Improvement Project Summary

December 28, 2010											
PROJECT	PAGE	FY2012		FY2013		FY2014		FY2015		FY2016	
Terminal Building Construction & Rehab. - A/L Airport	57	550,000	Other								
		250,000	CBI								
Replacement of 12 Servers - L/A 911 Center	58	48,150	Other								
		48,150	CBI								
LAWPC Land Acquisition Program - Water Fund	60	110,000	Other								
		110,000	WOB								
Transmission Main Replacement - Water Fund	61	100,000	WBI	980,000	WBI						
Distribution Water Main Replace. & Rehab. - Water Fund	63	1,123,000	WBI	1,133,000	WBI	1,128,000	WBI	1,140,000	WBI	1,191,000	WBI
Meter Replacement & Testing Program - Water Fund	68	160,000	WOB								
Equipment Replacement Program - Water Fund	70	70,000	WOB	85,000	WOB	103,000	WOB	75,000	WOB	43,000	WOB
Sanitary Sewer Lines Rehab. - Sewer Fund	72	250,000	SBI	300,000	SBI	350,000	SBI	1,000,000	SBI	1,000,000	SBI
Equipment Replacement - Sewer Fund	76	45,000	SOB	60,000	SOB	45,000	SOB	35,000	SOB	35,000	SOB
Interceptor Inspection & Rehabilitation - Sewer Fund	78	150,000	SBI								
Inflow/Infiltration Removal Program - Sewer Impact Fund	82	50,000	SIF								
Pump Station Equip. & Power Systems Rep. - Sewer Fund	84	60,000	SOB	40,000	SOB	40,000	SOB	40,000	SOB	40,000	SOB
NPDES PH II Permit - Storm Water Fund	86	60,000	SWOB	60,000	SWOB	65,000	SWOB	65,000	SWOB	70,000	SWOB
Oak Street Sewer Separation - Sewer & Storm Water Funds	89	375,000	SWBI								
		375,000	SBI								
Hart Brook Water Quality Restoration - Storm Water Fund	90	100,000	SWBI								
Jepson Brook Drainage Area - Sewer & Storm Water Fund	92	1,250,000	SWBI	1,000,000	SWBI	1,000,000	SWBI				
		1,250,000	SBI	1,000,000	SBI	1,000,000	SBI				
Engine #6 Apparatus Replacement - Fire	95			450,000	CBI						
Franklin Pasture Track - Public Works & School Dept.	97			115,000	Other						
				115,000	CBI						
Replace Mercury Street Lighting - Public Works	98	-		30,000	COB	30,000	COB	30,000	COB	30,000	COB
Rehab Unit #2 Turbine Upper A Hydro Facility - Public Works	100			400,000	CBI						
Fleet GPS Tracking System - Public Works	101			76,000	COB						
City Hall Interior & Exterior Step Rehab. - Public Works	102			120,000	CBI	100,000	CBI				
Library Exterior Wall, Steps & Window Rehab. - Public Works	103			70,000	CBI						
Police Department Sidewalk Replacement - Public Works	104			40,000	CBI						
Multi Purpose Center Boiler Replacement - Public Works	105			200,000	CBI						
Outdoor Lighting - Upper Franklin Pasture - Recreation	106			110,000	CBI						
Cross Country Trail-Franklin Pasture - Recreation	107			50,000	CBI	50,000	CBI				
Airport Lighting & Obstruction Clearing - A/L Airport	108			246,875	F/S						
				3,125	Other						
				3,125	CBI						
Replace Air Handler System - L/A 911 Center	109			20,000	Other						
				20,000	CBI						
Console Radio Upgrades - L/A 911 Center	112			41,578	Other						
				41,578	CBI						
Park Street Area Enhancements - Public Works	114					310,000	CBI	830,000	CBI		

FY 2012 Lewiston Capital Improvement Project Summary

December 28, 2010									
PROJECT	PAGE	FY2012	FY2013	FY2014	FY2015	FY2016			
Birch Street Road & Sidewalk Rehab. - Public Works	115			925,000	CBI				
Sabattus St./ Laurier to Old Greene Rd - Public Works & MDOT	116			2,047,500	F/S				
				227,500	CBI				
Main Street Fire Station Expansion & Rehab.- Public Works	117			650,000	CBI				
Police Department Building Expansion - Public Works	118			500,000	CBI	2,000,000	CBI		
City Buildings Security System - Homeland Security Funds	119			50,000	F/S				
Armory Building Window Replacement - Public Works	120			60,000	CBI				
Sabattus St. Fire Station Relocate or Rehab - Public Works	121			100,000	CBI	1,000,000	CBI		
Purchase Three Replacement Buses - L/A Transit Committee	122			630,000	F/S			315,000	F/S
				70,000	CBI			35,000	CBI
South Avenue/Lincoln to Lisbon Street - Public Works & MDOT	123			180,000	F/S	1,800,000	F/S		
				20,000	CBI	200,000	CBI		
River Rd/South to AA Plourde Pkway - Public Works & MDOT	124			1,080,000	F/S	1,350,000	F/S		
				120,000	CBI	150,000	CBI		
East Ave./Campus Fairlawn St. - Public Works & MDOT	126			2,353,500	F/S				
				261,500	CBI				
Downtown Riverfront Bicycle & Ped Imp - Public Works & MDOT	127					120,000	F/S		
						30,000	CBI		
Bike & Ped. Path/Gully Brook - Boat Ramp - Public Works & MDOT	128					400,000	F/S		
						100,000	CBI		
Lisbon St & Sidewalk/Chestnut to Main - Public Works & MDOT	129					621,000	F/S		
						69,000	CBI		
Pleasant St/Lisbon to Ferry Rd. - Public Works & MDOT	130					540,000	F/S		
						60,000	CBI		
City Hall Window Replacement - Public Works	131					400,000	CBI		
Recreation Administrative Office Renovations - Public Works	132					100,000	CBI		
Walnut Street Project - Public Works	134					720,000	CBI		
Multi Purpose Center Window Replacement - Public Works	135							150,000	CBI
Lisbon St. Fire Station Expansion & Rehab - Public Works	136							550,000	CBI
Central Fire Station Roof Replacement - Public Works	137							140,000	CBI
Multi Purpose Center Roof Replacement - Public Works	138							650,000	CBI
Purchase of Tractor - A/L Airport	139							75,000	Other
								75,000	CBI
TOTALS		28,309,300	19,545,281	28,536,000		27,005,000		11,919,000	

FY 2012 Lewiston Capital Improvement Project Summary

December 28, 2010							
PROJECT	PAGE	FY2012	FY2013	FY2014	FY2015	FY2016	
Distribution by Funding Type							
City Bond Issue	CBI	4,630,650	2,757,203	5,665,250	6,870,250	2,430,000	
City Operating Budget	COB	2,490,000	1,906,000	1,690,000	1,850,000	2,010,000	
Community Dev. Block Grant	CD	635,000	680,000	510,000	500,000	530,000	
Federal/State Funding	F/S	13,789,400	8,621,875	16,178,500	14,668,500	3,815,000	
Other Agency/Municipality	Other	1,236,250	352,203	191,250	191,250	185,000	
Sewer Operating Budget	SOB	105,000	100,000	85,000	75,000	75,000	
Sewer Bond Issue	SBI	2,025,000	1,450,000	1,500,000	1,150,000	1,150,000	
Sewer Impact Fees	SIF	50,000	50,000	50,000	50,000	50,000	
Water Bond Issue	WBI	1,223,000	2,113,000	1,128,000	1,140,000	1,191,000	
Water Operating Budget	WOB	340,000	355,000	373,000	345,000	313,000	
Storm Water Operating Budget	SWOB	60,000	60,000	65,000	65,000	70,000	
Storm Water Bond Issue	SWBI	1,725,000	1,100,000	1,100,000	100,000	100,000	
TOTALS		28,309,300	19,545,281	28,536,000	27,005,000	11,919,000	
Bond Issues							
20yr		9,603,650	7,420,203	9,393,250	9,260,250	4,871,000	
CBI (City Bond Issue)		2,610,000	1,003,125	4,754,000	5,139,000	1,220,000	
SBI (Sewer Bond Issue)		2,025,000	1,450,000	1,500,000	1,150,000	1,150,000	
WBI (Water Bond Issue)		1,223,000	2,113,000	1,128,000	1,140,000	1,191,000	
SWBI (Storm Water Bond Issue)		1,725,000	1,100,000	1,100,000	100,000	100,000	
sub-total		7,583,000	5,666,125	8,482,000	7,529,000	3,661,000	
15yr							
CBI (City Bond Issue)		782,500	1,132,500	511,250	731,250	1,135,000	
sub-total		782,500	1,132,500	511,250	731,250	1,135,000	
10yr							
CBI (City Bond Issue)		1,063,150	621,578	400,000	1,000,000	75,000	
sub-total		1,063,150	621,578	400,000	1,000,000	75,000	
5yr							
CBI (City Bond Issue)		175,000	-	-	-	-	
sub-total		175,000	-	-	-	-	
Total		9,603,650	7,420,203	9,393,250	9,260,250	4,871,000	

FY 2012 Lewiston Capital Improvement Program Project Description Form

Operational Funding Division: Economic Development Project Name: Property Acquisition/Demolition

Est. Total Cost FY 2012:	300,000	Est. Total Cost FY 2012-16:	1,000,000
City Share FY 2012:	200,000	City Share FY 2012-2016	800,000

Project Description:

Funds will be used to acquire land and, if necessary, demolish buildings on real estate determined by the Council to be strategic and that will support the economic and community development of the city.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Assembling parcels to support redevelopment and remove blight is consistent with the Downtown Master Plan that was adopted as part of the City's Comprehensive Plan. The Riverfront Island section of the 2010 Strategic Plan recommends evaluating and pursuing appropriate opportunities for land assembly and land banking that will also support the long-term goals of the City. The Economic Development section recommends developing a wetland banking program.

Justification for project implementation/construction and segments, if applicable:

A ready source of funds will allow the city to respond to needs and opportunities as they arise and on a proactive basis; improve the landscape of the City, reduce the vacancy rate, remove marginal and unsafe housing, and support revitalization of the downtown and riverfront area.

Future maintenance costs if known, including contracts and special service requirements:

Unknown

How were cost estimates obtained:

Price estimates are based on recent market activity and demolition bids.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	800,000				
Federal/State Funding	200,000	Agency:	<u>CDBG</u>	Approval Received?	<u>No</u>
Other Agency/Municipality		Agency:		Approval Received?	<u>Yes</u> <u>No</u>
Total Project Costs	1,000,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	300,000	250,000	150,000	150,000	150,000	
Non-City Share	100,000	100,000				
City Share	200,000	150,000	150,000	150,000	150,000	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Operational Funding Division: Economic Development **Project Name:** Acquisition of Lewiston Steam Station

Est. Total Cost FY 2012:	253,000	Est. Total Cost FY 2012-16:	253,000
City Share FY 2012:	253,000	City Share FY 2012-2016	253,000

Project Description:

To acquire 10 Mill Street (Lewiston Steam Substation) as specified in an agreement between the City and Central Maine Power Company.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

The City's Western Gateway Development Program, adopted by the City Council in 2007, articulates the intent to acquire 10 Mill Street and relocate the substation. The 2010 Strategic Plan addresses relocating the Lewiston Steam Substation so as to expand capacity and improve reliability of electric power downtown.

Justification for project implementation/construction and segments, if applicable:

Central Maine Power Company and the City entered into an *Option and Agreement Regarding Purchase and Sale of Property* in 2007. Under the terms of that agreement, if CMP builds a new substation at 51 Middle Street, the City will transfer 51 Middle Street to CMP at no cost. In turn, CMP will decommission the Lewiston Steam Substation, mitigate any environmental issues, and sell the property to the City for \$250,000. CMP is currently engaged in the regulatory and design process for the new substation and may begin construction in FY2012.

Future maintenance costs if known, including contracts and special service requirements:

Not known, although the City's intent would be to transfer this property to private ownership for redevelopment.

How were cost estimates obtained:

The terms of the agreement were approved by the City Council in 2007. \$3,000 was added to the purchase price to cover estimated closing costs.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	253,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	253,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	253,000					
Non-City Share	0					
City Share	253,000	0	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Operational Funding Division: Economic Development **Project Name:** Way Finding Signage

Est. Total Cost FY 2012:	50,000	Est. Total Cost FY 2012-16:	50,000
City Share FY 2012:	50,000	City Share FY 2012-2016	50,000

Project Description:

Design and install a comprehensive and uniquely identifiable way finding signage system on arterial and primary roads.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

The Comprehensive Plan has several strategies that speak to this issue: "establish a directional signage program for businesses and traffic flow parking patterns" in the downtown area and "focus beautification efforts (i.e. through directional signage, reader board programs) at entrances to Lewiston, especially at the gateways to the City." The Economic Growth section of the 2010 Strategic Plan suggests installing attractive directional signage that highlights visitor attractions/destinations to enable visitors to successfully navigate the community.

Justification for project implementation/construction and segments, if applicable:

The need for better way finding signage has long been recognized. Many visitors to Lewiston experience difficulty finding their way around and through town. Developing and installing a comprehensive way finding signage program will enhance the visitor experience and provide an opportunity for showcasing the City and improving the City's image.

Future maintenance costs if known, including contracts and special service requirements:

Periodic replacement

How were cost estimates obtained:

Cost estimates need to be refined and may vary depending upon level of consultant involvement in developing the system.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	50,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	50,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	50,000					
Non-City Share						
City Share	50,000	0	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Voting Machine Replacement

Operational Funding Division: City Clerk's Dept **Project Name:** Voting Machine Replacement

Est. Total Cost FY 2012:	102,000	Est. Total Cost FY 2012-16:	102,000
City Share FY 2012:	50,000	City Share FY 2012-2016	50,000

Project Description:

The City needs to replace our 17 voting machines. The vendor is no longer planning to support the maintenance of these machines. The State desires that all towns in Maine use the same machine. Federal funds are available to the State to assist towns with purchasing new machines. However, we currently do not know the funding formula by which these funds will be allocated and, as a result, how much the State will pay toward the cost.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

The City must conduct accurate and fair elections and, therefore, needs to have voting machines that will support this effort.

Justification for project implementation/construction and segments, if applicable:

This project is required because the vendor is planning to discontinue support for our current machines, making them unusable and the State is working toward one state-wide consistent voting machine system.

Future maintenance costs if known, including contracts and special service requirements:

Annual preventative maintenance on the machines are estimated to be about \$200 per unit.

How were cost estimates obtained:

Price estimate is \$6,000 each for 17 voting machines.

FUNDING SOURCES

Source	Amount			
City Operating Budget				
City Bond Issue	50,000			
Federal/State Funding	52,000	Agency: <u>Sec of State</u>	Approval Received?	<u>No</u>
Other Agency/Municipality		Agency: _____	Approval Received?	_____
Total Project Costs	102,000			

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	102,000					
Non-City Share	52,000					
City Share	50,000	0	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Financial Suite Software Replacement

Operational Funding Division: MIS Division **Project Name:** Financial Suite Software Repl

Est. Total Cost FY 2012:	370,000	Est. Total Cost FY 2012-16:	370,000
City Share FY 2012:	370,000	City Share FY 2012-2016	370,000

Project Description:

Replacement software: Accounting/GL/BG/AP, Fixed Assets, Purchase Orders, Requisitions, Work Orders, HR Management, Payroll, CAMA, Motor Vehicle, Tax Lien, ME Tax, and Forms Processing. This project must coincide with the Hardware Requirement Project.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

This will begin the compatibility process with the City of Auburn.

Justification for project implementation/construction and segments, if applicable:

Future maintenance costs if known, including contracts and special service requirements:

\$3,261.00

How were cost estimates obtained:

Quote from vendor

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	370,000				
Federal/State Funding		Agency:	Approval Received?	Yes	No
Other Agency/Municipality		Agency:	Approval Received?	Yes	No
Total Project Costs	370,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	370,000					
Non-City Share						
City Share	370,000	0	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Hardware Requirements

Operational Funding Division: MIS Division **Project Name:** MIS Hardware

Est. Total Cost FY 2012:	185,000	Est. Total Cost FY 2012-16:	185,000
City Share FY 2012:	185,000	City Share FY 2012-2016	185,000

Project Description:

Required Hardware to work with new software: Accounting/GL/BG/AP, Fixed Assets, Purchase Orders, Requisitions, Work Orders, HR Management, Payroll, CAMA, Motor Vehicle, Tax Lien, ME Tax, and Forms Processing. If Software Replacement Project is not accepted, most of this hardware will not be required.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

This will begin the compatibility process with the City of Auburn.

Justification for project implementation/construction and segments, if applicable:

Application software will require 4 Virtual Servers at City Hall. The hardware configuration will be 4 physical servers R710 (\$4,600.00 @ 1 additional physical server will be at the PW Server Room = \$23,000. The OS and VMWare will be \$55,000.00. The SAN will be 2 at City Hall and 1 at PW = \$107,000.00.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Quote from vendor

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	185,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	185,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	185,000					
Non-City Share						
City Share	185,000	0	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

- 5 **Dell Power Edge R710**
 48GB memory 1066MHz dual Ranked UDIMMs for 2 Processors
 Dual Two-Port Embedded Broadcom NetXtreme II 5709 Gigabit Ethernet NIC (4 ports total)
 (2) Intel Xeon E5520, 2.26 GHz, 8M Cache, 5.86 GT/s QPI, Turbo, HT
 VMware ESXi v3.5 embedded
 Additional Broadcom 5709 Dual Port 1GbE NIC
 iDRAC6 Express
 DVD ROM
 Ready Rails with Cable Management Arm
 5 Year Basic Hardware Warranty Repair; 5x10 HW-Only, 5x10 NbD Onsite
 Energy Smart Power Supply, Redundant, 570W
 (2) 73GB 15K RPM Serial-Attach SCSI 2.5" Hot Plug Hard Drive
- 3 **Dell Equal Logic Array**
 PS4000E 16TB Dual Controller 16x1TB SAS 15k SAN
 1yr Mission-Critical ProSupport 4hr
- 2 **VMware View Premier VDI-PRE-100-C-A 100 pack**
- 2 **VMware View Platinum Support 1yr 100 pack**
- 3 **LSA-00397 Windows Server Enterprise - No Hypervisor**
 (We may want Hypervisor for management of Thin Clients)
- 250 **R18-02729 Windows Server CAL 2008 Device**
- 50 **R18-02709 Windows Server CAL 2008**
- 1 **VMware Infrastructure Acceleration Kit for 8 processors**
 (VI Enterprise for 8 Processors, 1 VMware vCenter Server)
 Platinum (24x7) 1 Year Support

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: UPS for Server Room

Operational Funding Division: MIS Division **Project Name:** MIS UPS Server

Est. Total Cost FY 2012:	65,000	Est. Total Cost FY 2012-16:	65,000
City Share FY 2012:	65,000	City Share FY 2012-2016	65,000

Project Description:

Due to the upgrades of Hardware in the Server Rooms a new Universal Power Supply is needed to protect the City's investment. This will supply power to all servers, both at City Hall and at Public Works.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Justification for project implementation/construction and segments, if applicable:

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Quote from a Vendor

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	65,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	65,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

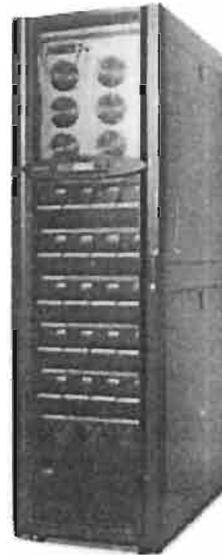
	2012	2013	2014	2015	2016	Future
Total Project Cost	65,000					
Non-City Share						
City Share	65,000	0	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)



APC Smart-UPS VT rack mounted 30kVA 480V in, 208V out w/5 batt mod., w/PDU & startup

Part Number: SUVTR30KG5B5S



Output

Output Power Capacity	24 kW / 30 kVA
Max Configurable Power	24 kW / 30 kVA
Nominal Output Voltage	120V,208V,208V 3PH
Output Voltage Note	Configurable for 200 : 208 or 220V 3 Phase nominal output voltage
Efficiency at Full Load	93%
Output Voltage Distortion	Less than 5% at full load
Output Frequency (sync to mains)	57 - 63 Hz for 60 Hz nominal
Crest Factor	Unlimited
Waveform Type	Sine wave
Output Connections	(1) Hard Wire 5-wire (3PH + N + G) (5) NEMA L21-20
Overload Operation	60 seconds @ 125% and 30 seconds @ 150%
Bypass	Built-in Maintenance Bypass,Built-in Static Bypass

Input

Nominal Input Voltage	480V 3PH
Input Frequency	40 - 70 Hz

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Lewiston Comprehensive Plan

Operational Funding Division: Planning & Code Enforcement **Project Name:** Comprehensive Plan

Est. Total Cost FY 2012:	135,000	Est. Total Cost FY 2012-16:	185,000
City Share FY 2012:	135,000	City Share FY 2012-2016	185,000

Project Description:

The City needs to develop a new comprehensive plan and develop the new zoning and land use controls that may be required to implement that plan.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

As of January 1, 2013, the 1997 Lewiston Comprehensive Plan will no longer be found by the State Planning Office to be consistent with the Growth Management Act. In addition, the need for an updated and revised Comprehensive Plan has been recognized in a variety of documents including the City's recently adopted Strategic Plan.

Justification for project implementation/construction and segments, if applicable:

The City needs to have a comprehensive plan that is consistent with State law. A plan that is not consistent can have a negative impact on funding opportunities from the State and Federal government. In addition, significant changes have occurred within the community since the current plan was adopted in 1997. The length of time that has passed and the changes that have occurred are strong indications that it would be prudent for the City to re-engage in the comprehensive planning process.

Future maintenance costs if known, including contracts and special service requirements:

None. However, planning is an ongoing process not limited to the development of a comprehensive plan.

How were cost estimates obtained:

The cost estimate was developed based on input from a consulting firm and Auburn's recent experience in developing a new plan. It is anticipated that the actual plan will cost \$135,000 with an additional \$50,000 for the required overhaul of the zoning and

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	185,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	185,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	135,000	50,000				
Non-City Share	0					
City Share	135,000	50,000	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title:

Street Rehab CDBG Area

Operational Funding Division: PW Highway - Streets **Project Name:** Street Rehabilitation Program

Est. Total Cost FY 2012:

475,000

Est. Total Cost FY 2012-16:

2,595,000

City Share FY 2012:

475,000

City Share FY 2012-2016

2,595,000

Project Description:

Rehabilitation of city streets in the CDBG area may include reconstruction or rehabilitation of both streets and sidewalks. The work may include, but not be limited to, new pavement, drainage, widening, and base work.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Rehabilitation of city street supports the City of Lewiston's Strategic Plan and the Public Works Department's Goal #4, "Improve the City's Pavement Conditions."

Justification for project implementation/construction and segments, if applicable:

Maintaining the City's infrastructure is a must. Underground installations, e.g., water and sewer lines, must be addressed before starting rehabilitation of city streets. Both our streets and sidewalks require serious attention. Many streets and sidewalks in the CDBG area are challenging to ride and walk on and challenging for the City's maintenance vehicles and equipment. A five year road maintenance plan including all City Streets was completed in 2010. Many of the streets in the CDBG area were found to need work. While sidewalks were not assessed in this plan, many also need work. Changes to the proposed rehabilitation plan may occur based on citizen input, funding, and observed changes in condition.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

The cost estimates are made by City staff.

FUNDING SOURCES

Source	Amount	Agency:	CDBG	Approval Received?	No
City Operating Budget					
City Bond Issue					
Federal/State Funding	2,595,000				
Other Agency/Municipality					
Total Project Costs	2,595,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	475,000	580,000	510,000	500,000	530,000	1.8M
Non-City Share	475,000	580,000	510,000	500,000	530,000	1.8M
City Share	0	0	0	0	0	

Proposed FY	Street	From	To	Length	Estimated Cost	Remarks
2012	Bates St.	Ash St.	End	2462	\$ 370,000.00	Estimate includes \$30,826 for main line cold planing, \$6,000 for pavement removal at the dead end and \$3,000 for a traffic loop at Ash St. Estimate includes curb and sidewalk work
2012	Oak St.	Sabattus St.	Park St.	1260	\$ 105,000.00	Estimate includes \$24,000 for main line cold planing. Shim and overlay. The street requires some curb resetting or replacing.
2012				Total	\$ 475,000.00	
2013	Blake St.	Ash St.	End	2480	\$ 580,000.00	Estimate has \$99,000 for pavement removal and includes curb/sidewalk rehab and full depth of the street
2013				Total	\$ 580,000.00	
2014	Howe	Birch St.	Sabattus St.	2240	\$ 510,000.00	Estimate removes all pavement adds shim gravel and places 2.5" base pavement, 1.25" surface pavement. Curb and sidewalk are also included
2014				Total	\$ 510,000.00	
2015	Pierce St.	Ash St.	End	1860	\$ 446,000.00	Estimate has \$74,000 for pavement removal, curb/sidewalk rehab and possible full depth of the street.
2015	Locust St.	Canal St.	Lincoln St.	450	\$ 54,000.00	Estimate has \$12,000 for pavement removal. Curb and sidewalk reconstruction and possible full depth are included in the estimate. Pavement is 5" 19mm and 1.5" surface.
2015				Total	\$ 500,000.00	
2016	Chestnut	Park St.	Canal St.	448	\$ 120,000.00	Estimate includes fine grading and repaving after possible full depth recon. Estimate includes curb and sidewalk rehab.
2016	Jefferson	Sabattus St.	Birch St.	1904	\$ 410,000.00	Estimate includes \$76,000 for pavement removal. Estimate also includes curb/sidewalk rehab or possible full depth of street.
2016				Total	\$ 530,000.00	
Future	Howard St.	Sabattus St.	Walnut St.	1249	\$ 290,000.00	Estimate has \$50,000 for pavement removal. Estimate includes curb and sidewalk recon.
Future	Shawmut St.	Sabattus St.	End	1544	\$ 350,000.00	Estimate has \$62,000 for pavement removal and includes curb and sidewalk rehab and possible rehab of street
Future	Bradley	Sabattus St.	Walnut St.	1073	\$ 240,000.00	Estimate has \$50,000 for pavement removal and includes curb/sidewalk rehab and possible full depth of the street
Future	Sylvan	Webster St.	Sabattus St.	1510	\$ 350,000.00	Reclaim entire street, add shim gravel fine grade and compact. Base and surface pavement. Sidewalk also includes in this estimate.
Future	Orange St.	Webster St.	Sabattus St.	1128	\$ 230,000.00	Reclaim entire street, add shim gravel fine grade and compact. Base and surface pavement. Sidewalk also includes in this estimate.
Future	Chestnut St.	Lincoln St.	Oxford St.	260	\$ 55,000.00	Estimate includes \$8,000 for pavement removal and curb/sidewalk and street recon.
Future	Lowell	Hammond St.	Chapel	900	\$ 225,000.00	Estimate has \$36,000 for pavement removal, curb/sidewalk and street recon included.
Future	Leeds St.	Pine St.	Webster	260	\$ 60,000.00	Estimate has \$10,000 for pavement removal. Curb/sidewalk also included in estimate.
				Total	\$ 1,800,000.00	

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: City of Lewiston GIS

Operational Funding Division: Public Works **Project Name:** Aerial Photography Update

Est. Total Cost FY 2012:	75,000	Est. Total Cost FY 2012-16:	75,000
City Share FY 2012:	75,000	City Share FY 2012-2016	75,000

Project Description:

Updated aerial photography and planimetric landbase mapping for the City's GIS. The Geographic Information System provides information and data management for integration into multiple City data bases to derive maps, generate reports, analysis, and related information. GIS is being implemented in various City Departments. Other specific GIS funding is being transferred to budgeted annual operational costs by those individual departments.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

City of Lewiston, Maine, GIS Needs Assessment Report written by Camp, Dresser & McKee

Justification for project implementation/construction and segments, if applicable:

Aerial Photography/Landbase mapping was last performed in spring 2006 as a GIS update project. Such updates are recommended every 3-6 years. Funding for 2012 will allow aerial photography in the spring of 2012 with project deliverables (seamless photo and landbase feature mapping) to follow during summer 2012. These updates are necessary to maintain our GIS, particularly changes in land use, roads, housing, wetlands, impervious surfaces, etc. Continued maintenance by staff, as well as these periodic aerial projects, are vital to maintaining a successful, robust, and accurate GIS which continues to enhance and increase the efficiency of management of information/facilities, planning, and analysis. Economic development, productivity, informational, and social needs have increased, supporting comprehensive use of this powerful tool. The City has meshed GIS into many operations including, but not limited to, parcel mapping, planning, permits, stormwater, roads, and utility/infrastructure asset management. Increased GIS integration has increased productivity through inter-relating key departmental databases. Ultimately, this means better service to the citizens.

The timing for this project is being coordinated with the City of Auburn with the intent of a joint mapping contract as was done in 2006, producing savings of tens of thousands of dollars for each community.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

The project originated from City Staff. The cost estimates were from consultants and past project history.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	75,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	75,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	75,000	0	0	0	0	
Non-City Share	0	0	0	0	0	
City Share	75,000	0	0	0	0	

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Gendron Business Park (Phase II)

Operational Funding Division: Public Works **Project Name:** _____

Est. Total Cost FY 2012:	200,000	Est. Total Cost FY 2012-16:	1,050,000
City Share FY 2012:	200,000	City Share FY 2012-2016	1,050,000

Project Description:

Design and permitting are complete and construction for Phase II of the Gendron Business Park is well underway. Phase II includes construction of two roads identified as Road A-1 (~2,500LF) and Road B (~900LF), including all utilities (water, sewer & above ground electric) as shown on plans attached to the joint venture agreement. Road A-1 (Gendron Dr) and Road B (Precilla Dr) are proposed to be City streets. The FY2012 funding will pay for the increased costs to the City of the wetlands off-site compensation resulting from the negotiations with MaineDEP and USACOE (~\$105,000) and a change due to unexpected underground water conditions in the area around retention pond 1 (~\$95,000). These were identified in the FY2011 LCIP but deferred. The FY2013 funding defers the construction of Road B (Precilla Drive) for a year, which may not be possible given the Joint Venture Agreement.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

This is an Economic Development Initiative. The City entered into a joint venture agreement with Gendron & Gendron, Inc. on October 9, 2003 for development of an area of the City off Alfred Plourde Parkway. The purpose is to provide lots suitable for industrial and/or other approved use development. The agreement provides a "trigger" for when the City's investment in these two roads must begin: (a) Work on Road A-1 (length ~2,500LF) shall begin only after four (4) lots along Gendron Drive are developed with not less than an aggregate of 100,000 square feet of buildings and the work will be completed not later than the end of the construction season following that time; (b) Road B (length ~ 900 LF) shall be completed within 48 months from the trigger point. The trigger point was met some time ago with the environmental permitting delaying construction start.

Justification for project implementation/construction and segments, if applicable:

The time frame identified in the Joint Venture Agreement to complete construction has already passed; however, environmental permitting delays and the down economy resulted in G&G not completing construction of Road A-1 (Gendron Drive) and has delayed the timing of this project. We are exploring an amendment to the Joint Venture Agreement to recognize these delays.

Future maintenance costs if known, including contracts and special service requirements:

The City will accept Gendron Drive and Precilla Lane as city streets. This includes the associated water, sewer, and stormwater structures and the stormwater detention ponds.

How were cost estimates obtained:

City Staff

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	1,050,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	1,050,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
			Road B Const			
Total Project Cost	200,000		850,000			
Non-City Share						
City Share	200,000		850,000	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Park Improvements

Operational Funding Division: Public Works Highway - Parks **Project Name:** Sunnyside & Pierce St Parks

Est. Total Cost FY 2012:	60,000	Est. Total Cost FY 2012-16:	60,000
City Share FY 2012:	60,000	City Share FY 2012-2016	60,000

Project Description:

Improvements to parks including ,but not limited to, landscaping, grounds, signage, and improvements or additions to lighting and structures such as fencing, benches, trash receptacles, etc. These improvements are intended for the enjoyment of area residents and to improve safety.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

The Riverside Greenway project involving a pedestrian pathway along the Androscoggin beginning in the vicinity of Sunnyside Park. The City of Lewiston Strategic Plan, "Pursue the best standards toward quality of life - Enhance the inspection and documentation of the City's parks and athletic equipment and address concerns with a higher sense of urgency."

Justification for project implementation/construction and segments, if applicable:

The two parks selected are unique. Sunnyside Park was recently funded for needed playground equipment. but needs additional benches, trash receptacles, and upgrades to its basketball court area. We anticipate use of this park will continue to grow due to the new playground as well as a planned pedestrian walkway entering nearby that will provide access to the Riverside Greenway trail. The other park, Pierce St. Park, is in need of a 'face lift' aesthetically as well as structurally (see page 2) and has received no funding in recent years. The last funding this park received was for upgrades to its entrance/exit staircase only. Both parks are the 'backyard' to many residents who do not have adequate play space for their children.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Cost estimates were provided by city staff.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	No
City Operating Budget				
City Bond Issue				
Federal/State Funding	60,000	CDBG	Approval Received?	No
Other Agency/Municipality		Agency:	Approval Received?	Yes No
Total Project Costs	60,000			

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	60,000					
Non-City Share*	60,000					
City Share	0	0	0	0	0	0

* CDBG (Community Development Block Grant)

PIERCE ST. PARK

Improvement Description	Detail	Cost
Pave 9,700 sq.ft at 2"	9,700 sq.ft. at 2"	\$ 15,000.00
Step removal due to decay- level to existing play area	416 cu.yds. Fill	\$ 4,500.00
Playground Mulch Installation	400 yds	\$ 10,000.00
Catch basin replacement	2 CBs	\$ 7,000.00
Green space maintenance and extension	16340 sq.ft.	\$ 5,000.00
Fence replacement	170' x6'	\$ 4,000.00
	Subtotal	\$ 45,500.00
*SUNNYSIDE PARK		
Improvement Description	Detail	Cost
Basketball court area -crack seal and seal	10,584 sq.ft.	\$ 1,200.00
Line court	1.5 courts	\$ 1,000.00
Backboard replacements	3	\$ 1,300.00
Bench installation	1	\$ 500.00
Trash receptacle installations	3	\$ 750.00
Lighting	2 poles with 2 lamps each	\$ 10,000.00
	Subtotal	\$ 14,750.00
*CDBG area		
	Total	\$ 60,250.00

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Road Rehabilitation

Operational Funding Division: Public Works **Project Name:** Road Rehab Program

Est. Total Cost FY 2012:	810,000	Est. Total Cost FY 2012-16:	3,590,000
City Share FY 2012:	810,000	City Share FY 2012-2016	3,590,000

Project Description:

Reconstruction or rehabilitation of deteriorated streets. The work may include, but not be limited to, new pavement, drainage, widening, and pavement base work. Addressing gravel base will take one of two forms: full depth reconstruction or pavement and gravel base reclamation.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

This project supports Public Works Goal, "Improve the City's Pavement Conditions - Reconstruct streets and roadways that have inadequate road base."

Justification for project implementation/construction and segments, if applicable:

Streets identified for attention are deteriorated to the point where any attempt to maintain them is too costly, a poor use of City resources, and does not meet the demands of the City's citizens. These streets are beyond the point where maintenance paving and routine maintenance will adequately address their problems. Only a surface reclamation or full depth rehabilitation will bring these streets back to safe and useable condition. The City has been under-funding street rehabilitation for a number of years and delaying much needed infrastructure maintenance. The result is a deterioration of the City's streets. Additional funding in FY2011 was significant, but there is still a considerable backlog of road rehabilitation projects.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff and citizens. The cost estimates are made by City Staff.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	3,590,000				
Federal/State Funding		Agency: <u>MDOT</u>	Approval Received?	<u>No</u>	
Other Agency/Municipality		Agency: _____	Approval Received?	<u>Yes No</u>	
Total Project Costs	3,590,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	810,000.00	480,000.00	790,000.00	980,000.00	530,000.00	900,000.00
Non-City Share						
City Share	810,000.00	480,000.00	790,000.00	980,000.00	530,000.00	900,000.00

Road Rehabilitation

Fiscal Year	Road	Area	L.F.	Cost	Annual Totals
FY2012	Olive	Lisbon St. to dead-end	740	\$ 50,000.00	\$ 810,000.00
	Cotton Rd.	Ferry Rd. to 35 Cotton Road	950	\$ 120,000.00	
	Cotton Rd.	Bridge at Salmon Brook to 2nd entrance to Commons Dr.	1750	\$ 210,000.00	
	Old Webster (mini)	mini-rehab on top hill before curve	300	\$ 50,000.00	
	Old Greene Rd.	Sabattus to North Temple exception of 500' where a culvert was installed in 2008. Ann to North Temple just resurface.	4250	\$ 380,000.00	
FY2013	Old Chadbourne Rd.	Chadbourne Rd. to Sabattus St.	2150	\$ 300,000.00	\$ 480,000.00
	Chadbourne Rd.	Sabattus St. to Old Chadbourne Rd.	1450	\$ 180,000.00	
FY2014	Old Webster	Old Lisbon Rd. to curve sharp curve	2600	\$ 310,000.00	\$ 790,000.00
	Old Lisbon Rd.	Old Webster Rd. to house # 145	3750	\$ 480,000.00	
FY2015	Merrill Rd.	College Rd. to house # 125	4350	\$ 570,000.00	\$ 980,000.00
	Sleeper Rd.	Merrill Rd. to town line	3150	\$ 410,000.00	
FY2016	River Road	Pump Station to Ferry Road	3000	\$ 390,000.00	\$ 530,000.00
	Taylor Hill	Main St. to dead-end	1150	\$ 140,000.00	

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Street Maintenance

Operational Funding Division: Public Works **Project Name:** Street Maintenance Program

Est. Total Cost FY 2012:	1,100,000	Est. Total Cost FY 2012-16:	4,960,000
City Share FY 2012:	1,100,000	City Share FY 2012-2016	4,960,000

Project Description:

Maintenance to city streets may include reclaim, pavement overlays, repairs, crack sealing, drainage improvements and patching. Improvements may also include traffic loops and other traffic controls. Public Works, on an annual basis, solicits bids from contractors to provide pavement overlay, pavement reclamation, and pavement milling. One or all of these activities are utilized during the fiscal year to pave programmed streets.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Maintaining city streets supports the City of Lewiston's Strategic Plan, the Public Works Department's Goal #4 "Improve the City's Pavement Conditions".

Justification for project implementation/construction and segments, if applicable:

Maintaining the City's infrastructure is crucial to the continuation of development in the City. The most widely used part of this infrastructure is the City street system, which is made up of approximately 200 miles of streets. A five year road maintenance plan was completed in 2010. Year one alone of the 5 year plan shows the program's need of 5.4 million in funding. In FY2011 a significant amount money was reallocated for street maintenance and reconstruction in the amount of over 2.3 million dollars. The 5 year plan is a tool but changes occur due to funding, citizen input and changes in infrastructure. This plan is used to develop the LCIP and is pared down to a more manageable amount for each year.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

The cost estimates are made by City staff using unit prices from recently complete projects similar in scope.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	N/A
City Operating Budget	1,100,000			
City Bond Issue				
Federal/State Funding		Agency:	Approval Received?	N/A
Other Agency/Municipality		Agency:	Approval Received?	N/A
Total Project Costs	1,100,000			

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	1,100,000	960,000	950,000	950,000	1,000,000	900,000
Non-City Share						
City Share	1,100,000	960,000	950,000	950,000	1,000,000	900,000

Planned Street Pavement Overlay Projects

Proposed FY	Street	From	To	Length	Estimated Cost	Remarks
2012	Montello	College St.	Gilmar Ave.	2620	\$ 115,000.00	shim and surface 1.25" 9.5 mm HMA
2012	Webber Ave.	Webster St.	Pleasant St.	2950	\$ 175,000.00	shim and surface 1.25" 9.5 mm HMA
2012	South Ave.	Pleasant	Lisbon St.	1435	\$ 80,000.00	shim and surface 1.25" 9.5 mm HMA
2012	*College St.	Russell	House #466	2650	\$ 150,000.00	shim and surface 1.25" 9.5 mm HMA
2012	College	Lemieux	Merrill	4300	\$ 170,000.00	shim and surface 1.25" 9.5 mm HMA
2012	River Rd.	Sewer Pump Station	Ferry Rd.	2900	\$ 170,000.00	Reclaim entire street add gravel 2.5" 19 mm and 1.25" 9.5mm
2012	Pinewoods Rd.	Vista Bella Dr.	Town Line	2600	\$ 170,000.00	Reclaim entire street add 700 yds gravel 2.5" 19mm HMA and 1.25" 9.5 mm HMA
2012	Walker St.	Pettingill St.	Brooks Ave.	1550	\$ 50,000.00	Shim .75" and surface 1.25"
2012	Crack Sealing and Miscellaneous Paving				\$ 20,000.00	
Total					\$ 1,100,000.00	

*College St., a State road, was paved from Merrill to the town line in the summer of 2010 with city funds. Public Works is requesting more funding to pave College from Russell to House #466 and Lemieux to Merrill both also needing immediate attention.

2013	Jans. Blvd	Webster St.	End	1260	\$ 55,000.00	shim .75" and resurface 1.25"
2013	Kavanaugh St.	Russell St.	Fairlawn ave.	500	\$ 40,000.00	Reclaim entire street add shim gravel 2.5" 19mm base and 1.25" 9.5 mm
2013	Shirley St.	Russell St.	Fairlawn ave.	500	\$ 40,000.00	Reclaim entire street add shim gravel 2.5" 19mm base and 1.25" 9.5mm
2013	Meador St.	Webber St.	End	600	\$ 15,000.00	1.25" 9.5 mm HMA surface
2013	Jepson St.	Pettingill St.	End	1520	\$ 95,000.00	Reclaim entire street add shim gravel 2.5" 19mm and 1.25" 9.5 mm
2013	Brooks Ave.	Main St.	Walker St.	1515	\$ 66,000.00	Pull bad areas shim .75" and resurface 1.25"
2013	Walker St.	Pettingill St.	Brooks Ave.	1550	\$ 50,000.00	Shim .75" and surface 1.25"
2013	Goddard Rd.	River Rd.	Atlantis Way	3225	\$ 277,000.00	Includes reclaiming 1100' full width , fine grade, 3" 19mm base pavement in reclaim area. Shim over 2200Lf at .75 and 1.5" surface with 12.5 mm HMA
2013	Williams St.	Central Ave.	End	274	\$ 40,000.00	Reclaim entire street. 2.5" base pavement and 1.25" surface pavement
2013	Pleasant St.	East Ave.	Jill St.	2100	\$ 115,000.00	Estimate Includes \$3,000 for traffic loop. Shim is .75 and resurface is 1.5"
2013	Challenger Dr.	A.P. Parkway	End	2195	\$ 139,000.00	Estimate includes \$8000 for pavement removal shim .75" with 9.5mm and surface with 1.5" of 12.5mm HMA
2013	Crack Sealing and Miscellaneous Paving				\$ 28,000.00	
Total					\$ 960,000.00	

2014	Ferry Rd.	Commercial St.	#111 Ferry Rd.	1875	\$ 210,000.00	Shim .75" and overlay 1.25" 9.5mm HMA
2014	Carrier Pl.	Martin Dr.	End	100	\$ 8,000.00	Shim .75" and overlay 1.25" 9.5mm HMA

Planned Street Pavement Overlay Projects

Proposed FY	Street	From	To	Length	Estimated Cost	Remarks
2014	Martin Dr.	Lisbon St.	Carrier Pl.	1570	\$ 155,000.00	Estimate Includes \$2,000 for traffic Control
2014	Mary St.	South Ave.	Goff.	1000	\$ 37,000.00	Shim .75" and overlay 1.25" 9.5mm HMA
2014	Goff St.	Mary St.	End	690	\$ 41,000.00	Estimate includes \$1,340 for pavement removal. 2.5" 19MM base. .75" shim and surface with 1.25" 9.5mm HMA
2014	Rosewood Ave.	Mary St.	Farwell St.	1000	\$ 55,000.00	Estimate includes \$2,670 for pavement removal. 2.5" 19mm base. .75 shim and surface with 1.25" 9.5 mm HMA
2014	Dawn St.	Mary St.	Farwell St.	930	\$ 46,000.00	Estimate includes \$1,330 for pavement removal. 2.5" 19mm base, Shim .75 and surface with 1.25"9.5mm HMA
2014	Edward Ave.	Mary St.	Sunset St.	609	\$ 30,000.00	Estimate includes \$1,330 for pavement removal. 2.5" 19mm base, Shim .75 and surface with 1.25"9.5mm HMA
2014	Sunset St.	South Avenue	Edward Ave.	250	\$ 20,000.00	Estimate has a \$2,000 for pavement removal. Place base pavement where needed. 2.5" 19mm base and 1.25" 9.5 mm HMA
2014	Morningside	Edward Ave.	End	970	\$ 63,000.00	Reclaim 216 of broken pavement. Add shim gravel and fine grade 2.5" 19., base and 1.25' 9.5mm HMA surface
2014	Farwell St.	Dawn Ave.	Rosewood Ave.	280	\$ 13,000.00	Shim .75" and resurface with 9.5mm HMA
2014	Sherbrooke Ave.	Montello St.	End	1440	\$ 81,000.00	Estimate Includes \$5,780 for pavement removal. Shim .75" and surface 1.25" 9m HMA
2014	Kensington Ter	Sherbrooke Ave.	End	1550	\$ 85,000.00	Estimate Includes \$5,780 for pavement removal. Shim .75" and surface 1.25" 9m HMA
2014	Hodgkins St.	Commercial St.	Pleasant St.	440	\$ 49,000.00	Reclaim entire street. Add shim gravel. Fine grade and compact. 2.5" of 19mm base and 1.26" of 9.5mm HMA surface
2014	Read St.	Lisbon St.	End	767	\$ 26,000.00	Estimate is for shim and overlay for Read St. Commercial St. to Lisbon St. shim only from Commercial St. to the dead end.
2014	Crack Sealing and Miscellaneous Paving				\$ 31,000.00	
Total					\$ 950,000.00	
2015	Martin Drive	Lisbon St.	Carrier Pl.	1570	\$ 155,000.00	Estimate includes \$2,000 for traffic control
2015	Martin Drive	Montello St.	Hogan Rd.	1965	\$ 93,000.00	Shim .75" and resurface with 9.5mm HMA
2015	Mitchell St.	Pleasant St.	End	1700	\$ 95,000.00	Shim .75" and resurface with 9.5mm HMA
2015	Hillmount St.	Valley St.	Pleasant St.	1032	\$ 64,000.00	Shim .75" and resurface with 9.5mm HMA
2015	Valley St.	Pleasant St.	Ashmount St.	1270	\$ 77,000.00	Shim .75" and resurface with 9.5mm HMA
2015	Grove St.	Sabattus St.	Damon St.	2450	\$ 153,000.00	Shim .75" and resurface with 9.5mm HMA
2015	Scribner Blvd	Webster St.	Lisbon St.	4100	\$ 200,000.00	Estimate includes \$6,000 for traffic loop at Scribner Blvd. Shim .75" and resurface 1.25" 9.5mm HMA
2015	East Ave.	Sabattus St.	Russell St.	840	\$ 66,000.00	Shim .75" and resurface with 9.5mm HMA
2015	Crack Sealing and Miscellaneous Paving				\$ 47,000.00	
Total					\$ 950,000.00	

Planned Street Pavement Overlay Projects

Proposed FY	Street	From	To	Length	Estimated Cost	Remarks
2016	Forrestral St.	Webster St.	Westminister St	1974	\$ 131,000.00	Shim .75" and resurface 1.5" with 9.5mm HMA
2016	Saratoga St.	Forrestral St.	Enterprise St.	2056	\$ 130,000.00	Estimate includes 3560 for pavement removal. Shim .75 " and resurface 1.5"
2016	A.P. Parkway	Webster St.	Lisbon St. overp	4300	\$ 281,000.00	Estimate includes \$1,600 loop for traffic control. \$6,000j for a traffic loop at Webster and Pleasant St. Him with .75" 9.5 mm and surface with 1.5" of 12.5mm HMA
2016	Montello	Old Greene Road	Stanley St.	804	\$ 46,000.00	Shim .75" and resurface 1.25" with 9.5mm HMA
2016	Webster	Pond Road	Old Lisbon Roa	2780	\$ 177,000.00	Estimate includes \$1,000 for pavement removal and 1600 for traffic control. Shim .75" and surface 1.25" with 9.5mm HMA
2016	Webster	A.P. Parkway	Jans Blvd	1828	\$ 96,000.00	Estimate Includes \$6,000 for traffic loop and \$1,600 for traffic control. Shim with .75" 9.5mm and resurface with 1.25" HMA
2016	Acadia	Pleasant St.	Lisbon St.	1450	\$ 87,000.00	Shim .75" and resurface 1.25" with 9.5mm HMA
2016	Crack Sealing and Miscellaneous Paving				\$ 52,000.00	
Total					\$ 1,000,000.00	

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Sidewalk and Handicap Ramp Improvements

Operational Funding Division: Public Works - Sidewalks **Project Name:** Sidewalk Program

Est. Total Cost FY 2012:	250,000	Est. Total Cost FY 2012-16:	250,000
City Share FY 2012:	25,000	City Share FY 2012-2016	25,000

Project Description:
 Rehabilitation and installation of sidewalks and handicap ramps in various locations around the city. Particular projects to be undertaken will be identified during the budget process. ATRC has included \$500,000 in their application for the 2012-2015 Maine DOT work plan.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:
 ARTC Sidewalk Inventory.

Justification for project implementation/construction and segments, if applicable:
 To repair deteriorated City sidewalks, making them accessible to handicapped persons. This project includes repair and rehabilitation of existing sidewalk and installation of sidewalk in high demand areas where none exists. All areas in the vicinity of schools and hospitals should have a sidewalk; sidewalks that do exist should be in satisfactory condition. The City is falling behind in its efforts to maintain existing sidewalks, many of which are degrading to the point where they have become a potential safety hazard resulting in increased spot maintenance costs. Many of these needs are in the CDBG area and have been included in rehabilitation projects. A regular program of sidewalk rehabilitation and handicap accessibility upgrades is needed to adequately protect and maintain the City's infrastructure investment.

In June 2003, the U.S. Supreme Court let stand a ruling that Sacramento, CA must make all public sidewalks accessible to disabled Americans under the Americans with Disabilities Act. The case stemmed from a class-action lawsuit against the city by wheel-chair bound and vision-impaired citizens and required the city to remove all obstacles (benches, fire hydrants, newspaper racks, mailboxes, trees, utility and traffic signal poles, etc.), eliminate roots and other protruding objects, and make sure the sidewalks were level. Sacramento settled the lawsuit, but must dedicate 230% of transportation funds for the next 30 years to improve sidewalks, crosswalks, and curb ramps. The City had spent \$12 Million to improve sidewalks in the 3 years before the settlement was reached. If this happened in Lewiston, it would place a dramatic strain on our operating and capital budgets.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:
 This project originated from City Staff. The cost estimates are made by City Staff.

FUNDING SOURCES

Source	Amount				
City Operating Budget	25,000				
City Bond Issue					
Federal/State Funding	225,000	Agency: <u>MEDOT</u>	Approval Received?		No
Other Agency/Municipality		Agency: _____	Approval Received?		Yes No
Total Project Costs	250,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	250,000					
Non-City Share	225,000					
City Share	25,000	0	0	0	0	0

Sidewalk	Area	L.F.	Cost
College St.	Geiger School area	1875	\$ 75,000.00
East Avenue	Sabattus St. to Montello St. (bit. curb)	4400	\$ 175,000.00

Total \$ 250,000.00

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Ash Street Improvements Phase II

Operational Funding Division: Public Works **Project Name:** _____

Est. Total Cost FY 2012:	490,000	Est. Total Cost FY 2012-16:	490,000
City Share FY 2012:	490,000	City Share FY 2012-2016	490,000

Project Description:

New pavement overlay, curb and sidewalk improvements, tree planting, storm drainage improvements, pedestrian and street lights, and green space from Bates St. to Canal. Phase I (Sabattus to Bates St.) was funded (\$393,000) in FY2011. This is phase II to complete the rehab of this street in a similar fashion as what was done on Pine St.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

This project is consistent with the Downtown section of the Comprehensive Plan and the Downtown Renaissance Task Force Master Plan and supports Public Works Goal #4, "Improve the City's Pavement Conditions - b. Reconstruct streets and roadways that have inadequate road base."

Justification for project implementation/construction and segments, if applicable:

This project is needed in order to improve traffic flow and the appearance of this access point to the City. It may also provide an impetus for future redevelopment in the area. The sidewalks in this area are deteriorating, and the timing of this project would work well with others planned for the downtown.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff, local and community input, and the 1983 LACTS Corridor Study Report. Cost estimates were obtained from City staff, MDOT, and Land Plan Associates.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	490,000				
Federal/State Funding		Agency: _____	Approval Received?	Yes	No
Other Agency/Municipality		Agency: _____	Approval Received?	Yes	No
Total Project Costs	490,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	490,000					
Non-City Share						
City Share	490,000	0	0	0	0	

ASH STREET IMPROVEMENTS: CANAL TO BATES STREET

ITEM	UNIT	QUANTITY	COST/UNIT	COST
Concrete Pavers	S.F.	\$ 6,800.00	\$ 9.00	\$ 63,000.00
Fencing	L.F.	\$ 140.00	\$ 50.00	\$ 9,000.00
New Curbing	L.F.	\$ 840.00	\$ 45.00	\$ 37,250.00
Stairs	L.S.	\$ 1.00	\$ 5,000.00	\$ 5,000.00
Remove Concrete Walk	L.S.	\$ 1.00	\$ 1,500.00	\$ 1,500.00
Water Line Completion	L.F.	\$ 600.00	\$ 100.00	\$ 60,000.00
Street Light Base	E.A.	\$ 4.00	\$ 500.00	\$ 2,000.00
Light Pole	E.A.	\$ 4.00	\$ 3,000.00	\$ 12,000.00
Conduit & Elec. (Secondary)	L.S.	\$ 1.00	\$ 18,000.00	\$ 18,000.00
Asphalt Overlay	Ton	\$ 150.00	\$ 65.00	\$ 10,000.00
Cold Planing	L.S.	\$ 1.00	\$ 10,000.00	\$ 10,000.00
			SUBTOTAL	\$ 224,250.00
			ENGINEERING	\$ 15,000.00
			CONTINGENCY	\$ 23,000.00
			TOTAL	\$ 490,000.00

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: DOT1 MTA Exit 80 Interchange Improvements

Operational Funding Division: Public Works **Project Name:** DOT MAT Ext 80

Est. Total Cost FY 2012:	7,500,000	Est. Total Cost FY 2012-16:	25,000,000
City Share FY 2012:	0	City Share FY 2012-2016	0

Project Description:

The Maine Turnpike Authority (MTA) Capital Program allocates \$2.5 million in 2011/2012 for the Exit 80 Interchange Phase 1 improvements. The Maine DOT Statewide Transportation Improvement Program (STIP) for 2010-2013 (revised Sept 2009) includes \$5 million (PIN# 008850.00) to perform preliminary engineering and right-of-way acquisition to implement improvements needed along Plourde Parkway and the ramps to/from Rte 196 (Lisbon St.) This project is a partnership between the MaineDOT and the Maine Turnpike Authority and will include improvements to the exit and entrance ramps along with addressing high crash areas and safety improvements on the supporting roadways of AA Plourde Parkway and Lisbon St. Presentations on this project were made to the City Councils of both Lewiston and Auburn and two public hearings were held in early fall 2010.

This project is funded totally with Turnpike, State, and Federal funding. The MTA is expected to provide \$13 to \$16 million for interchange improvements. DOT would use State and Federal Funds for the Plourde Parkway work south of the rail road (estimated to cost \$3 to \$4 million) and for other Parkway and Lisbon St improvements (estimated to cost \$4 to \$5 million). Total estimated cost is \$20 to \$25 million.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Exit 80 improvements are specifically identified as a goal in the Economic Development Section of the Strategic Plan. The City Council has also established these improvements as a City priority.

Justification for project implementation/construction and segments, if applicable:

Exit 80 and the supporting roadways are working at near capacity with safety issues and high crash areas needing attention. Both the MaineDOT and MTA recognize the need. These improvements will enhance the capacity of these roads and support development in the South Lewiston growth area

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from Maine DOT and MTA personnel. All estimates were generated by MTA & Maine DOT.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue					
Federal/State Funding	9,000,000	Agency:	<u>MeDOT</u>	Approval Received?	<u>2012 Yes</u>
Other Agency/Municipality	16,000,000	Agency:	<u>MTA</u>	Approval Received?	<u>2012 Yes</u>
Total Project Costs	25,000,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	7,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000
Non-City Share	7,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000
City Share	0	0	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Sabattus St Traffic Signal Hazard Elimination Project

Operational Funding Division: Public Works **Project Name:** Sabattus St Traffic Signal

Est. Total Cost FY 2012:	600,000	Est. Total Cost FY 2012-16:	600,000
City Share FY 2012:	0	City Share FY 2012-2016	0

Project Description:

The MeDOT Hazard Elimination Program (HEP) selected this project based on a cost-benefit based system taking into account the number of recent crashes and the costs associated with correcting some of the problems. This project rated near the top of the list of potential projects. The proposed work would update signal controller hardware as needed, upgrade and install vehicle detection, and improve signal coordination and communication to the signals on Sabattus Street through installation of a fiber cable that would also extend to the traffic signal at the intersection of East Avenue and Russell Street. This would interconnect and coordinate an additional 14 traffic signals to the 19 other signals already connected in Lewiston through our Traffic Signal Management System controlled at ATRC.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Androscoggin Transportation Resource Center (ATRC) 6 & 20 year Transportation Improvement Program.

Justification for project implementation/construction and segments, if applicable:

Maine DOT evaluated this project and compared it with other potential projects based on a cost benefit analysis of recent accidents and upgrade costs.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff, ATRC, and MDOT. Cost estimates were obtained from ATRC. No local funding is required.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue					
Federal/State Funding	600,000	Agency: <u>MDOT</u>	Approval Received?	<u>Yes</u>	
Other Agency/Municipality		Agency: _____	Approval Received?	<u>Yes</u>	<u>No</u>
Total Project Costs	600,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	600,000					
Non-City Share	600,000	0	0			
City Share	0	0	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Lewiston Riverside Greenway

Operational Funding Division: Public Works **Project Name:** Riverside Greenway

Est. Total Cost FY 2012:	2,144,000	Est. Total Cost FY 2012-16:	2,144,000
City Share FY 2012:	464,000	City Share FY 2012-2016	464,000

Project Description:

The project is part of an envisioned bicycle/pedestrian corridor along the Androscoggin River enabling residents, workers, and visitors to bicycle or walk to work, parks, cultural attractions, businesses, government offices, and shopping areas in downtown Lewiston and on outer Main St (Rte 202). On street portions of the project will rehabilitate roadways to accommodate two 5 foot pathways through resurfacing, paving, striping, markings, and signage to provide a safe ADA compliant pathway. Crosscountry portions of the project will include 8 to 10 foot wide pathway on a 12" gravel base with underdrain and pavement surface. Fences and railings will be installed for access and safety. A bridge will span Jepson brook. As part of the East Coast Greenway linking cities along the east coast, initial funding has already been received to support the project. The Maine DOT Statewide Transportation Improvement Program (STIP) for 2010-2013 (revised Sept 2009) identifies three project phases for Lewiston's Riverside Greenway Bicycle/Pedestrian Path (see next page for summary). These initial phases/projects are to establish the trail heads from which the trails will begin.

The projects are included in the DOT STIP. Additional future phases of the project are identified on the next page.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Androscoggin Transportation Resource Center (ATRC) 6 & 20 year Transportation Improvement Program.

Justification for project implementation/construction and segments, if applicable:

MeDOT previously funded preliminary engineering and right-of-way acquisition. In 2010, DOT funded the first two phases (on-road sections) at a total cost of \$700,000. This was an increase from our original estimate of \$560,000, requiring the City to add \$44,000 to previously approved amounts. DOT has recently indicated that they expect the off-road portions of the pedestrian/bicycle path will be funded in the FY2012 Federal & State Program. The estimated total cost of this phase is \$2,100,000 with a \$420,000 local (City) share. Total City funds needed for FY2012 are \$464,000.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff, ATRC and LA Trails. Cost estimates were obtained from MeDOT.

FUNDING SOURCES						
Source	Amount					
City Operating Budget						
City Bond Issue	464,000					
Federal/State Funding	1,680,000	Agency:	<u>MDOT</u>	Approval Received?	<u>Pending</u>	
Other Agency/Municipality		Agency:		Approval Received?	<u>Yes</u>	<u>No</u>
Total Project Costs	2,144,000					
IMPLEMENTATION SCHEDULE (Fiscal Years)						
	2012	2013	2014	2015	2016	Future
Total Project Cost	2,144,000					
Non-City Share	1,680,000					
City Share	464,000					

Maine Department of Transportation Statewide Transportation Improvement Program (STIP) 2010-2013

		Total Funds to Date	Federal / State	Local (City)
PIN 0017466.00	Lewiston Riverside Greenway New Construction bicycle/pedestrian improvements from Main St to Sunny Side Park (On-street phase 1 sidewalks)	\$460,000	\$368,000	\$92,000
PIN 0017467.00	Lewiston Riverside Greenway New Construction sidewalks on Tall Pine Drive connecting housing complexes to business are on Main St and up to College St. (On-street phase 1 sidewalks)	\$240,000	\$192,000.0	\$48,000.0

Total to Date = \$ 700,000 \$ 560,000 \$ 140,000

Local (City) Funding to Date = \$ 96,000

Additional City Funds needed for approved projects = \$ 44,000

DOT expects the next phase to be approved for FY2012 funding

Sunnyside Park to Tall Pines Off-road path \$ 2,100,000 \$ 1,680,000 \$ 420,000

Total Local (City) Funds needed for FY2012 = \$ 464,000

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Lisbon St (Rte 196) Pavement Preservation

Operational Funding Division: Public Works - DOT Projects **Project Name:** Lisbon St.

Est. Total Cost FY 2012:	1,430,000	Est. Total Cost FY 2012-16:	1,430,000
City Share FY 2012:	143,000	City Share FY 2012-2016	143,000

Project Description:

Grind and overlay pavement on Rte 196, Lisbon St., from Westminster St. to the Lisbon town line (~2.46 miles). This is a pavement preservation project ranked as the third project priority for the region by the Androscoggin Transportation Resource Center Technical Committee.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Androscoggin Transportation Resource Center (ATRC) 6 & 20 year Transportation Improvement Program.

Justification for project implementation/construction and segments, if applicable:

Regular surface overlays extend the life of roadways and prevent the need for complete reconstruction, which is very costly. The condition of the pavement on this stretch of Rte 196 is showing its age and needs resurfacing.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff, and ATRC. Cost estimates were obtained from ATRC.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	143,000				
Federal/State Funding	1,287,000	Agency:	<u>MDOT</u>	Approval Received?	<u>Pending</u>
Other Agency/Municipality		Agency:	<u> </u>	Approval Received?	<u>Yes No</u>
Total Project Costs	1,430,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	1,430,000					
Non-City Share	1,287,000		0			
City Share	143,000		0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Street Light Wiring Replacement

Operational Funding Division: Public Works **Project Name:** Lisbon St.- Main to Chestnut

Est. Total Cost FY 2012:	65,000	Est. Total Cost FY 2012-16:	65,000
City Share FY 2012:	65,000	City Share FY 2012-2016	65,000

Project Description:

Replace all conductors supplying power to lighting and outlet circuits on Lisbon St. from Main St. to Chestnut St.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Justification for project implementation/construction and segments, if applicable:

The wiring supplying power to the ornamental lighting and utility outlets on Lisbon St. was installed as part of an MeDOT road rehab project undertaken in 1981. The lighting equipment was replaced in 2001 with no work done to the rest of the electrical infrastructure. The circuitry has been failing in the last several years and has become very problematic. It is likely that without replacement Christmas lighting will not be supported by the system, especially the block between Chestnut St. and Pine St.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

City Staff and unit pricing received as part of the overall work done on the Southern Gateway project.

FUNDING SOURCES

Source	Amount				
City Operating Budget	65,000				
City Bond Issue					
Federal/State Funding		Agency:		Approval Received?	Yes No
Other Agency/Municipality		Agency:		Approval Received?	Yes No
Total Project Costs	65,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	65,000					0
Non-City Share						
City Share	65,000	0	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Landfill Regulatory Requirements

Operational Funding Division: Public Works **Project Name:** Intermediate Landfill Cover

Est. Total Cost FY 2012:	200,000	Est. Total Cost FY 2012-16:	500,000
City Share FY 2012:	200,000	City Share FY 2012-2016	500,000

Project Description:

Compliance with regulatory (Maine DEP) requirements of the City's landfill operating permit by installing an intermediate cover over 175,000 sq.ft of the landfill.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Addresses the goal of improving the Facility's compliance record (PW-12) by implementing the requirements of the City's Solid Waste Facility's Operations Manual (DEP regulatory requirement).

Justification for project implementation/construction and segments, if applicable:

This project is based on the City's DEP issued permit to operate a secure landfill and DEP regulatory requirements (CMR 401.4(C)(6&8)) to install cover on sections of the secure landfill which have reached final grade or will be inactive for 6 months or longer. The purpose of this requirement is to limit rain infiltration into the waste mass and promote clean run-off from the site. This action promotes stability of the waste mass and reduces the generation of contaminated run-off (leachate) which could contaminate groundwater. Installation of intermediate cover is addressed in the Facility's Operational Closing Sequence Plan (Appendix F of the Facility's Operations Manual (OM)), which was approved as part of the City's DEP issued operating permit. Failure to fund this project will result in regulatory enforcement action. The 2012 funding request is for this anticipated intermediate cover requirement.

Future maintenance costs if known, including contracts and special service requirements:

A \$150,000 expenditure is anticipated in FY2014 to replace worn/damaged interim cover that can no longer be repaired. A \$150,000 expenditure is anticipated for FY2016 to install interim cover over sections of Cell #4 that are at final grade.

How were cost estimates obtained:

This project originated from City Staff. Cost estimates were obtained from City Staff and RTD Enterprises, Inc.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	500,000				
Federal/State Funding		Agency:	<u> </u>	Approval Received?	Yes No
Other Agency/Municipality		Agency:	<u> </u>	Approval Received?	Yes No
Total Project Costs	500,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	200,000		150,000		150,000	
Non-City Share						
City Share	200,000	0	150,000	0	150,000	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: PW Municipal Garage

Operational Funding Division: Municipal Garage **Project Name:** Equipment Replacement

Est. Total Cost FY 2012:	1,300,000	Est. Total Cost FY 2012-16:	4,700,000
City Share FY 2012:	1,300,000	City Share FY 2012-2016	4,700,000

Project Description:

Replacement of Public Works vehicles and equipment as well as additions to fleet to allow for greater efficiencies and therefore cost savings.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Public Works Equipment Replacement Plan. The reason for the requested increase is due to a change in winter operations from having designated sanders to combination salt/plow trucks.

Justification for project implementation/construction and segments, if applicable:

- | | |
|-------------------------------|--|
| 1. Unavailability of parts | 2. Expensive downtime/loss of productivity |
| 3. Expensive repair costs | 4. High operating costs |
| 5. Technological improvements | 6. Multi-use vehicles and equipment |
| 7. Increased service | 8. Increased reliability |
| 9. Increased productivity | |

How were cost estimates obtained:

Cost estimates were obtained from City staff with assistance from equipment suppliers

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget	1,300,000				
City Bond Issue					
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	1,300,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	1,300,000	840,000	710,000	870,000	980,000	
Non-City Share						
City Share*	1,300,000	840,000	710,000	870,000	980,000	0

* Some of this may be offset by the "Municipal Garage Sinking Fund"

Attach on separate page(s)/sheet additional information (if needed)

FIVE YEAR EQUIPMENT REPLACEMENT SCHEDULE

Planned FY	Description	Cost	Explanation
2012	1- 1 1/4 4x4 Dump with plow & 2 1/2 Ton 4x4 Pickups	\$ 91,000	* Replacement of Unit 508 (1995) Units 509(1998) currently at the SWF and 819 (1999) in the Parks Division will be traded in our auctioned off. The current Unit 6 and unit 100 will replace the old 509 and 819. The new truck
2012	2- Plow Sander Trucks	\$ 275,000	**Replacement of Units ** 124(1996) and 125 (1997)
2012	1- Vacuum Sweeper	\$ 250,000	*Replacement of Unit 91 (1993)
2012	1- Loader Mounted Blower	\$ 120,000	*Replacement of Unit 80 (1992)
2012	1- Sidewalk Sweeper	\$ 132,000	*Replacement of Unit 811 (1999)
2012	1-1 1/4 4x4 Dump with plow	\$ 49,000	*Replacement of Unit 17 (1998) - With approval, the old Unit 17 will be kept and the unit re-numbered and put into use for summer temporary park maintenance workers instead of renting at \$525.00 per month for 4-5 months.
2012	1 - 3/4 Ton 4x4	\$ 25,000	*Replacement of Unit 160 (1998) - The Unit 160 currently used as the Municipal Garage Fuel Truck, with approval will be kept for summer temp use in parks maintenance instead of renting (see unit 17)
2012	1- Topdresser	\$ 14,000	Addition to the Fleet - work presently contracted out
2012	1-Pavement Saw	\$ 16,000	*Replacement of Unit 112
2012	1- Core Aerator	\$ 8,000	*Replacement of Unit 804 attachment
2012	1- Mid Size Tractor	\$ 40,000	*Replacement of Unit 804 (1995)
2012	2- Plow/Sander Trucks	\$ 275,000	**Replacement of Units 121 (2008) and 122 (2010)
FY2012 Total		\$ 1,295,000	

* Due to age and condition of equipment

** Due to change in winter operations specifically from designated sanders to combination salt/plow trucks for winter 2011/2012

The proposed FY2012 Equipment Replacement Schedule above is presented in order of priority as considered by the operators and maintenance personnel in the department.

Planned FY	Description	Cost	Explanation
2013	Excavator	210,000	Replacement of Unit 51 (1995)
2013	Grader	230,000	Replacement of Unit 62 (1991)
2013	Backhoe Loader 4X4	100,000	Replacement of Unit 57 (1995)
2013	Skid Steer	35,000	Replacement of Unit 154 (1994)
2013	3/4 Ton Pickup 4X4	23,000	Replacement of Unit 161 (2001)
2013	Used SUV	18,000	Replacement of Unit 601 (2000)
2013	3/4 Ton Pickup 4X4 with Plow	27,000	Replacement of Unit 22 (2000)
2013	1 1/4 Ton 4X4 Dump	53,000	Replacement of Unit 808 (1999)
2013	1/2 Ton P/U	17,000	Replacement of Unit 5 (2001)
2013	1/2 Ton P/U	17,000	Replacement of Unit 101 (1999)
2013	Cement Mixer	5,000	Replacement of Unit 113 (1989)
2013	Front Deck Mower	13,000	Replacement of Unit 812 (1997)
2013	1/2 Ton Pickup	17,000	Replacement of Unit 4 (2002)
2013	Misc. Small Equipment	5,000	Attachments to various equipment

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Lisbon St. Fire Sub-Station Roof Replacement Project

Operational Funding Division: Public Works - Buildings **Project Name:** Lisbon St Fire Station Roof Rep.

Est. Total Cost FY 2012:	50,000	Est. Total Cost FY 2012-16:	50,000
City Share FY 2012:	50,000	City Share FY 2012-2016	50,000

Project Description:

Replace the Lisbon Street Fire Sub-Station original gravel surface cold tar pitch roof membranes with an EPDM (Ethylene Propylene Diene Terpolymer) roof membrane system and install R-30 polyisocyanurate closed cell core insulation.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Justification for project implementation/construction and segments, if applicable:

The Lisbon Street Fire Sub-station roof was installed in 1949. The roof system is the original roof. It now leaks and has no roof insulation. The Lisbon Street Sub-Station is manned 24/7 by the Fire Department. With new roof insulation, the City will reduce its energy costs. The pay back for the insulation cost is five years. The boiler was replaced in the fall of 2009 and was designed with the knowledge that the City would be adding roof insulation. Right now, the heating system is under designed and isn't running at peak efficiency.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Staff and roofing study completed by Independent Roof Services in 2008.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	50,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	50,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	50,000					
Non-City Share						
City Share	50,000	0	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

2013	Dump Trailer	70,000	Replacement of Unit 179T (1989)
FY2013 Total		840,000	

FIVE YEAR EQUIPMENT REPLACEMENT SCHEDULE

Planned FY	Description	Cost	Explanation
2014	Bulldozer 6 Ton	170,000	Replacement of Unit 55 (1987)
2014	Backhoe/Loader	100,000	Replacement of Unit 59 (1996)
2014	Vibratory Roller	80,000	Replacement of Unit 79 (1991)
2014	1/2 Ton Pickup	19,000	Replacement of Unit 39 (2002)
2014	1/2 Ton Pickup	19,000	Replacement of Unit 10 (2003)
2014	1/2 Ton Pickup	19,000	Replace Unit 3 (2000) for used pickup for temp
2014	1 1/4 Ton 4X4 Dump	50,000	Replacement of Unit 21 (2001)
2014	Sidewalk Tractor	130,000	Replacement of Unit 146 (2003)
2014	Hay Baler w/ trailer	11,000	Replacement of Unit 116 (1995)
2014	Field Mower	60,000	Replace Unit 803 (2004)
2014	2 Wackers	5,000	Replacement of Units 11W and 12W Year?
2014	Curbing Machine and Trailer	8,000	Replacement of Unit 137 (1991)
2014	3 Trailers	8,000	Replacement of Trailers 173T, 180T and 172T
2014	Misc. Small Equipment	5,000	Attachments to various equipment
2014	2- Front Deck Mowers	26000	Replacement of Units 802 and 814 (2004)
FY2014 Total		710,000	

Planned FY	Description	Cost	Explanation
2015	12 CU Yd Dump	210,000	Replacement of Unit 33 (1998)
2015	Used SUV	18,000	Replacement of Unit 604 (2004)
2015	Sidewalk Tractor	130,000	Replacement of Unit 813 (2004)
2015	Bulldozer	200,000	Replacement of Unit 56 (1989)
2015	Used SUV	18,000	Replacement of Unit 505 (2004) - The old Unit 2
2015	1/2 Pickup 4X4	18,000	Unit 819 (2004) will be auctioned off or traded and
2015	1/2 Pickup	17,000	Unit 509 (2004) will be auctioned off or traded and
2015	1/2 Pickup 4X4	18,000	Replacement of Unit 602 (2004)
2015	Snow Blower	135,000	Replacement of Unit 81 (1999)
2015	Skid Steer	35,000	Replacemenyt of Unit 156 (1998)
2015	Skid Steer	35,000	Replacement of Unit 155 (1999)
2015	Compressor	15,000	Replacement Unit Unit 86 (1988)
2015	Tri-axle Trailer	8,000	Replacement of Unit 171T (1987)
2015	3 Wackers	8,000	Replacement of Units 13W, 14W and 15W
2015	Misc Small Equipment	5,000	Attachments for various equipment
FY2015 Total		870,000	

Planned FY	Description	Cost	Explanation
2016	3- 7 CY Dump Trucks	495,000	Replace Units 18 (1999), 12 (2000) and 14 (2000)
2016	Car	19,000	Replace Unit 605 (2005)
2016	Dump Truck Landscape	70,000	Replace Unit 38 (2004)
2016	Utility Truck	40,000	Replace Unit 35 (2004)
2016	Backhoe Loader	110,000	Replace Unit 58 (2000)
2016	Wheeled Loader	225,000	Replace Unit 65 (1996)
2016	Compressor	16,000	Replace Unit 85 (1988)
2016	Misc Small Equipment	5,000	Attachments to various equipment
FY 2016 Total		980,000	

FY 2012 Lewiston Capital Improvement Program

Project Description Form

Project Title:

Public Works Buildings Boiler Replacement Project

Operational Funding Division:

Public Works - Buildings

Project Name:

BLDG 3

Est. Total Cost FY 2012:

500,000

Est. Total Cost FY 2012-16:

500,000

City Share FY 2012:

250,000

City Share FY 2012-2016

250,000

Project Description:

Replace the oil fired steam boiler with multiple gas fired hot water boilers. This proposal would provide separate boilers and heating systems for the PW Garage and the PW Annex. It also includes installing gas fired radiant heaters in the truck bays and replacing the propane heating system in the PW Store. A new control system would be included to increase efficiency and provide for better management of the heating needs of the facility. The total project cost is \$500,000. We propose using \$230,000 from the FY 2011 Lewiston Capital Improvement Program (City Building Energy Efficiency and City Ventilation Projects) to complete this project. All the proposed FY 2011 LCIP projects were completed leaving this balance. Unutil Gas has a rebate program that the City may receive assistance from. If funding is still available, we estimate we could receive a \$20,000 rebate.

Consistency with the Comprehensive or Strategic Plans or other related planning documents: N/A

Justification for project implementation/construction and segments, if applicable:

The oil fired steam boiler is over 40 years old and requires more than the normal amount of maintenance. We have spent an average of \$3,000 each of the last three year on maintenace. A gas boiler system runs cleaner and would reduce maintence cost significantly. Almost all of the PW office space heating systems have been recently converted to hot water. The existing oil boiler is about 65 percent efficient, while gas boilers are up to 95 percent efficient. The proposed multiple boiler system would provide enough heat to keep the building from freezing if one of the units breaks down. The multiple boiler system would also save money during the spring and fall when we need less than full capacity for heating; at that time, only one of the boilers would need to run to meet the current load. The garage bays are now heated with steam heaters that are forty years old. We have replaced several units in the last couple of years. This project would replace these units with gas fired radiant heaters which are much more efficient and effective in heating garage spaces similar to the PW garage.

The PW store is now being heated with a propane heater that cannot meet the needs of the building. We currently use portable electrical heaters for each of the three employees working in the store to supplement the heating system. The project would include adding a new separate boiler system in the annex. This would eliminate the underground steam pipe system running in what is considered a confined space between the two buildings. At \$2.30 a gallon for fuel oil and \$1.40 a therm for natural gas, the new boilers alone would save approximately \$21,000 per year. At 3.40 a gallon, the savings would be \$40,000 per year. With new controls and an updated heating system we could expect to save an additional \$7,000 per year.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Cost estimate from Integrated Energy Systems.

FUNDING SOURCES

Source	Amount			
City Operating Budget				
City Bond Issue	\$ 230,000	FY 2011 LCIP		
City Bond Issue	\$ 250,000	FY2012 LCIP		
Federal/State Funding		Agency:	Approval Received?	Yes No
Other Agency/Municipality	20,000	Agency: Until Rebate	Approval Received?	Pending
Total Project Costs	500,000			

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	500,000*					
Non-City Share	20,000					
City Share	250,000	0	0	0	0	0

* \$230,000 from FY2011 Balance

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: City Hall Building Emergency Generator System

Operational Funding Division: Public Works - Buildings **Project Name:** BLDG 2

Est. Total Cost FY 2012:	100,000	Est. Total Cost FY 2012-16:	100,000
City Share FY 2012:	0	City Share FY 2012-2016	0

Project Description:

Design, purchase, and install an emergency generator with transfer switch and fuel supply for the City Hall Building. Size of generator has been estimated at 200 to 250 K.W.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Justification for project implementation/construction and segments, if applicable:

The City Hall building housing services provided to residents of the City in such areas as health, social, and human services. It also houses the hub of the City's telecommunications infrastructure, including systems serving the Police and Fire Departments. Municipal services are most important during significant emergencies, such as the Ice Storm of 1998 when we experienced major power outages. Power is needed to provide telephone service, computers, and lights for employees dealing with such emergencies. This system would also provide power to maintain City Hall operations during minor outages. There have been many occasions when we had to close City Hall early because of a minor outage. Lack of back-up power capabilities within the City's public infrastructure was identified as a major deficiency in the City's overall emergency preparedness posture.

The existing emergency generator is too small to handle the larger load of the new heating system recently installed at City Hall. The new system now uses hot water rather than steam, requiring much more electricity to heat the building. Hot water has to be distributed with pumps to fan coil units on the first and second floor and fin tubes for the third floor. The fan coil units require electricity to provide heat in the winter and air conditioning in the summer. If we lose power during the winter, only the third floor would have heat.

A potential benefits of installing a larger standby generator at City Hall is the ability to avoid the Forward Capacity charges levied on every electrical service within the New England Electrical Pool grid, allowing us to move off-line on peak days. Based on the Capacity Tag assigned City Hall for the period of June 1, 2010 to July 1, 2011 that account would save \$454 per month or \$5450 for that period. Capacity Tags are set by ISO-New England annually, so the potential savings would vary from year to year.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Cost estimate from City Staff.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue					
Federal/State Funding	100,000	Agency: Homeland Security	Approval Received?	Pending	
Other Agency/Municipality		Agency:	Approval Received?	Yes	No
Total Project Costs	100,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	100,000					
Non-City Share	100,000					
City Share	0	0	0	0	0	0

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Public Works Building Vehicle/Equipment Wash Facility

Operational Funding Division: Public Works **Project Name:** BLDG 21

Est. Total Cost FY 2012:	70,000	Est. Total Cost FY 2012-16:	140,000
City Share FY 2012:	70,000	City Share FY 2012-2016	14,000

Project Description:

This project will construct a vehicle/equipment wash facility for City owned vehicles and equipment. Commercial vendors sell "pre-fab" vehicle wash facilities with built-in environmental controls to recycle wash water and recover potential contaminants for \$140,000 or more. This project will convert the Department's former body shop into a wash bay at a much lower cost. The project will involve installing pumps, piping, electrical, an oil/water separator, etc. As much of the work as possible will be performed by in-house employees.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

N/A

Justification for project implementation/construction and segments, if applicable:

The Department of Public Works maintains more than 200 vehicles and pieces of equipment/rolling stock. Frequent washing and cleaning is needed not only to maintain appearance, but primarily for corrosion protection. The City currently uses local car wash facilities for the City's fleet of police cars, passenger cars, and vans; however, there are no facilities available to clean large pieces of equipment such as fire trucks, highway, water, and sewer equipment. The larger pieces currently must be washed outside by hand with the use of portable steam-jennies. This takes a significant amount of time and, as a result, is not done frequently. This is especially true in the cold winter months, when equipment most often needs frequent washing to protect from corrosion causing road salt, calcium chloride, and sand.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Cost estimate was obtained by commercial vendor

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	140,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	140,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	70,000	70,000				
Non-City Share						
City Share	70,000	70,000	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Kennedy Park Masterplan

Operational Funding Division: Recreation Department **Project Name:** Kennedy Park Masterplan

Est. Total Cost FY 2012:	160,000	Est. Total Cost FY 2012-16:	660,000
City Share FY 2012:	160,000	City Share FY 2012-2016	660,000

Project Description:

Implement goals and objectives set forth by the Kennedy Park Master Plan Committee for the future use of Kennedy Park. Fiscal year 2012 - \$225,000: completion of phase one: Park Street upgrade, lighting, walkways, benches, plantings, etc., as well as additional expenses associated with the areas surrounding the playground and skateboard park. Fiscal years 2013 and 2014, \$500,000: fund remaining park quadrants such as lighting, walkways, benches, trash receptacles, plantings, gazebo upgrade, entryway upgrades, etc.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Recreation & Parks Comprehensive Plan and Kennedy Park Master Plan.

Justification for project implementation/construction and segments, if applicable:

Address growing demand for more recreation programs and activities. Help provide a variety of seasonal programs to encourage family and group activities, programs, and community events.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Richardson & Associates - Landscape Architects.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	660,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	660,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	160,000	250,000	250,000			
Non-City Share						
City Share	160,000	250,000	250,000	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Recreation Facilities

Operational Funding Division: Recreation **Project Name:** Armory Sprinkler Heads

Est. Total Cost FY 2012:	25,000	Est. Total Cost FY 2012-16:	25,000
City Share FY 2012:	25,000	City Share FY 2012-2016	25,000

Project Description:
Replacement of 25 sprinkler heads above the stage located within the main gymnasium. Price includes coordination for assembling and disassembling scaffolding, all materials and labor to replace the defective sprinkler heads at ceiling above stage area.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Justification for project implementation/construction and segments, if applicable:

The rubber O-ring seals can corrode and could cause the sprinkler heads to not activate in a fire.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Sprinkler Systems Inc. - Design and maintenance Inspector.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	25,000				
Federal/State Funding		Agency: _____	Approval Received?	Yes	No
Other Agency/Municipality		Agency: _____	Approval Received?	Yes	No
Total Project Costs	25,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	25,000					
Non-City Share						
City Share	25,000			0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Marcotte Park Playground

Operational Funding Division: Recreation Department **Project Name:** Marcotte Park Playground

Est. Total Cost FY 2012:	75,000	Est. Total Cost FY 2012-16:	150,000
City Share FY 2012:	75,000	City Share FY 2012-2016	150,000

Project Description:

Install surfacing materials to comply with safety recommendations and install additional playground equipment, benches, picnic tables, and landscape improvements.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Franklin Pasture Plan and Recreation & Parks Comprehensive Plan.

Justification for project implementation/construction and segments, if applicable:

Comply with growing demands for recreation programs and activities. Help provide a variety of seasonal programs and encourage family and group activities and programs.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Franklin Pasture Masterplan and Recreation & Parks Comprehensive Plan

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	150,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	150,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	75,000	75,000				
Non-City Share						
City Share	75,000	75,000	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Operational Funding Division: Airport Project Name: Runway Ext. Safety Imp.

Est. Total Cost FY 2012:	500,000	Est. Total Cost FY 2012-16:	18,500,000
City Share FY 2012:	12,500	City Share FY 2012-2016	237,500

Project Description:

RW 4/22 Safety Area Improvements/Extension; Environmental Assessment, Permitting, Design & Construction

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Yes, Airport Master Plan, Runway Safety Area Study and FAA / MDOT

Justification for project implementation/construction and segments, if applicable:

Runway 4/22 does not meet safety area requirements or runway length in accordance with FAA requirements. Airport has seen much growth over last 5 years and continues to attract more and larger aircraft. 2009 Runway Length Analysis and Safety area Study showed the airport has grown from a B2 designated to a C2 designated airport. This study showed that to meet safety and operational standards the airport must extend the runway 1000 feet to a total of 6000 feet and should improve the safety areas at the end of the runway to 600 feet long. This will allow the airport to meet current safety standards and allow for modest future growth.

Future maintenance costs if known, including contracts and special service requirements:

NA

How were cost estimates obtained:

Engineer Estimate / FAA study

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?
City Operating Budget			
City Bond Issue	237,500		
Federal/State Funding	18,025,000	<u>FAA/MDOT</u>	<u>Yes</u>
Other Agency/Municipality	237,500	<u>City of Auburn</u>	<u>No</u>
Total Project Costs	18,500,000		

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	500,000	5,000,000	6,500,000	6,500,000		
Non-City Share	487,500	4,937,500	6,418,750	6,418,750		
City Share	12,500	62,500	81,250	81,250	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Operational Funding Division: Airport Project Name: Airport Terminal Building

Est. Total Cost FY 2012:	800,000	Est. Total Cost FY 2012-16:	800,000
City Share FY 2012:	250,000	City Share FY 2012-2016	250,000

Project Description:
Terminal Building Rehabilitation and Expansion

Consistency with the Comprehensive or Strategic Plans or other related planning documents:
Yes, Airport Master Plan

Justification for project implementation/construction and segments, if applicable:
Current building was constructed in 1955 and has had very little change since. Current building will be rehab and expansion of 3500 sq feet will be added. This will allow the building to meet code requirements and energy efficiency, while the expansion will meet the demands of the expanding operations. Also, the airport terminal building is the welcome gateway of the two cities for 10,000 business leaders and pleasure visitors every year. This rehab and expansion will allow the airport to meet operational demands and provide a positive experience to business leaders and visitors to the Lewiston-Auburn area.

Future maintenance costs if known, including contracts and special service requirements:
N/A

How were cost estimates obtained:
Engineer estimate

FUNDING SOURCES

Source	Amount			
City Operating Budget				
City Bond Issue	250,000			
Federal/State Funding	0	Agency: <u>Airport</u>	Approval Received?	<u>Yes</u>
Other Agency/Municipality	550,000	Agency: <u>City of Auburn</u>	Approval Received?	<u>No</u>
Total Project Costs	800,000			

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	800,000					
Non-City Share	550,000					
City Share	250,000	0	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Operational Funding Division: Lewiston-Auburn 911 Project Name: Replacement of Servers

Est. Total Cost FY 2012:	96,300	Est. Total Cost FY 2012-16:	0
City Share FY 2012:	48,150	City Share FY 2012-2016	0

Project Description:

Replace 12 four-year-old servers with three new servers that include immediate back up and restore features

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

These servers, which are no longer eligible for maintenance contracts due to their age, house critical law enforcement and fire software and records. Maintaining and providing a reliable, efficient, and redundant system for dispatch and public safety records management is imperative to a quick and correct response and follow up on emergency matters.

Justification for project implementation/construction and segments, if applicable:

The current server system is past the expected life span of the equipment and is no longer covered under any service agreement. The new technology allows for fewer pieces of equipment with better speeds, more storage availability with instant backup/restore ability on and off site, and allows for expandability in the future without purchasing additional hardware.

Future maintenance costs if known, including contracts and special service requirements:

Approximately \$8,000.00 for equipment that is not covered by a life time or 5 year warranty and \$10,000.00 for monitoring and system/network support

How were cost estimates obtained:

DownEast network provided the pricing and configuration. They have done a similar project for the City of Lewiston and they are looking at the City of Auburn to move to this technology in the future.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	48,150				
Federal/State Funding					
Other Agency/Municipality	48,150	<u>City of Auburn</u>	<u>Approval Received?</u>	<u>No</u>	
Total Project Costs	96,300				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	96,300					
Non-City Share	48,150					
City Share	48,150	0	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

Budget Numbers for Lewiston/Auburn 911 Virtual Environments

Hardware/Software (minimum)	Cost
ESXServer (Qty = 2)	\$10,000.00
PS400e 8T8 San (Qty = 1)	\$22,000.00
Vmware View Premier w/4 yrs support	\$4,000.00
Dedicated SAN switches	\$5,000.00
Windows 7 Enterprise Centralized Desktop subscription (10 desktops x \$ 110.00/yr x 3 yrs)	\$3,300.00
Labor	\$7,000.00
Starter environment for virtual desktops (does not include servers)	\$51,300.00

Hardware/Software (optimum for long range operations)	Cost
ESXServer (Qty = 3)	\$15,000.00
PS400e 8T8 San (Qty = 2)	\$44,000.00
Vmware View Premier w/4 yrs support	\$4,000.00
Dedicated SAN switches	\$5,000.00
Windows 7 Enterprise Centralized Desktop subscription (10 desktops x \$ 110.00/yr x 3 yrs)	\$3,300.00
vSphere Advanced Accel. Kit for virtualizing entire server infrastructure	\$13,000.00
Labor	\$12,000.00
Total for full server /desktop virtualization and disaster recovery	\$96,300.00

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Lake Auburn Watershed Protection Commission (LAWPC) Land Acquisition Program

Operational Funding Division: Public Works - Water **Project Name:** Land Acquisition Program

Est. Total Cost FY 2012:	220,000	Est. Total Cost FY 2012-16:	1,100,000
City Share FY 2012:	110,000	City Share FY 2012-2016	550,000

Project Description:

Lewiston Water Division's share of the Lake Auburn Watershed Protection Commission's (LAWPC) land acquisition program to provide additional barriers and protection to Lake Auburn. The decrease is a result of an existing balance in the account and the desire to maintain a funding level of approximately \$250,000. Whenever feasible, the Commission uses conservation easements rather than outright land purchase.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

This land acquisition program is part of an 80 year old program to protect the Lake Auburn Watershed. Since 1994, this program has been under the guidance of the LAWPC.

Justification for project implementation/construction and segments, if applicable:

The Federal Safe Drinking Water Act (SDWA) states clearly that one of our legal obligations is to: "...control all human activities which may have an adverse impact on the microbiological quality of the source water." [40 CFR 141.71] The Cities of Lewiston and Auburn accomplish this in part through the LAWPC land acquisition program. Control of strategic parcels of land in the watershed allows for the protection of source water quality. Requirements for regulation of source water are becoming increasingly stringent. One of the stipulations in our waiver from the Surface Water Treatment Rule of the Safe Drinking Water Act is that we maintain our land acquisition program. The ultimate cost and effectiveness of any drinking water treatment enhancements are a function of the quality of the source water. The cleaner the lake, the less expensive and more effective the treatment. Because dirtier water generally requires adding more and varied treatment chemical,s many of which produce unhealthy disinfection bi-products, the cleaner the lake, the safer the finished water.

Source protection is the most important way to protect public health. Nothing works as well as keeping pollutants out of the lake in the first place. A reduction in source quality could result in loss of our filtration waiver, adding tremendously to the cost of raw water treatment and making it more difficult to comply with new SDWA rules. Formal commitment to the Lake Auburn Watershed Commission annual budget is a condition to maintain our waiver to the Surface Water Treatment Rule.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated in 1922 when the Auburn Water District began a program of land acquisition to control access to the watershed. In 1994, the Lake Auburn Watershed Protection Commission, with members from Lewiston and Auburn, was formed to continue the program and better conform to SDWA rules.

FUNDING SOURCES

Source	Amount				
City Operating Budget	550,000				
City Bond Issue					
Federal/State Funding		Agency:		Approval Received?	Yes No
Other Agency/Municipality	550,000	Agency:	<u>Auburn WD</u>	Approval Received?	<u>Pending</u>
Total Project Costs	1,100,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	220,000	220,000	220,000	220,000	220,000	220,000
Non-City Share	110,000	110,000	110,000	110,000	110,000	110,000
City Share	110,000	110,000	110,000	110,000	110,000	110,000

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Water Transmission Main Replacement

Operational Funding Division: Public Works - Water **Project Name:** Water Transmission Main

Est. Total Cost FY 2012:	100,000	Est. Total Cost FY 2012-16:	1,080,000
City Share FY 2012:	100,000	City Share FY 2012-2016	1,080,000

Project Description:

Proposed FY2012 funding will conduct a route study to determine potential locations for and cost of a second water transmission main from Lake Auburn to the pump station in Lewiston. The intent is to eventually develop a redundant transmission main from the lake to meet system backup requirements identified in a vulnerability assessment completed to meet the requirements of the Homeland Security and Bioterrorism Act of 2002. The project would include a new water transmission main from the lake to the Main Street Pumping Station (or where ever the pumping station is located). The route study will look at several alternatives and present the best technical options and costs. Given the time that may be required to obtain rights to a new route, this study should be conducted now. FY2013 funding will replace 4,000 feet of cast iron pipe installed in the late 1800's in Center Street in Auburn from Lake Auburn Avenue to Turner Street with cement-lined ductile iron pipe. This section of pipe was specifically identified for replacement in the vulnerability assessment because it is the only remaining section of such pipe within the 17,500 feet of transmission mains.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

1987 CDM evaluation of SDWA impacts to Lewiston and Auburn Water Utilities and Anti Terrorism Act of 2002.

Justification for project implementation/construction and segments, if applicable:

This is addressed in the project description

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

The project originated from City Staff and CDM. Cost estimates were obtained from City Staff and CDM

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	1,080,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	1,080,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	100,000	980,000				8,000,000
Non-City Share						
City Share	100,000	980,000	0	0	0	8,000,000

Scope for Transmission Main Study (FY2012)

Evaluate up to 3 routes between Lake Auburn and the Main Street Pumping Station. Route assessment will include:

- o Review of public roads including potential traffic and utility density issues
- o Review of possible new easements that might be required
- o Review of potential wetland and permit issues along each route
- o Preliminary review of subsurface conditions including limited number of borings

- o Evaluate options for a river crossing including directional drill, microtunneling, open cut and support on a bridge. (Consideration will be given to possible future relocation of the Main St. Pumping Station).
- o Evaluate and select the size and pipe material of a supplemental transmission main from Lake Auburn to the Main St. pumping station.
- o Evaluate the hydraulics of the new transmission main as it impacts surge conditions and Main St. Pumping Station Operations
- o Evaluate the impact of the additional transmission main volume on the development of disinfection byproducts.
- o Prepare a matrix alternative comparison that will rank alternative routes based on environmental considerations, complexity, availability of properties, hydraulics, cost, etc.
- o Prepare a detailed cost estimate for the recommended alternative.
- o Prepare a report including GIS maps showing alternate routes and the recommended alternative.

Scope for Transmission Main Pipe Replacement (FY2013)

Replacement of approximately 14,600 LF of 36" and 24" cast iron transmission main that was originally installed in 1899, from a total of 17,500 feet of existing transmission main from Lake Auburn to the Main Street Pump Station. Of the 17,500 feet of transmission main, all but 4,000 ft. is either ductile cast iron or has redundancy. Changes in our storage system and need for backup systems as defined in a vulnerability study done as part of meeting requirements of the Homeland Security and Bioterrorism Act of 2002 suggests that replacement of 4,000 feet of cast iron pipe (cip) with ductile iron pipe (dip) will reduce regular main breaks. The 2012 project addresses the above 4,000 feet as the first phase of replacing the entire transmission main. Because this section of pipe is not ductile and has no redundancy it should be addressed as a higher priority.

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Distribution Water Main Replacement/Rehabilitation

Operational Funding Division: Public Works - Water **Project Name:** Distribution Main Replacement

Est. Total Cost FY 2012:	1,123,000	Est. Total Cost FY 2012-16:	5,715,000
City Share FY 2012:	1,123,000	City Share FY 2012-2016	5,715,000

Project Description:

The projects for FY2012 include replacing or cleaning and lining old cast iron pipe on Bosse Ave. along with other neighborhoods on the attached list such as Glenview Ave., Sutton Place, Pineland St., Macamera St., Louise Ave., Lucille Ave., Olive St., Neil St., Orchard St., Old Greene Rd. and Old Lisbon Rd.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

1979 & 1990 Water Distribution Study performed by CDM; 1985 High Service Study performed by CDM; 1990 SDWA Study; and 2003 South Lewiston Water Distribution Study.

Justification for project implementation/construction and segments, if applicable:

These projects are part of a master plan to upgrade and reinforce the City's water system. Projects have been prioritized and scheduled. The program improves water quality, increases fire flows, reduces pumping costs, allows more flow to areas experiencing economic development, and provides continued reinforcement for night time refill of storage facilities. This is critical for meeting the revised Disinfectants By-Products Rule and other SDWA amendments that were promulgated in April of 2006. Additionally, it will eliminate dead end bleeders and mitigate taste and odor problems associated with unlined cast iron pipes and the use of chloramines as part of the disinfection program.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

City Staff, above-mentioned studies. Cost estimates were obtained from the same survey.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	5,715,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	5,715,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	1,123,000	1,133,000	1,128,000	1,140,000	1,191,000	\$1,000,000/yr
Non-City Share						
City Share	1,123,000	1,133,000	1,128,000	1,140,000	1,191,000	\$1,000,000/yr

DISTRIBUTION SYSTEM UPGRADES

FY 2012

Street	Size of Main	Length	Year Installed	Description	Category	Cost
Glenview Ave	6	154	1964	D/E from Delcliffe Ln	Install 8"	\$ 15,400
Sutton Pl	6	380	1964	Manning Ave to Dead End	Replace w/8	\$ 38,000
Bosse St	8	350	1960	Pineland to Bobby	C&L	\$ 21,000
Bosse St	8	265	1962	Bobby to Stevens	C&L	\$ 15,900
Pineland	6	250	1960	Adele to Bosse	Replace w/8	\$ 25,000
Pineland	8	220	1960	Bosse to Imelda	Replace w/8	\$ 22,000
Mcnamera St	6	810	1947	Brigham to D/E	Replace w/8	\$ 81,000
Louise Ave	6	785	1951	Lisbon to DE	Replace w/8	\$ 78,500
Lucille Ave	6	800	1940	Lisbon to DE	Replace w/8	\$ 80,000
Olive St	6	740	1956	Lisbon to DE	Replace w/8	\$ 74,000
Nell St	6	357	1965	D/E from Nell St (no hydrant)	Replace w/8	\$ 21,400
Orchard St	6	650	1940	Sabattus to Orchard Cir	Replace w/8	\$ 65,000
Old Greene Rd	6	1358	1962	D/E of Line	Replace w/8	\$ 135,800
Old Lisbon Rd	6	2900	1930	Old Webster to DE	Replace w/8	\$ 319,000
Old Lisbon Rd	6	1005	1930	MTA Bridge to South Lisbon Rd	Replace	\$ 131,000
Total						\$ 1,123,000

FY 2013

Fair St	6,12	2700	1938,1950	Central to Main	Replace w/12	\$ 351,000
Old Webster Rd	6	7900		Webster Rd to Crowley Road	New 8"	\$ 711,000
Shawmut Street	6	475	1920	Ash Street to Sabattus Street	New 8"	\$ 71,000
Total						\$ 1,133,000

FY 2014

Howe Street	6	850	1911	Birch Street to Walnut Street	New 8"	\$ 128,000
Lisbon Street				Replace 12" with 16" from East Ave. to South Ave.		\$ 400,000
Park Street				Replace 10" with 12" from Main St. to Chestnut St.		\$ 300,000
Old Lisbon Rd.				Replace 6" with 8" from Webster to Dead End		\$ 300,000
Total						\$ 1,128,000

FY 2015

Lisbon Street				Replace 12" with 16" from South Ave. to Pleasant St.		\$ 1,140,000
Total						\$ 1,140,000

FY 2016

Park Street	10	1000	1898	Main Street to Chestnut Street	New 12"	\$ 300,000
Lisbon Street	12	2122	1966	Garnet to East Avenue	New 16"	\$ 570,000
Beacon Street	6	380	1923	Pine Street to Walnut Street	New 8"	\$ 31,000
Blake Street	8	2900	1922	Main Street to Walnut Street	New 8"	\$ 290,000
						\$ 1,191,000

TOTAL						\$ 5,715,000
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The Lewiston Water System consists of approximately one hundred fifty-nine miles (159) miles of distribution mains sized from 24" to 4". Of these, there are 18 miles of 4-10", and 10 miles of 12 to 24" of water mains that are unlined (some mains were installed in 1878 and are still in service). A program to either clean and cement line or replace these distribution mains that are degraded due to internal corrosion of system or needed to meet growing demands has been in place since 1965.

The Lewiston Water Division embarked on a large water main improvement program in 1999. It was determined that the major water mains feeding the system were over 100 years old and had developed internal corrosion that was negatively affecting the system's ability to supply adequate and clean water to the user and the fire department. Large water mains were defined as twelve inch in diameter or larger.

Inspection of these large lines shows corrosion in the pipe reducing diameters by 2-6 inches. These are the major distribution mains in the system and the older mains are all corroded to this degree. Our ability to maintain storage and provide flows to developing areas of the City is dependent on these large mains being in good condition. This upgrade is part of a larger program to reinforce the distribution system which will supply the second pressure zone.

The small mains in this program make up a grid that supports distribution in a surprisingly significant way. The mains needing replacement or cement lining are causing difficulties in meeting future Safe Drinking Water Act (SDWA) rules. Violation of SDWA may result in our losing our waiver to the Surface Water Treatment Rule (SWTR) and could result in mandatory replacement of old pipes, and a filtration plant. These mains are also constant maintenance problems due to breaks. In the fall of '06, the City Council directed Public Services to identify and develop a program to correct dirty water complaints and the small mains in this list are a continuation of what we accomplished in 2007 and 2008.

The first projects were to clean and line the twenty inch diameter transmission main from the lake that ran parallel to the existing twenty-four inch transmission main. Seventy-five hundred feet of the ninety-five hundred feet of twenty inch main has been cleaned and lined since 1999.

The reservoir off Webster Street was replaced with two new 4.3 million gallon above ground waater storage tanks. Until then, this water storage was seldom used. Two large water mains feed these tanks, one from Main Street along Sabattus Street and Webster Street, and the other along Lisbon Street and up Webber Avenue. Both of these mains showed loss of flow capacity due to corrosion over time. The latter beig installed in 1878. The aforementioned water mains have been cleaned and lined. The feed from Lisbon Street needs to be upgraded and will be included in an upcoming year's LCIP schedule.

Water storage tanks were bult and came on line in the high pressure zone in 2004. Major distribution main upgrades were required to support the filling of these tanks now and in the future with added demand. A major new pipe installation program along with cleaning and lining has been underway since 2004. A major piece remaining is to complete the 16" on Pleasant Street over Pleasant Street Hill. The proposed route will actually go around the hill on South Avenue, along Biron, Baird Street and down Pleasant Street to Scribner Blvd.

Cleaning the mains also improves water quality, and in 2006 the Water Division started a program to clean and line small water mains for the purpose of improving water quality from those mains as well. The following table summarizes the work done to date on large and small water mains.

Clean & Line History	Length (ft)
Since 1999 Lewiston has cleaned and lined the following	
20" Transmission main in Auburn from Pep Boys to behind CMCC.	7,500

24", 20", and 18" on Main and Sabattus from LL Bean to Franklin Street	1,700
24" on Sabattus, Webster, and Webber from Franklin Street to Webber Ave. Tanks and 16" on Lisbon St from Chestnut to Cedar St	7,400
16" on Franklin, Vale and Central Avenue	7,200
16" Cross Country form Saratoga St to Lisbon St	1,430
16" on Enterprise from Westminster St to Saratoga St	980
16" on Lexington from Mitchell St to Westminster St	2,350
6" on Riley to dead end	535
6" on Bushey CR Harold St (Farwell-Bushey)	800
6" on Bushey St.	178
6" on Montello from Central Ave to dead end beyond Hogan	750
6" on Montello St. from Fair St to Buttonwood	1,706
6" on Montello St. from College St to Central Ave	1,261
6" on Macarthur Ave from Michaud to Deer Rd.	1,400
6" on Michaud Ave from Main to McArthur	339
6" on Nimitz from Main to Poulin	578
6" on Charles St. from East Ave. to Dead End	1,200
6" on Jones Ave. from Lisbon St to Dead End	736
6" on Libby Ave. from Main St to Dead End	363
6" on Ventura St. from Central Ave. to College St.	1,313
6" on Martin Dr. from Main St.	1,590
6" on Carrier Pl.	80
6" on Clearwater Ave. from Webster St. to Dead End.	328
Total	41,717

Summary of Water Pipe Statistics Based on Existing GIS Information	
Following are statistics covering length of water mains in the City, lengths of particular sizes, and lengths of unlined pipe.	
	Lengths in Miles
Total Pipe Lengths in System	161.35

Length by Size	
4"	0.8
6"	46.22
8"	41.79
10"	7.95
12"	35.52
14"	5.66
16"	10.21
18"	0.32
20"	0.91
20" Transmission	1.77
24"	1.98
24" Transmission	3.9
36" Transmission	0.57
	157.6
Unlined Length by Size	
6"	13.74
8"	1.88
10"	2.35
12"	4.86
14"	1.21
16"	1.53
18"	
20"	0.04
20" Transmission	0.47
24"	0.05
24" Transmission	
36" Transmission	
Large Distribution Main Account for the Following Total Miles (12"-24")	53.24
Of the Above the Following Need to be Rehabilitated	8.90

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Meter Replacement/Testing Program

Operational Funding Division: Public Works - Water **Project Name:** Meter Replacement

Est. Total Cost FY 2012:	160,000	Est. Total Cost FY 2012-16:	800,000
City Share FY 2012:	160,000	City Share FY 2012-2016	800,000

Project Description:

Replacing old, obsolete water meters and converting to newer electronic touch-read or radio read meter systems. Approximately 900 meters in the system are older than 10 years.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Justification for project implementation/construction and segments, if applicable:

The sooner meters are replaced, the sooner the City and customers will receive more accurate billings. New meter technology can provide customers with timely notification of possible water leaks, thus saving them money. Monthly billing for large accounts could allow these customers to get ahead of any possible leaks and better manage their accounts if conservation or additional water use is expected. Any meters that are older than 10 years or inaccurate must be replaced or retested per the Public Utilities Commission (PUC). We should be changing over 900 meters at approximately \$150,000 per year to replace old and inaccurate meters with new tamper-proof electronic reading systems with automated data entry. Spending \$10,000 more will fund radio read meters and allow staff to better serve customers by alerting them to possible leaks and allow some accounts (industrial) to be read monthly.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff. Cost estimates were obtained from City Staff.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	800,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	800,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	160,000	160,000	160,000	160,000	160,000	160,000/yr
Non-City Share						
City Share	160,000	160,000	160,000	160,000	160,000	160,000/yr

Attach on separate page(s)/sheet additional information (if needed)

2012 Estimated Meter Replacement/Testing Schedule

Meter Size (Inches)	# Meters	Unit Cost	Cost
6	1	800	800
4	2	2,000	4,000
3	1	1,115	1,115
2	20	790	15,800
1 ½	12	349	4,188
1	35	290	10,150
¾	90	225	20,250
5/8	790	145	114,550
	951		\$170,853

Meter Replacement Program

Title 5 MRSA §8001 through §11008 establishes state law for State agencies to establish rules governing activities affecting the public. The Public Utilities Commission regulates and sets rules for water utilities in the State of Maine under Code of Maine Rules (CMR) 65-407 Chapter 62. Section 3 of Chapter 62 deals with water meters and subsection G. addresses the requirements for meter testing. The PUC rules set the following minimum testing requirements for water meter testing:

<u>PUC WATER METER MINIMUM TESTING</u>			<u>City of Lewiston Water Meter</u>	
Nom. Size of Meter	Maximum Interval Bet. Test		Total	Tested More than 10
	Years	Cubic Feet		
5/8"	8	100,000	7,876	5,749
¾"	8	150,000	844	574
1"	8	300,000	355	40
1 1/2"	6	-	124	11
2"	6	-	148	19
3"	4 Field	-	13	4
4"	2 Field	-	18	5
6" & Larger	1 Field	-	1	0
		Totals	9,379	6,402

As can be seen, the underfunding of meter replacement over the years has resulted in the City not being in compliance with the PUC regulations. More than 65% of the City's water meters have not been tested within the last 10 years. The City has approximately \$1.6 million worth of water meters in service, therefore even to meet a 10 year replacement schedule (which does not meet the PUC regs) a minimum investment of \$160,000 per year is needed. FY 2008 & 2009 began the increased emphasis needed to bring this part of the operation into compliance. \$150,000 is being spent to replace old meters and started this 10 year maintenance schedule. Approximately 950 remote reading meters can be installed for \$10,000 per year and increase the reading efficiency. Additionally, as meters age they generally will show less water being used than is actually being used resulting in reduced revenues to support the water utility budget. This needs to continue to be addressed and corrected.

**FY 2012 Lewiston Capital Improvement Program
Project Description Form**

W6

Project Title: Equipment Replacement Program

Operational Funding Division: Public Works - Water **Project Name:** Equipment Replacement

Est. Total Cost FY 2012:	70,000	Est. Total Cost FY 2012-16:	376,000
City Share FY 2012:	70,000	City Share FY 2012-2016	376,000

Project Description:

Replacing water equipment to reduce repair and operating expenses and increase ergonomics for a safer work place and fewer worker injuries. The vehicles and equipment have a total replacement value of \$883,000. Replacing the 1999 Chevy van (unit #203) is necessary as the vehicle is not longer dependable. There have been numerous repairs to the motor and electrical system and we have restored rust areas and maintained the body however, rust is returning. This unit is used by our meter person and is scheduled for hourly appointments for meter testing, changing, installation, and other customer services. This vehicle occasionally gets used for standby or "on-call" duty. If it is not replaced, we expect multiple mechanical issues, loss of service and high maintenance expenses. The 1999 Ford 1/2 ton pickup is used by our water meter reader. the vehicle carries a variety of hand tools and valve wrenches so the meter reader can respond to open/shut calls and to emergencies. The unit assigned to the meter reader usually has low mileage as the vehicle transports the meter reader to the neighborhood and then is parked as the reader walks a neighborhood before returning to the unit and moving on. We plan to purchase a new 1/2 ton 4X4 pickup truck to be used for utility locates/standby on call person and . reassigning the current unit #307 to the meter reader. Unit #307 is a 3/4 ton pickup with cap and has been used for locates/standby since purchased. Unit #307 is dependable but has high service hours and mileage

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Justification for project implementation/construction and segments, if applicable:

Unavailability of parts; Expensive downtime/loss of productivity; Expensive repair costs; High operating costs; Technological improvements; Multi-use vehicles and equipment; increased service; increased reliability; and increased productivity.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff and cost estimates were obtained from City staff.

FUNDING SOURCES

Source	Amount				
City Operating Budget	376,000				
City Bond Issue					
Federal/State Funding		Agency: _____	Approval Received?	<u>Yes</u>	<u>No</u>
Other Agency/Municipality		Agency: _____	Approval Received?	<u>Yes</u>	<u>No</u>
Total Project Costs	376,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	70,000	85,000	103,000	75,000	43,000	0
Non-City Share						
City Share	70,000	85,000	103,000	75,000	43,000	0

Attach on separate page(s)/sheet additional information (if needed)

**FY2012
FIVE YEAR REPLACEMENT SCHEDULE**

	Truck/Equipment	Est. Cost	Unit Replaced
FY 2012	3/4 Ton Van	\$30,000	1999 Chevy (203)
	1/2 Ton Pickup Truck	\$28,000	1999 Ford (204)
	60in zero turn mower	<u>\$12,000</u>	2000 John Deere 345 LG
	Total:	\$70,000	
FY 2013	3/4 Ton 4x4 Service Truck	\$35,000	2000 GMC (206)
	3/4 Ton 4x4 Pickup Truck	\$30,000	2003 GMC (202)
	4x4 Mid SUV	<u>\$20,000</u>	1999 Chevy Blazer (210)
	Total:	\$85,000	
FY 2014	Track Excavator 1st payment	\$75,000	2000 Volvo track excavator (208)
	1/2 Ton 4x4 Pickup Truck	<u>\$28,000</u>	2004 GMC (209)
	Total:	\$103,000	
FY 2015	Track Excavator 2nd payment	\$75,000	2000 Volvo track excavator (208)
FY 2016	1/2 Ton 4x4 Pickup Truck	\$28,000	2005 Chevy (301)
	Compressor	<u>\$15,000</u>	1996 Compressor (212)
	Total:	\$43,000	
	Total:	\$376,000	

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Rehabilitation of Old Sanitary Sewer Mains

Operational Funding Division: Sewer **Project Name:** Sewer Main Rehab.

Est. Total Cost FY 2012:	250,000	Est. Total Cost FY 2012-16:	2,900,000
City Share FY 2012:	250,000	City Share FY 2012-2016	2,900,000

Project Description:

Rehabilitate or replace existing brick, clay, and asbestos cement sewer mains. These sewers have reached their design life and are beginning to fail, causing sewer backups into homes and cave-ins under streets, buildings, and homes. Funding will address sewers that are not covered as part of the CSO separation program.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

The CSO Master Plan, Chapter 10 - Proper Collection System Operation and Maintenance.

Justification for project implementation/construction and segments, if applicable:

Extremely old and vulnerable infrastructure threatening health safety and regulatory violations. To come into compliance with the Clean Water Act (proper maintenance and maximizing use of the sewer system). With funding at \$200,000 per year, it will take 265 years to rehabilitate 45 miles of the 150miles in the system. Recent inspections have shown that a substantial amount of old sanitary sewer mains need rehabilitation or replacement. These sewers are located in strategic secitons of the City. Some of them are under buildings downtown. Some sewers are no longer "water-tight" due to cracking, root damage, settlement, and other issues, thus allowing groundwater to leak in during rain events and causing the system to backup (sometimes into homes). The "Cured-In-Place" process allows new structurally independent seamless systems to be installed without excavation. However, this "Cured-In-Place" process can only be installed if the existing system is still functioning. Some sewers need spot repairs or to be totally replaced since they have begun to collapse.

There are approximately 150 miles of sanitary or combined sewer in Lewiston and about 45 miles of sewers are either asbestos cement "AC" pipe, vitrified clay pipe "VC.", or brick. These types of pipes are those that are cracking, leaking, backing up, clogging with roots. or collapsing under the streets and buildings. Past annual funding of \$100,000 has only allowed "emergency" repairs of sewers and has not allowed work to be pro-active to stay ahead of sewer backups or cave-ins. Once the CSO separation is completed in 2014, the funding for sewer rehab should be increased to ensure the health and safety of customers and the environment.

We need to be realistic in funding this work. At the past rate of about \$200,000 each year, it will take 265 years to rehabilitate each of the sewers listed. They will not last that long, and the proposed funding stream addresses this need.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff. Cost estimates were obtained from City Staff.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	2,900,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	2,900,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	250,000	300,000	350,000	1,000,000	1,000,000	1,000,000/yr
Non-City Share						
City Share	250,000	300,000	350,000	1,000,000	1,000,000	1,000,000/yr

Attach on separate page(s)/sheet additional information (if needed)

SEWER INVENTORY OF PROBLEM PIPE TYPES

Asbestos Cement Pipe (ACP) or Transite

<u>Diameter (in)</u>	<u>Length (ft)</u>	<u>Location</u>	
8	94,116	VARIOUS	
10	11,203	VARIOUS	
12	12,907	VARIOUS	
14	4,752	VARIOUS	
15	1,174	VARIOUS	
16	548	VARIOUS	
20	1,411	VARIOUS	
24	1,621	VARIOUS	
36	344	VARIOUS	
	130,935	24.8	Miles

Vetrified Clay Pipe (VCP)

<u>Diameter (in)</u>	<u>Length (ft)</u>	<u>Location</u>	
6	129	HOWE	
8	15,515	VARIOUS	
10	13,096	VARIOUS	
12	12,066	VARIOUS	
15	5,042	VARIOUS	
18	954	VARIOUS	
24	1,750	VARIOUS	
30	714	VARIOUS	
	49,266	9.3	MILES

SEWER INVENTORY OF PROBLEM PIPE TYPES (continued)

Brick Sewers

Diameter (in)	Length (ft)	Location
8x10	438	VARIOUS
8X12	226	VARIOUS
8X16	399	VARIOUS
10X12	247	HORTON ST
12X14	373	BATES ST
12X15	640	HINES ALLEY
12X16	1,333	CHESTNUT, HOWE & SUMMER
12X18	15,875	VARIOUS
12X20	499	SPRUCE ST
12X24	685	CAMPUS, SUMMER & WALNUT
12X26	882	COLLEGE ST
12X30	267	CC
14X18	392	CEDAR ST
14X20	250	MAPLE ST
14X22	314	SABATTUS ST
14X24	499	WOOD ST
15X22	1,375	VARIOUS
15X23	540	BIRCH, LINCOLN
15X24	3,958	CEDAR, LISBON, CANAL ST ALLEY, PINE, LEEDS, MIC
15X25	255	MAPLE ST
15X26	510	COLLEGE ST
16X22	667	CC, BLAKE, BEECH
16X24	5,858	VARIOUS
16X30	251	VALE ST
18X18	556	BATES, HINES ALLEY
18X22	635	COLLEGE ST
18X23	564	CHAPEL ST
18X24	2,725	MAIN, BIRCH, SABATTUS, WATER
18X26	248	PINE ST
18X28	375	PINE ST
18X30	1,885	LISBON, NICHOLS, UNION, WOOD
18X31	308	SABATTUS ST
18X32	272	ELM
18X36	344	HINES ALLEY
19X31	329	WOOD ST
20X30	791	BLAKE, COLLEGE
20X32	1,654	MIDDLE, SPRING, VALE
20X40	21	OAK
22X32	837	SPRING
22X34	504	MIDDLE
22X36	160	WEST BATES
22X40	1,190	ELM, OAK
24X24	190	MAIN ST
24X34	346	LISBON ST
24X36	379	MIDDLE ST
24X44	724	OAK ST

26X36	576	PINE ST
28X48	272	CC
30X28	31	CHAPEL ST
30X42	652	LISBON ST
30X45	675	LISBON ST
30X48	213	CC
33X45	287	OAK, SABATTUS
35X45	408	OAK
36X48	161	LISBON ST
36X50	495	LISBON ST
	<hr/>	
	55,540	10.5 MILES

TOTAL: 236,691 FT X \$225/FT= \$53,255,475

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Equipment Replacement

Operational Funding Division: Sewer **Project Name:** Equipment Replacement

Est. Total Cost FY 2012:	45,000	Est. Total Cost FY 2012-16:	220,000
City Share FY 2012:	45,000	City Share FY 2012-2016	220,000

Project Description:

This project funds capital replacement of equipment used to maintain the City's sanitary sewer system. This equipment is used for both routine maintenance and repair and to meet regulatory requirements. FY2012 proposed funding is to replace the pan/tilt camera and camera transporter used for sewer video inspections. This camera unit is used by crews to perform maintenance inspections before or after sewer flushing in order to check the condition of the sewer and is used for "emergency" work during sewer backups to ensure that we address the problem (either roots or cave-in, grease, etc) or that we do not flush the sewer and cause more damage .

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Justification for project implementation/construction and segments, if applicable:

This unit is used throughout the year to address maintenance and emergency work, to inspect the sewer lines for condition, and to determine how to proceed (either clean, fix, or replace). Crews use this sewer inspection equipment in areas scheduled for a road or drainage project to ensure sewer utilities are in good working condition or determine if work is needed. Crews use the equipment after a project has been completed to verify that the lines are in good working condition, have not been damaged, new services are not protruding into the sewer main, and no other operational issues exist. The proposed replacement unit is manufactured by Aries Industries, and we are looking to replace the camera and transporter. The inspection cube and other equipment in the inspection trailer are working fine. Sewer video inspection cameras and transporters are placed in some of the worst environments and require maintenance; but over time, they do wear out. We have maintained and serviced this unit properly, but newer technology is available at a reasonable price and will make this unit more reliable and easier to operate, improving crew efficiency. We do use outside contractors for video inspection when their expertise, larger equipment or manpower

- | | | |
|----------------------------|--|---------------------------|
| 1. Unavailability of parts | 2. Expensive downtime/loss of productivity | 3. Expensive repair costs |
| 4. High operating costs | 5. Technological improvements | 6. Increased service |
| 7. Increased reliability | 8. Increased productivity | |

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff. Cost estimates were obtained from City Staff.

FUNDING SOURCES

Source	Amount			Yes	No
City Operating Budget	220,000				
City Bond Issue					
Federal/State Funding		Agency:	Approval Received?		
Other Agency/Municipality		Agency:	Approval Received?	Yes	No
Total Project Costs	220,000			Yes	No

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	45,000	60,000	45,000	35,000	35,000	varies
Non-City Share						
City Share	45,000	60,000	45,000	35,000	35,000	varies

**FY2012
FIVE YEAR REPLACEMENT SCHEDULE**

	Truck/Equipment	Est. Cost	Unit Replaced
FY 2012	Pan/tilt sewer camera and transporter	\$ 45,000	2002 Pan/tilt sewer camera and transporter (326)
FY 2013	Wheeler Dump Truck 1st Payment	\$ 45,000	1999 GMC Wheeler Dump Unit (310)
	3/4 Ton Standby Pickup Truck	\$ 25,000	2003 Chevy 3/4 Ton Pickup Unit (307)
		\$ 60,000	
FY 2014	Wheeler Dump Truck 2nd Payment	\$ 45,000	1999 GMC Wheeler Dump Unit (310)
FY 2015	John Deere 410 Backhoe 1st Payment	\$ 35,000	2001 Loader/Backhoe Unit (308)
FY 2016	John Deere 410 Backhoe 2nd Payment	\$ 35,000	2001 Loader/Backhoe Unit (308)
TOTAL:		\$ 220,000	

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Interceptor Inspection & Rehabilitation

Operational Funding Division: Sewer **Project Name:** Interceptor Sewer Rehab.

Est. Total Cost FY 2012:	150,000	Est. Total Cost FY 2012-16:	750,000
City Share FY 2012:	150,000	City Share FY 2012-2016	750,000

Project Description:

This program will provide general condition inspections of sewer interceptors in the City. Based on these inspections, staff will establish priorities for cleaning, rehabilitation, and re-inspection. See next page for more details on FY2012 funding and an inventory of City sewer interceptors. In FY2012, work will include video inspection and some cleaning of almost 40,000 ft of sewer interceptors of various diameter in the Gully Brook, Jepson Brook, No Name Brook, and Stetson Brook areas. Based on the attached inventory of sewer interceptors, the cost for general condition inspections and some cleaning is amortized over 10 years unless specific needs are determined and requiring specific budget amounts.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Related to meeting current needs and maximizing sewer collection operations and existing sewer capacity in accordance with regulatory mandates covering combined sewer systems.

Justification for project implementation/construction and segments, if applicable:

Failure to maintain interceptor operations may result in surcharging, possible dry weather overflows to small brooks and possible backups into customers' homes, a violation of the Federal Clean Water Act. Sewer interceptors were installed as a result of the Clean Water Act of 1976. Interceptor sewers are the larger sewers that run throughout the City, collect the flow from the neighborhood sewers, and convey this flow to the wastewater treatment facility on Lincoln Street. Since installation, little to no maintenance or cleaning has been done on sewer interceptors. Through recent projects, spot inspections that were conducted at specific locations found sediment build-up and indicated that cleaning is needed. This program provides for inspecting interceptors to prioritize future work along with the actual cleaning, repair, and rehabilitation of interceptors to maintain system operating capacity and bring the City into compliance with DEP and EPA water quality standards. See next page for specifics on the needs for FY2012 funding.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Ongoing monitoring of the sewer collection system for CSO reporting showed surcharging in areas. The MDEP's classification of small streams necessitates investigation of interceptors for leaks. Contractors' unit costs were used by staff to develop the overall cost of the program.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	750,000				
Federal/State Funding		Agency:	Approval Received?	Yes	No
Other Agency/Municipality		Agency:	Approval Received?	Yes	No
Total Project Costs	750,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	150,000	150,000	150,000	150,000	150,000	150,000
Non-City Share						
City Share	150,000	150,000	150,000	150,000	150,000	150,000

Attach on separate page(s)/sheet additional information (if needed)

Details on FY2012 Funding

FY2012 funding will continue general condition inspection of the Gully Brook, Jepson Brook, No Name Brook and Stetson Brook interceptors that will not be completed with 2011 funding. General condition inspections are done while the sewers are still flowing and give a quick condition of the sewer pipe. If during the general condition inspection problems are found, the interceptor would be cleaned to correct the problem or a more detailed inspection would be conducted. If structural failure of the pipe is indicated, the interceptor would be dewatered by diverting sewer flow and performing a more thorough inspection to better estimate the extent of the damage and development of an estimate for rehabilitation or replacement of the pipe section.

- The Gully Brook Interceptor work will involve the cross country section from Howard Street towards the Public Works facility on Adams Avenue then through the Pepperell Mill yard towards the Androscoggin River.
- The Jepson Brook Interceptor starts at Russell St and Sabattus St and continues along Russell until it goes under Main Street and then ties into the interceptor along the River.
- The No Name Brook Interceptor work will involve the section from Sabattus Street, along Grove Street following No Name Brook crossing Randall Road and then Cross country.
- The Stetson Brook Interceptor work will involve the areas along Main Street out by Nimitz St and following the Stetson Brook connection all the way to Newbegin St..

Specifics on Estimate for Work to be Performed in FY2012

The proposed work for FY2012 was generated by inventory information from the Lewiston GIS database. Unit cost information was used to compare staff estimates with market rates for this type of work and was provided by a sewer inspection contractor that has done work for the City. The estimates for the proposed Gully Brook Interceptor, Hart Brook Interceptor and the Jepson Brook Interceptors provide for general condition inspections of the interceptor and some limited cleaning of limited problems in the interceptors. If additional work is required on the Gully, Hart or Jepson Brook interceptors, the FY2013 LCIP will be revised to reflect the work needed and unit estimates for other interceptors will be adjusted.

Estimates for Work to be Performed in FY2012

Gully Brook Interceptor

Location Info: Starts at Howard St. going through the Collisee parking lot across Birch St. just west of the Multi-Purpose Ctr. and cross country to 240 Bartlett St. where it crosses the road, then again cross country behind 84 Adams Ave. to the PW yard, then through the Pepperill Mill site crossing Lisbon St. at 681 Lisbon St. (Grimmel's Gas Station), then on to dumping into the Androscoggin interceptor at 355 Lincoln St (just southeast of the Gully Brook bridge).

Pipe Diameter (in)	Pipe Length (ft)	Estimated Cost	
		Inspection	Cleaning
12	389	\$ 1,554	\$ -
15	266	\$ 1,066	\$ -
18	3,619	\$ 14,475	\$ -
24	979	\$ 3,917	\$ -
total	5,253	\$ 21,012	\$ -

Jepson Brook Interceptor

Location Info: Starts at the intersection of Russell and Sabattus Sts., running down Russell St. to Kavnagh St., then paralleling and immediately adjacent to the Jepson Brook drainage channel all the way to where it crosses Main St. at Pettingill St. The interceptor then goes cross country under the Veterans Memorial Bridge ramps., crossing the RR tracks behind 170 College St. and dumping into the Androscoggin interceptor just north of where Jepson Brook enters the Androscoggin River.

Pipe Diameter (in)	Pipe Length (ft)	Estimated Cost	
		Inspection	Cleaning
18	155	\$ 620	\$ -
24	11,808	\$ 47,233	\$ -
total	11,963	\$ 47,853	\$ -

NO Name Brook Interceptor

Location Info: Starts one of the 2 legs of this sewer at Golder Rd. and Sabattus St. running cross country along No Name Brook, crossing Grove St. and continues to follow No Name Brook until it meets the other leg of this sewer off Grove Street opposite St. Jerome St. The second leg of this sewer starts at North Temple and Gerry Avenue and follows No Name Brook, crossing Sabattus St. between Dow Ave. and Bailey Ave., continuing along No Name Brook until it meets the first leg of this sewer off Grove St. opposite St. Jerome St. Then this interceptor sewer continues to follow No Name Brook, crossing Randall Road and entering into Randall Road sewer pump station.

Pipe Diameter (in)	Pipe Length (ft)	Estimated Cost	
		Inspection	Cleaning
12	939	\$ 3,757	\$ -
14	742	\$ 2,966	\$ -
15	2,113	\$ 8,452	\$ -
18	9,491	\$ 37,964	\$ -
24	1,288	\$ 5,152	\$ -
total	14,573	\$ 58,292	\$ -

Estimates for Work to be Performed in FY2012 (cont)

Stetson Brook Interceptor

Location Info: Starts the first of 2 legs at Main St. and Nimitz St. and follows Stetson Brook, crossing Stetson Road and continuing along Stetson Brook until it meets up with the second leg of this sewer just after Dumais Ave. The second leg of this sewer starts at the Setson Brook opposite the end of Heather Dr. (private) and follows Stetson Brook until it meets up with the first leg just off Main St. Then this interceptor follows Stetson Brook, crossing Main St. to the Androscoggin interceptor at Newbegin St.

Pipe Diameter (in)	Pipe Length (ft)	Estimated Cost	
		Inspection	Cleaning
10	722	\$ 2,889	\$ -
12	382	\$ 1,528	\$ -
14	2,579	\$ 10,318	\$ -
30	3,465	\$ 13,861	\$ -
total	7,149	\$ 28,596	\$ -

Total Estimated work for FY 2012 \$ 155,753

FY2011 FUNDED WORK

Franklin Pasture Interceptor (Part Of Gully Brook)

Location info: This interceptor has two (2) legs. The first leg starts at 16 East Ave. going cross country north of the High School towards Marcotte Ave., then turns south through Franklin Pasture. The second leg, starts at East Ave. opposite Janelle St. going cross country through Franklin Pasture. The two legs combine in Franklin Pasture behind Hudson Bus (280 Bartlett St) crossing Bartlett St. just down the hill from Willow Circle and through the Public Works Yard and ends by dumping into the Gully Brook interceptor in the PW yard.

Pipe Diameter (in)	Pipe Length (ft)	Estimated Cost	
		Inspection	Cleaning
12	197	\$ 788	\$ 3,938
18	479	\$ 1,916	\$ 9,579
20	475	\$ 1,901	\$ 9,503
24	756	\$ 3,024	\$ 15,122
36	4,026	\$ 16,102	\$ -
total	5,933	\$ 23,731	\$ 38,142

Goff Brook Interceptor

Location Info: This intereptor has two legs at the beginning. The first leg starts at Summit Ave. running parallel to Lisobn St.

Pipe Diameter (in)	Pipe Length (ft)	Estimated Cost	
		Inspection	Rehab (Lining)
15	875	\$ -	\$ 37,500
18	0	\$ -	\$ -
24	500	\$ -	\$ 35,000
30	0	\$ -	\$ -
36	0	\$ -	\$ -
48	0	\$ -	\$ -
total	1,375	\$ -	\$ 72,500

Subtotal Inspection: \$ 23,731 Subtotal C & R: \$ 110,642

Estimated to build access roads: \$ 20,000

Total Estimated work for FY 2011 \$ 154,373

FUTURE WORK TO BE COMPLETED

Androscoggin Interceptor

Location info: Starts at Newbegin Ave (off Main St) crossing Stetson Brook and running cross country between Main St. and the river to Tall Pines where it runs immediately adjacent to the river all the way to Isalnd Ave., where it comes out into Main St. running down to Lincoln, then North, then Water Sts., then again runs through Railroad Park and cross country parallel to the river entering Lincoln St. at Locust St. then again going cross country just before Gully Brook and runing immediately adjacent to the river all the way to the treatment plant (LAWPCA).

PARTIALLY INSPECTED WILL CONTINUE IN 2011

Pipe Diameter (in)	Pipe Length (ft)	Estimated Cost	
		Inspection	Cleaning
20	167	\$ 666	\$ 3,331
24	911	\$ 3,643	\$ 18,215
30	2,793	\$ 11,171	\$ 55,856
36	13,409	\$ 53,636	\$ 268,179
48	9,824	\$ 39,296	\$ 196,478
total	27,103	\$ 108,412	\$ 542,058

Note: This interceptor has some access issues so we will need to clear some trees and build some access points. We expect there will be some cleaning costs as well.

Hart Brook Interceptor

INSPECTION AND REHAB COMPLETE IN 2010.

Location Info: Starts in the Industrial park along Saratoga St. near Forrestal St. It follows Saratoga turning onto Enterprise, going cross country at 40 Westminster St. crossing Pleasant St. & A A Plourde Pkwy. at their intersection and then crossing Lisbon St. where the ramp from Plourde Pkwy. comes down to the east of 1304 Lisbon St. The interceptor then proceeds cross country following Hart Brook crossing the RR tracks, the Maine Turnpike, and Godard Rd. at 142 Goddard. It then proceeds parallel to Goddard again crossing under the MTA and then crossing River Road just north of where Hart Brook crosses the road. (The Goff Brook interceptor enters the Hart Brook interceptor at 11 Goddard Rd.). The interceptor then proceeds cross country parallel to River Road to the treatment plant (LAWPCA).

Pipe Diameter (in)	Pipe Length (ft)	Estimated Cost	
		Inspection	Cleaning
24	3,216	\$ 12,865	\$ 64,323
30	7,853	\$ 31,411	\$ 157,063
36	246	\$ 982	\$ 4,912
48	1,700	\$ 6,800	\$ 3,400
total	11,314	\$ 52,058	\$ 260,289

Other Future requirements are anticipated to be identified as inspections are completed.

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Inflow/Infiltration Removal

Operational Funding Division: Sewer Impact Fees **Project Name:** Inflow/Infiltration Removal

Est. Total Cost FY 2012:	50,000	Est. Total Cost FY 2012-16:	250,000
City Share FY 2012:	50,000	City Share FY 2012-2016	250,000

Project Description:

Smoke testing was completed in FY07 in parts of the Randall Road drainage area along with some limited house to house surveys. FY08 and FY09 funding continued the Inflow/Infiltration (I/I) Study of the sanitary sewer system. FY2012 and future funding will continue sewer inspections and repairs to keep unwanted groundwater and rainwater out of the sanitary sewer system.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Clean Water Act Master Plan, South Lewiston Sewer Study.

Justification for project implementation/construction and segments, if applicable:

Actual annual expenditures will depend on the Sewer Impact Fees collected for the previous year and proposed Federal regulations governing stormwater discharges, per the Federal Clean Water Act and our NPDES Phase II permit. These require that we comply with State and Federal rules and regulation, eliminate combined sewer overflows, and create capacity in the sanitary sewer system for future development. This project will allow continued development in the City with no negative impact on the sanitary sewer system.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff. Cost estimates were obtained from Camp, Dresser & McKee, as well as City Staff.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget	250,000				
City Bond Issue					
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	250,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	50,000	50,000	50,000	50,000	50,000	50,000/yr
Non-City Share						
City Share	50,000	50,000	50,000	50,000	50,000	50,000/yr

Attach on separate page(s)/sheet additional information (if needed)

Inflow/Infiltration Removal Program

Item	Randall Road Area	Remainder of City	Estimated Cost
Remove catch basins connected to sanitary sewers	\$ 70,000	\$ 350,000	\$ 420,000
Dye testing for catch basins	\$ 57,000	\$ 285,000	\$ 342,000
Smoke testing for in-flow	\$ 50,000	\$ 250,000	\$ 300,000
Replace manhole covers	\$ 140,000	\$ 700,000	\$ 840,000
Internal pipe inspection	\$ 78,000	\$ 390,000	\$ 468,000
Pipe and manhole rehabilitation (joint sealing)	\$ 260,000	\$ 1,300,000	\$ 1,560,000
House to house inspections	\$ 45,000	\$ 225,000	\$ 270,000
Total	\$ 700,000	\$ 3,500,000	\$ 4,200,000

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Pump Stations

Operational Funding Division: Sewer **Project Name:** Pump Stations Equip.

Est. Total Cost FY 2012:	60,000	Est. Total Cost FY 2012-16:	220,000
City Share FY 2012:	60,000	City Share FY 2012-2016	220,000

Project Description:

FY2012 funding will replace old pump drive/power supplies to pumping equipment at the remaining pump stations servicing the community. FY 2013 and future funding would clean the sewer force main piping that has never been cleaned at 12 of the 13 pump stations. In 2009, we cleaned the sewer force main from the River Road 2 pump station to remove scale and buildup and improve pump and energy efficiency. Cleaning the sewer force mains should be continued in order to lower operational costs and improve flow capacity.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

This project addresses current needs and maximizes operations and existing sewer capacity in compliance with CSO Mandates.

Justification for project implementation/construction and segments, if applicable:

Evaluation of pump stations is on-going to identify the need to replace pumps and equipment for reliability and to keep operating expenses as low as possible. Failure to maintain operations will result in dry weather overflow to a brook, stream, or pond and would violate the Federal Clean Water Act, exposing the City to possible fines. Old electrical equipment uses resistors and capacitors to "create" 3 phase electrical power for sewer pumps, also called an "addaphase". This "addaphase" technology is old and becoming problematic. Newer variable frequency drives ("vfd") can replace the "addaphase" equipment. VFD equipment has come down in cost and will help save energy and extend the life of the electric motors at each pump station.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Developed by City staff based on prior projects.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	220,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	220,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	60,000	40,000	40,000	40,000	40,000	250,000
Non-City Share						
City Share	60,000	40,000	40,000	40,000	40,000	250,000

Attach on separate page(s)/sheet additional information (if needed)

	Sewer Pump Station	Est. Cost	Status
FY2012	Kensington Terrace	\$ 20,000	needs vfd
	Chadbourne Road	\$ 20,000	needs vfd
	Sherbrooke Ave.	\$ 20,000	needs vfd
	Total:	\$ 60,000	

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: NPDES PH II Permit

Operational Funding Division: Storm Water **Project Name:** Stormwater Management

Est. Total Cost FY 2012:	60,000	Est. Total Cost FY 2012-16:	320,000
City Share FY 2012:	60,000	City Share FY 2012-2016	320,000

Project Description:

The City of Lewiston submitted a Notice of Intent (NOI) to comply with the NPDES Phase II permit for storm water management for permit years 2008-2013. This five (5) year permit, again, requires the City to develop a Stormwater Management Plan which responds to the six (6) minimum control measures (MCMs) developed by MaineDEP. This first five year program increased public awareness and participation in storm water management, put in place a program for identifying and eliminating illicit discharges to the storm water system, ensured developers use appropriate construction and post-construction BMPs and promulgated good housekeeping practices within the City departments and local businesses. The second five year permit expands on those initiatives and includes new requirements for watersheds of Urban Impaired Streams and a more vigorous inspection program for post-construction BMPs.

The City of Lewiston has partnered with the City of Auburn and the Town of Sabattus to become a Stormwater Working Group. We developed a single Plan and work together on compliance. A spreadsheet of the BMPs approved for the next five year permit cycle is attached. This program will be continuous in five year cycles. The funds requested for FY09 through FY13 will be required for implementation of the program through the second permit cycle.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

This is an environmental regulatory requirement.

Justification for project implementation/construction and segments, if applicable:

NOI was submitted in June 2008. Permit has a five year duration and annual report on status with regard to meeting BMPs must be provided to Maine DEP. Project is required to comply with EPA Phase II storm water regulation. The project impacts the City departments and the local businesses with regard to construction, post construction and housekeeping practices, as well as required inspections and reporting. The NPDES Phase II permit is an on-going environmental requirement with which the City of Lewiston must comply.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Estimates were developed by City staff based upon NPDES program experience over the last 7 years and projections for future requirements.

FUNDING SOURCES

Source	Amount			Yes	No
City Operating Budget	320,000				
City Bond Issue					
Federal/State Funding		Agency:	_____	Approval Received?	
Other Agency/Municipality		Agency:	_____	Approval Received?	
Total Project Costs	320,000			Yes	No

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	60,000	60,000	65,000	65,000	70,000	
Non-City Share						
City Share	60,000	60,000	65,000	65,000	70,000	0

Attach on separate page(s)/sheet additional information (if needed)

MCM #1 PUBLIC EDUCATION AND OUTREACH

A Raise Awareness

- 1) Continue outreach efforts from the previous MS4 permit cycle.
 - BMP 1 – Raise awareness through participation in local and regional events.
 - BMP 2 – Raise awareness through the use of existing materials
 - BMP 3 – Work with/support existing partners and seek out new ones to help raise awareness in their target audiences.
- 2) Stormwater Awareness Plan
 - BMP 1 – Develop and implement Stormwater Awareness Plan.
 - BMP 2 – Eval and assess implementation and impact of Stormwater MGMT Plan.

B Targeted Best Management Practices Adoption

- 1) Continue Targeted Best Management Practices Adoption efforts from previous MS4 permit cycle.
 - BMP 1 - Educate High Priority Businesses
- 2) BMP Adoption Plan (required)
 - BMP 1 – Develop and implement Behavior Change Plan
 - BMP 2 – Evaluate and assess implementation and impact of BMP Adoption Plan.

MCM #2 PUBLIC INVOLVEMENT AND PARTICIPATION

A Public Notice

- BMP 1 - Provide an opportunity and encourage public input into regional stormwater program

B Host Regional Public Events

- BMP 1 –Host regional event.
- BMP 2 - Encourage participation of students k-12 in community events.

C Assist With Household Hazardous Waste Program

- BMP 1- Promote the western Maine environmental depot for disposal of household hazardous waste

MCM #3 ILLICIT DISCHARGE DETECTION AND ELIMINATION

A Watershed based storm sewer system infrastructure map.

- BMP 1 - develop watershed based storm sewer map

B Non-stormwater discharge ordinance.

- BMP 1 - continue enforcement of non-stormwater discharge ordinance

C Dry weather outfall inspection program.

- BMP 1 – Develop dry weather outfall inspection program.
- BMP 2 – Implement dry weather outfall inspection program.

D Open Ditch Illicit Discharge Program

- BMP 1 – Develop open ditch illicit discharge program.
- E Continue CSO program**
BMP 1 - Continue CSO program
- F Continue Significant Industrial Users (SIU) program**
BMP 1 - Continue Significant Industrial Users (SIU) program

MCM #4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

- A Procedure to notify developers when required to apply for a MCGP (required)**
BMP 1 - Procedure to notify developers when required to apply for a MCGP
- B Document construction activity disturbing greater or equal to 1 acre(required)**
BMP 1 - Document construction activity disturbing greater or equal to 1 acre
- C Construction site inspection**
BMP 1 - Develop inspection program

MCM #5 POST-CONSTRUCTION STORMWATER MANAGEMENT

- A Municipal Post-Construction Program**
BMP 1 – Implement a stormwater runoff control program
- B Implement Post-Construction BMP Long-term Operation and Maintenance Ordinance**
BMP 1- Evaluate model post-construction BMP long-term operation
- C Post-Construction Site Inspection and Maintenance**
BMP 1 – Develop and implement an inspection program for sites which do not have qualified third party inspections

MCM #6 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

- A Operations at municipally owned grounds and facilities.**
BMP 1 – Evaluate existing facilities and operations
- B Employee education program**
BMP 1 – Develop employee education program
- C Street sweeping program**
BMP 1 – Continue street sweeping program
- D Stormwater conveyances, structures and outfalls**
BMP 1 – Catch basin cleaning and inspection program
BMP 2 – Maintenance and upgrade of stormwater conveyances, structures and
- E Stormwater Pollution Prevention Plans (SWPPP) for municipal operations**
BMP 1 – develop and implement SWPPP for municipal operations

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Oak Street Sewer Separation

Operational Funding Division: Sewer & Stormwater **Project Name:** Oak St Storm Drain

Est. Total Cost FY 2012:	750,000	Est. Total Cost FY 2012-16:	750,000
City Share FY 2012:	750,000	City Share FY 2012-2016	750,000

Project Description:

This project completes the final connection to separate 49 upstream acres that have been previously separated. Completing this separation will help relieve flooding problems in the College St. area and will reduce overflows at downstream CSO's including the Water St. Storage Facility. It will also impact flows at LAWPCA, helping to reduce base flow to the plant, reducing overflows at Structure B, and reducing the amount of work needed in the future to address overflows there.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Clean Water Act Master Plan

Justification for project implementation/construction and segments, if applicable:

This project is required under the Federal Clean Water Act and the Clean Water Act Master Plan schedule approved by MDEP & USEPA.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff, citizens and councilors. The cost estimates were made by City Staff based on past project costs. This project was originally put to bid in 2002 but not awarded because of the cost.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	750,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	750,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	750,000	0	0	0	0	0
Non-City Share						
City Share	750,000	0	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Hart Brook Water Quality Restoration

Operational Funding Division: Storm Water **Project Name:** Hart Brook Imp.

Est. Total Cost FY 2012:	100,000	Est. Total Cost FY 2012-16:	500,000
City Share FY 2012:	100,000	City Share FY 2012-2016	500,000

Project Description:

Hart Brook, a Class B water body, was classified as an urban impaired stream by the Maine Department of Environmental Protection (MeDEP) because it does not meet the Class B water quality criteria. The Hart Brook watershed, the area which drains to this brook, encompasses the South Lewiston prime development area near Exit 80 of the Maine Turnpike. Revised rules from MeDEP limit development in the watershed of impaired streams unless the municipality has a Watershed Management Plan (WMP) that details activities and projects to improve water quality and manage development in the watershed to ensure no further degradation of water quality. MeDEP is also required to prepare a Total Maximum Daily Load (TMDL) report for all impaired streams and has drafted the report for Hart Brook, which recommends the development of a Watershed Management Plan. The City has completed the WMP and execution of the plan will satisfy the TMDL requirements. The funds requested for FY12 through FY16 are necessary to execute the projects in the WMP, ensuring compliance with the TMDL and allowing continued development in the watershed.

The ultimate goal is to improve the quality of Hart Brook such that the TMDL is met and the stream may be removed from the Urban Impaired Stream list.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

This program follows the recommendations of the Hart Brook Watershed Management Plan as approved by MeDEP.

Justification for project implementation/construction and segments, if applicable:

A TMDL (Total Maximum Daily Load) study drafted by MeDEP in summer/fall of 2007 has been reviewed by the City and is being revised for submittal to the United States Environmental Protection Agency (USEPA) by the MeDEP. The TMDL, when approved, may require implementation of the WMP, including execution of the proposed projects. Until that point, projects will be undertaken as funds can be obtained from the outside sources including (1) Private Development; (2) Hart Brook CFUP; and (3) MeDEP Non-point Source Grants (319 program). Execution of the WMP may be required to meet MeDEP regulations and will lessen the environmental impacts of development on the Hart Brook watershed.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff in response to EPA regulations. Cost estimates were obtained from the City's consultant, Jacobs, Edwards and Kelcey.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	500,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	500,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	100,000	100,000	100,000	100,000	100,000	100,000/yr
Non-City Share						
City Share	100,000	100,000	100,000	100,000	100,000	100,000/yr

Attach on separate page(s)/sheet additional information (if needed)

The proposed projects would be located within the rights-of-way in the various sub-watersheds throughout the Hart Brook Watershed:

TYPE OF PROJECT	SUB-WATERSHED	TOTAL COST	
Line 1500LF HB Interceptor Sewer	Industry	\$	338,500
Shade Tree Planting	Industry	\$	35,000
Road Edge Rain Gardens	Pond Rd.	\$	85,000
SUB TOTAL COST		\$	458,500
Engineering and Contingency(10%)		\$	45,850
TOTAL COST		\$	504,350

The FY12 funds are proposed for acquiring a Pan Am Railways easement for building a temporary access road to the sewer manholes, and constructing the temporary access road.

The funds for the following years, FY13- FY15, would include lining the sections accessed from this road.

FY16 funds would complete the tree planting and rain garden projects.

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Jepson Brook Drainage Area

Operational Funding Division: Sewer & Stormwater **Project Name:** _____

Est. Total Cost FY 2012:	2,500,000	Est. Total Cost FY 2012-16:	6,500,000
City Share FY 2012:	2,500,000	City Share FY 2012-2016	6,500,000

Project Description:

Eliminating all CSO's within the Jepson Brook drainage system, which is the final area needing to be addressed as part of the City's Clean Water Act Master Plan. It will also install storm drainage in areas not currently serviced and complete those areas now only partially serviced.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Clean Water Act Master Plan

Justification for project implementation/construction and segments, if applicable:

This is a required project in accordance with the Federal Clean Water Act and the Clean Water Act Master Plan schedule approved by MDEP & USEPA.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff, citizens, and Councilors. The cost estimates are by City Staff based on the cost of similar past projects.

FUNDING SOURCES					
Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	2,500,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	2,500,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)						
	2012	2013	2014	2015	2016	Future
Total Project Cost	2,500,000	2,000,000	2,000,000	0	0	0
Non-City Share						
City Share	2,500,000	2,000,000	2,000,000	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

Jepson Brook Area Streets to Separate

STREET	FROM	TO	Length	Unit Cost	Total Cost	Construction Contract
Washington	Lafayette	Hamel	240	\$ 220.00	\$ 52,800	1
Hamel	Washington	Sabattus	325	\$ 220.00	\$ 71,500	1
Lafayette	Russell	Sabattus	1560	\$ 300.00	\$ 468,000	1
Campus	Newman	ER Entrance	1000	\$ 250.00	\$ 250,000	1
Forest	Sylvan	19	300	\$ 220.00	\$ 66,000	1
Green	Sylvan	23	470	\$ 220.00	\$ 103,400	1
Newman	Campus	25	470	\$ 220.00	\$ 103,400	1
Sylvan	Sabattus	Forest	860	\$ 250.00	\$ 215,000	1
Bellegarde	Russell	Sabattus	350	\$ 220.00	\$ 77,000	2
Columbia	18	Homefield	515	\$ 220.00	\$ 113,300	2
Charles	East	42	900	\$ 220.00	\$ 198,000	2
Russell	Lafayette	Jepson Brook	650	\$ 300.00	\$ 195,000	2
Russell	East	Demi Cir	250	\$ 220.00	\$ 55,000	2
Shirley	Russell	Fairlawn	400	\$ 220.00	\$ 88,000	2
East	Jepson Brook	Leavitt	650	\$ 220.00	\$ 143,000	2
East	Montello	Mountview	650	\$ 220.00	\$ 143,000	2
Fairlawn	Sabattus	Shirley	700	\$ 220.00	\$ 154,000	2
Fairlawn	East	Kavanagh	550	\$ 220.00	\$ 121,000	2
Jean	Sabattus	Owen	440	\$ 220.00	\$ 96,800	2
Laurier	Sabattus	Ames	100	\$ 220.00	\$ 22,000	2
Ames	Laurier	Jean	650	\$ 220.00	\$ 143,000	2
Dupuis	Webber	8	385	\$ 220.00	\$ 84,700	2
Farwell	Jepson Brook	Dupuis	1275	\$ 220.00	\$ 280,500	2
Warren	Webber	166	400	\$ 220.00	\$ 88,000	2
Highland	Webber	161	300	\$ 220.00	\$ 66,000	2
Genest	Dion	bog	600	\$ 220.00	\$ 132,000	2
Stewart	Hevey		350	\$ 220.00	\$ 77,000	2
Hevey	Genest	Stewart	680	\$ 220.00	\$ 149,600	2
Perley	bog	1	925	\$ 220.00	\$ 203,500	2
Bradford	bog	2	660	\$ 220.00	\$ 145,200	3
Tucker	Bradford	9	300	\$ 220.00	\$ 66,000	3
Mellon	25	11	590	\$ 220.00	\$ 129,800	3
Wildwood	Sabattus	2	150	\$ 220.00	\$ 33,000	3
Thorne	Montello	6	100	\$ 220.00	\$ 22,000	3
Morris	Russell	Lemont	500	\$ 220.00	\$ 110,000	3
Robinson Gar.	Fortuna	Jepson Brook	310	\$ 220.00	\$ 68,200	3
Leavitt	Roy	37	450	\$ 220.00	\$ 99,000	3
Roland	Adolphe	Jepson Brook	360	\$ 220.00	\$ 79,200	3
Wellman	Russell	76	330	\$ 220.00	\$ 72,600	3
Sunnyside	Googin	Wellman	300	\$ 220.00	\$ 66,000	3
Googin	Little	Pettingill	500	\$ 220.00	\$ 110,000	3
Pettingill	College	Wellman	1100	\$ 220.00	\$ 242,000	3
Bardwell	Pettingill	Russell	200	\$ 221.00	\$ 44,200	4
Marble	Richmond	Little	715	\$ 220.00	\$ 157,300	3
Richmond	Marble	Googin	325	\$ 220.00	\$ 71,500	3
Little	College	Googin	700	\$ 220.00	\$ 154,000	3
College	Mountain	Russell	250	\$ 220.00	\$ 55,000	4
College	Pettingill	389	250	\$ 220.00	\$ 55,000	5

Ware	Main	College	1350	\$ 220.00	\$ 297,000	4
Benson	Ware	Mountain	225	\$ 220.00	\$ 49,500	4
Cottage	Russell	91	1100	\$ 220.00	\$ 242,000	4
Libby	Main	RR tracks	400	\$ 220.00	\$ 88,000	4
Bearce	Ryder	DE	215	\$ 220.00	\$ 47,300	4
Ryder	Manning	Bearce	480	\$ 220.00	\$ 105,600	4
Manning	Buttonwood	Ryder	280	\$ 220.00	\$ 61,600	4
Wicklow	Manning	DE	240	\$ 220.00	\$ 52,800	4
Hawthorne	Buttonwood	DE	280	\$ 220.00	\$ 61,600	4
Manning	Jepson Brook	Wicklow	150	\$ 220.00	\$ 33,000	4
Champlain	20	27	310	\$ 220.00	\$ 68,200	4
Bonnaille	Buttonwood	23	330	\$ 220.00	\$ 72,600	4
Mountview Ter	East Ave	DE	700	\$ 260.00	\$ 182,000	4
East	Montello	Mountview	630	\$ 260.00	\$ 163,800	4
			31,725	LF	\$ 7,265,500	Total Jepson Brook
					\$ 726,550	Engineering 10%
					\$ 7,992,050	

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Engine 6 Apparatus Replacement

Operational Funding Division: Fire Department **Project Name:** Engine #6 Replacement

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	450,000
City Share FY 2012:	0	City Share FY 2012-2016	450,000

Project Description:

Replacement of a 1899 Emergency One Pumper (Engine #6). This unit serves as the LFD Spare Unit. This unit is activated when other in service units are out of service for repair. This unit is also staffed during multiple alarm recall incidents. Refer to Exhibit "A", Apparatus and Vehicle Replacement Schedule.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

N/A

Justification for project implementation/construction and segments, if applicable:

This unit currently serves as the LFD spare Engine. This unit was previously a front line unit for over 20 years as Engine #7 and was assigned to Central Fire Station. This unit is scheduled for replacement as part of the overall fire department vehicle replacement schedule detailed in Exhibit "A".

Future maintenance costs if known, including contracts and special service requirements:

Initial maintenance cost on new apparatus is limited to service and improvement costs averaging in the \$1,000 to \$2,000 range for the first five years. Once warranties expire and as the unit ages, maintenance cost will range in the \$3,000 to \$6,000 per unit average.

How were cost estimates obtained:

Recently purchased Fire Pumper: \$425,000

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget	0				
City Bond Issue	450,000				
Federal/State Funding		_____	_____		
Other Agency/Municipality		_____	_____		
Total Project Costs	450,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost		450,000				
Non-City Share						
City Share	0	450,000	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

LEWISTON FIRE DEPARTMENT
 APPARATUS VEHICLE
 REPLACEMENT SCHEDULE LCIP 2012

APPARATUS STATUS	STATION LOCATION	MFG	YEAR	COST	REPLACEMENT YEAR	PREVIOUS MILEAGE 09/01/09	MILEAGE TO DATE 10/20/10	AVERAGE YEARLY MILEAGE	REPLACEMENT COST APPROXIMATE	PROJECTED MILEAGE
Engine #4	Sabattus Road	E-ONE	2002	\$ 325,000	2023	49,074	56,268	7,000	\$500,000	120,000
Ladder 1	Central Station	Pierce	2007	\$ 658,000	2032	9,824	12,768	5,000	\$800,000	100,000
Engine #7	Central Station	E-ONE	2002	\$ 317,000	2023	31,733	35,607	4,600	\$500,000	80,000
Engine #5	Main Street	Pierce	2010	\$ 425,000	2030	0	0	6,000	\$500,000	100,000
Engine #3 Quint	Lisbon Road	Smeal	1996	\$ 350,000	2016	64,015	67,151	5,000	\$750,000	100,000
Engine #6	Central Station	E-ONE	1988	\$ 190,000	2013	2,500	104,691	5,000	\$450,000	120,000
**Commercial Cab and Chassis has a 15 year life expectancy										
***Aerial Ladders have a 15 year active life expectancy										
Unit 438	Equip. Van	Chevy CubVan	2005	\$ 38,000	2015	2,595	3,453	700	\$50,000	62,000
Unit 415	IC Vehicle	Ford Expedition	2008	\$ 28,823	2019	6,573	11,588	6,500	\$30,000	50,000
Unit 437	F.A. 4x4 PU	Chevy PU	2000	\$ 23,750	2012	37,484	41,045	4,000	\$35,000	56,000
Unit 420	Chief	Chevy Blazer	2001	\$ 24,527	2011	49,742	49,106	6,000	\$30,000	82,000
Unit 421	Asst. Chief	GMC Jimmy	2003	\$ 24,800	2013	40,034	46,399	7,000	\$30,000	55,000
Unit 422	Utility / Recall	GMC Safari	2004	\$ 21,925	2016	43,131	49,106	9,000	\$30,000	65,000
Unit 430	F.P. Van	GMC Safari	2004	\$ 21,925	2016	15,196	18,238	3,000	\$30,000	50,000

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Franklin Pasture Track

Operational Funding Division: Public Works - Highway Parks **Project Name:** _____

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	230,000
City Share FY 2012:	0	City Share FY 2012-2016	115,000

Project Description:

Rehabilitation of Franklin Pasture track located at Lewiston High School, funding to be fifty percent (50%) shared by the Lewiston School Department.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

The City of Lewiston Strategic Plan: "Pursue the best standards toward quality of life - Enhance the inspection and documentation of the City's parks and athletic equipment and address concerns with a higher sense of urgency."

Justification for project implementation/construction and segments, if applicable:

This is a safety issue with potential liability concerns should users of the facility be injured. The track at Franklin Pasture was constructed in 1995. The expected useful life is 12-15 years, which has expired. Since initially installed, the track has been patched and relined once. There are numerous large areas where the surface is peeling/delaminating and creating a safety issue for students and citizens using the track, high jump, long jump, and pole vault areas. Funds were requested in prior years' operating budgets for either patching or rehabilitation. The track is now past the point that patching can address; however, this proposal defers the major work to 2013 with an approximate \$10,000 scheduled for the summer of 2011 funded from the operating budget.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Cost estimates were obtained by City staff. The Lewiston School Department has indicated they will not have their share of the funding for this project in FY2012.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	115,000				
Federal/State Funding					
Other Agency/Municipality	115,000	<u>School Dept.</u>	Approval Received?	<u>No</u>	
Total Project Costs	230,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost		230,000				
Non-City Share		115,000				
City Share		115,000	0	0	0	0

FY 2012 Lewiston Capital Improvement Program Project Description Form

STL01

Project Title: Replace Mercury Street Lighting

Operational Funding Division: Public Services **Project Name:** Light Replacement Program

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	120,000
City Share FY 2012:	0	City Share FY 2012-2016	120,000

Project Description:

Replace the 1,000 mercury fixtures left in the street lighting network with more efficient high pressure sodium fixtures. The City successfully obtained a \$157,700 ARRA (economic stimulus) grant from the Department of Energy in 2009, which is being implemented in 2011. This grant is not sufficient to replace all the mercury vapor street lights in the City, but has allowed us to begin to do so. LCIP funding is requested to resume this project in FY 2113.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Justification for project implementation/construction and segments, if applicable:

The mercury fixtures in the City are 20-30 years old and have reached the end of life as projected by the manufacturer. Although this project was originally conceived as a systematic replacement program in order to minimize the impact on future budgets, the passage of federal legislation in 2005 outlawing the manufacture or importation of mercury ballasts as of January 1, 2008 provides greater impetus for this project since replacement parts will no longer be available. The replacement of mercury lights would also reduce energy consumption and increase lighting levels to provide safer passage for vehicles and pedestrians and could reduce criminal activity. The lights to be upgraded next year are on Pond Road, Lincoln Street, Old Webster Road, College Road and Stetson Road.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff and cost estimates were obtained from City staff.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget	120,000				
City Bond Issue					
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	120,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	0	30,000	30,000	30,000	30,000	220,000
Non-City Share						
City Share	0	30,000	30,000	30,000	30,000	220,000

Attach on separate page(s)/sheet additional information (if needed)

Mercury Street Light Replacement

The replacement of Mercury lighting with High Pressure Sodium and LED lighting will:

- Reduce perpetual energy costs to the City,
- Eliminate an environmental risk associated with the Mercury, and
- Provide significantly improved lighting output.

Examples:

Replacing 1-250 watt mercury light with 1-150 watt HPS.

The annual energy savings is: \$68.22 each

There are approximately 165, 250-watt mercury's left in the network. This equates to an annual energy savings of \$11,000 if all 165 are replaced.

Replacing 1-175 watt mercury light with 1-150 watt HPS.

The annual energy savings is \$16.58

It is estimated there are 850, 175-watt mercury's left in the network.

Although the energy savings in this size light is not as significant as with the 250 watt fixture, the existing lights are still well beyond their design life and need to be replaced in a systematic manner.

Examples of the

<u>Street</u>	<u>Number of Lights</u>
College Rd.	62
Lincoln St.	29
Pond Rd. (Webster to Golder)	26
Old Webster Rd.	18
Old Lisbon Rd.	12

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Hydro-Electric Generation

Operational Funding Division: Public Works **Project Name:** Turbine Rep Upper A Hdyro

Est. Total Cost FY 2012:		Est. Total Cost FY 2012-16:	400,000
City Share FY 2012:		City Share FY 2012-2016	400,000

Project Description:
Rehabilitate Unit #2 turbine and related gates and hydraulic positioners at the Upper A Hydro facility.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:
The Hydro-Facility is located at the southern end of the main canal and uses water from the canal to generate power. The canals are a focus point of the Strategic Plan.

Justification for project implementation/construction and segments, if applicable:
Although temporary repairs allowed the unit to run during the 2007 "spring surplus water period," this did not occur in 2008. Permanent repairs must be made to ensure reliability for future revenue generation. Because of current discussions about the Canal System with CMP and NextEra, the requested funding is deferred to 2013 to allow those discussions to conclude. Temporary repairs to the water sealing "packing box" were attempted in late October 2006 and failed 3 weeks later. The unit was unavailable for generating power during the "spring surplus water period" accounting for a loss of revenue of \$60,000 to \$75,000. Band Aid repairs were made in the summer of 2007; however, the repairs are not expected to significantly extend the useful life of the unit. The last overhaul of this unit was undertaken by CMP in 1984.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:
This project originated from City Staff. Cost estimates were obtained by City Staff with input from Kleinschmidt Associates, the City's consultants on the project.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	400,000				
Federal/State Funding		Agency: _____	Approval Received?	Yes	No
Other Agency/Municipality		Agency: _____	Approval Received?	Yes	No
Total Project Costs	400,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost		400,000				
Non-City Share						
City Share	0	400,000	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Fleet Tracking System

Operational Funding Division: Public Works **Project Name:** _____

Est. Total Cost FY 2012:	76,000	Est. Total Cost FY 2012-16:	76,000
City Share FY 2012:	76,000	City Share FY 2012-2016	76,000

Project Description:

Purchase and implement a GPS Fleet Tracking System for City Vehicles. We understand estimated savings from this project will have a simple payback of 6 years.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Energy saving planning.

Justification for project implementation/construction and segments, if applicable:

Fuel and maintenance savings, tracking city vehicle locations, employee accountability, and transparency of City operations for City taxpayers.

Future maintenance costs if known, including contracts and special service requirements:

After warranty expiration, a maintenance contract with the vendor to calibrate, update software, replace parts etc. will be needed. No specific costs have been identified, but we anticipate this may cost on the order of \$10,000 per year.

How were cost estimates obtained:

City Administration received quotes from three different vendors to provide a passive GPS fleet tracking system for 68 City vehicles. This project was initiated from seeking ways to reduce fuel costs for operating City vehicles.

FUNDING SOURCES

Source	Amount				
City Operating Budget	76,000				
City Bond Issue					
Federal/State Funding		Agency: _____	Approval Received?	Yes	No
Other Agency/Municipality		Agency: _____	Approval Received?	Yes	No
Total Project Costs	76,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost		76,000				
Non-City Share						
City Share	0	76,000	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

**FY 2012 Lewiston Capital Improvement Program
Project Description Form**

City Hall Building Second Floor Interior and Exterior Step Restoration Project

Project Title:

Operational Funding Division: Public Works - Buildings **Project Name:** BLDG 4

Est. Total Cost FY 2012:		Est. Total Cost FY 2012-16:	220,000
City Share FY 2012:		City Share FY 2012-2016	220,000

Project Description:

Architectural and Historical restoration of the City Hall Building second floor. The restoration project would be completed in two phases. Phase I would include new ceramic floor tile and replacing aluminum doors with new wood doors and hardware. Also, the exterior granite steps at the Park Street entrance of the City Hall Building will be re-built. Phase II would include painting the first and second floor walls to match the clock restoration project color scheme. The second phase would also install new light fixtures on the second floor that match the first floor fixtures.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Harriman Associates' Lewiston City Hall Master Plan

Justification for project implementation/construction and segments, if applicable:

In 1988, the City hired Harriman Associates to complete a Master Plan for the City Hall Building. Since then, the City has completed five projects. Phase I and II City Hall Restoration Projects created new Administration Offices, Conference Rooms, Bathrooms, and Council Chambers. The third project was the Third Floor Rehabilitation Project which removed the partition wall system, built new office spaces, installed new carpeting, new doors with architectural trim, and modular workstations. The fourth project was the City Hall Clock Relocation Project. The final project installed a new insulated ceiling on the third floor. All of these projects were either designed by or in consultation with Harriman Associates.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Cost estimate is from local contractors and suppliers.

FUNDING SOURCES

Source	Amount		Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	220,000				
Federal/State Funding		Agency: _____	Approval Received?	Yes	No
Other Agency/Municipality		Agency: _____	Approval Received?	Yes	No
Total Project Costs	220,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	0	120,000	100,000			
Non-City Share						
City Share	0	120,000	100,000	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

**FY 2012 Lewiston Capital Improvement Program
Project Description Form**

Library Building Exterior Wall and Steps Rehabilitation and Window Replacement Project

Project Title:

Operational Funding Division: Public Works - Buildings **Project Name:** BLDG 5

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	70,000
City Share FY 2012:	0	City Share FY 2012-2016	70,000

Project Description:

Re-point and clean the exterior granite walls and repair exterior granite steps of the City's Library Buildings. Replace 12 double hung wood windows and 12 fixed wood windows located on the north face of the original library building with fixed aluminum double hung windows with Low-E/Argon insulating glass. The funds requested in this LCIP will finish the balance of the Exterior Library Building Projects.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Justification for project implementation/construction and segments, if applicable:

The existing mortared joints of the exterior granite walls are deteriorating. The rehabilitation project would preserve the large investments already made to the interior space, prevent any damage to the superstructure, and maintain the historic value of the Library Building. The existing windows' current R-value is approximately 1.0 to 1.25. Removing the existing windows and replacing them with fixed aluminum double hung windows with Low-E/Argon insulating glass will bring the R-value to around 3.0. Matching metal trim will be wrapped around the exterior trim and existing sill which will eliminate maintenance painting in the future.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Estimate was obtained from DMT, a masonry contractor.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	70,000				
Federal/State Funding		Agency:	Approval Received?	Yes	No
Other Agency/Municipality		Agency:	Approval Received?	Yes	No
Total Project Costs	70,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost		70,000				
Non-City Share						
City Share		70,000	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Police Department Building Sidewalk Replacement Project

Operational Funding Division: Public Works - Buildings **Project Name:** BLDG 6

Est. Total Cost FY 2012:		Est. Total Cost FY 2012-16:	40,000
City Share FY 2012:		City Share FY 2012-2016	40,000

Project Description:

Replace the Police Department Building concrete paver walkway to Lisbon and Park Street and provide a drainage system.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Justification for project implementation/construction and segments, if applicable:

Many of the existing pavers are broken and seriously deteriorated, which has created tripping hazards. During the winter, the defective pavers collect water, then freeze, causing a slippery surface that has resulted in many falls. Additional drainage would allow us to collect the water before it freezes, reducing ice build-up.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Cost estimate from City Staff.

FUNDING SOURCES

Source	Amount			
City Operating Budget				
City Bond Issue	40,000			
Federal/State Funding		Agency: <u>CDBG-optional</u>	Approval Received?	<u>No</u>
Other Agency/Municipality		Agency: _____	Approval Received?	<u>Yes</u> <u>No</u>
Total Project Costs	40,000			

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost		40,000				
Non-City Share						
City Share	0	40,000	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Multi Purpose Center Boiler Replacement Project

Operational Funding Division: Public Works **Project Name:** BLDG 8

Est. Total Cost FY 2012:		Est. Total Cost FY 2012-16:	200,000
City Share FY 2012:		City Share FY 2012-2016	200,000

Project Description:

Replace the two oil boilers with two gas fired boilers at the Multi Purpose Center. A new control system would be included to increase efficiency and provide for better management of the heating needs of the facility.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

N/A

Justification for project implementation/construction and segments, if applicable:

The oiler fired boilers are 25 years old and require more than the normal amount of maintenance. One of the two oil boilers is now leaking, which is a violation of the Board of Boilers and Pressure Vessels' laws and rules. The cost to repair the leak is about \$22,000. The best oil boiler is about 80 to 85 percent efficient, while a gas boiler is up to 95 percent efficient.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Staff and cost estimates from Integrated Energy Systems.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	200,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	200,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost		200,000				
Non-City Share						
City Share	0	200,000	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Upper Franklin Pasture Outdoor Lighting

Operational Funding Division: Recreation Department **Project Name:** Outdoor Lighting-Up Franklin

Est. Total Cost FY 2012:		Est. Total Cost FY 2012-16:	110,000
City Share FY 2012:		City Share FY 2012-2016	110,000

Project Description:

Illuminating Upper Franklin would allow for increase use of the area, increase actual field use both by youth and adults. The cost reflects the fixtures and bulbs purchased from Musco and installation of the system by Lewiston Regional Technical Center.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Franklin Pasture Study.

Justification for project implementation/construction and segments, if applicable:

Increased recreational usage of this area.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Cost estimates from Musco lighting system and Lewiston regional Technical Center.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	110,000				
Federal/State Funding		Agency: _____	Approval Received?	Yes	No
Other Agency/Municipality		Agency: _____	Approval Received?	Yes	No
Total Project Costs	110,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost		110,000				
Non-City Share						
City Share		110,000	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Recreation Facilities

Operational Funding Division: Recreation Department **Project Name:** Cross Country Trail

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	100,000
City Share FY 2012:	0	City Share FY 2012-2016	100,000

Project Description:

Develop a cross country trail within Franklin Pasture. Trail portions would be developed along a section of East Ave. and Bartlett St. continue above Hudson bus lines and the MPC to Marcotte Park, down to the practice football field, and back along to Hudson Bus, to the area near the practice soccer field, baseball field, and back to a section of East Ave. The trail would be approximately 4 feet wide and 1.9 miles long. It has been mapped out with Department staff, cross country coaches, and the Public Works Department.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Justification for project implementation/construction and segments, if applicable:

Lewiston does not have a bonified cross country area for the community and local schools. Seasonal programs such as cross country running, skiing, snowshoeing, cross country meets, wellness and physical education programs, outdoor education programs, and others could make use of this area.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

In-house, cross country coaches, public works, and public input. Approximate cost is as follows: Rental trucks and Equipment \$32,000; Rip-rap \$15,000; Gravel \$7,000; Stonedust \$5,600; Geo textile fabric \$900; Gate and Fence \$3,000 Gate Fence \$3,000 - Chain link Fence \$4,000 - Guardrail \$2,000 - Ten culverts \$6,000 - Three bridges \$15,000 - Misc. \$9,000.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	100,000				
Federal/State Funding		Agency: _____	Approval Received?	Yes	No
Other Agency/Municipality		Agency: _____	Approval Received?	Yes	No
Total Project Costs	100,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost		50,000	50,000			
Non-City Share						
City Share	0	50,000	50,000	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Operational Funding Division: Airport Project Name: Airport Improvement

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	250,000
City Share FY 2012:	0	City Share FY 2012-2016	3,125

Project Description:

Runway obstructions clearing and lighting

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Yes, Airport Master Plan and FAA/MDOT

Justification for project implementation/construction and segments, if applicable:

Runway expansion and extension will require the removal and or lighting of obstacles to approach paths of the runways. These approaches must be cleared of obstacles if possible or lit. This will require the purchase of aviation easements over some existing properties.

Future maintenance costs if known, including contracts and special service requirements:

NA

How were cost estimates obtained:

Engineer Estimate

FUNDING SOURCES

Source	Amount				
City Operating Budget	3,125				
City Bond Issue					
Federal/State Funding	243,750	Agency:	<u>FAA /MDOT</u>	Approval Received?	Yes No
Other Agency/Municipality	3,125	Agency:	<u>Auburn</u>	Approval Received?	Yes No
Total Project Costs	250,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost		250,000				
Non-City Share		246,875				
City Share	0	3,125	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Operational Funding Division: Lewiston-Auburn 911 Project Name: Replace Air Handler

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	40,000
City Share FY 2012:	0	City Share FY 2012-2016	20,000

Project Description:

Replace the current air handler system in the server room to compensate for the heat generated by the equipment. The equipment includes voice recorder system, Motorola radio control station and associated boards and devices, public safety database servers, storage devices, security control servers, network controls and equipment that interfaces with the State of Maine Metro system for Law Enforcement.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Maintain equipment in operational condition to be called upon at any time.

Justification for project implementation/construction and segments, if applicable:

Equipment has been added to the server room that has created enough heat to overload the current air handling system. Heat in the room can get the point where equipment starts to fail and permanent damage can be done. Each server can produce as much as 500 watts of heat, equivalent to a small floor heater. With 12 servers and additional equipment in the room, the temperature quickly becomes a serious threat to the system.

Future maintenance costs if known, including contracts and special service requirements:

With the reduction in equipment that will result from the server upgrade as proposed, the current air handler will be able to maintain acceptable room temperature so this project will not have to move forward.

How were cost estimates obtained:

Nason Mechanical.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	20,000				
Federal/State Funding		Agency:	<u>City of Auburn</u>	Approval Received?	No
Other Agency/Municipality	20,000	Agency:	_____	Approval Received?	Yes No
Total Project Costs	40,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost		40,000				
Non-City Share		20,000				
City Share	0	20,000	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

NASON MECHANICAL SYSTEMS
194 Merrow Road Auburn, ME 04210
Phone: 207-782-0727
Fax: 207-784-9816

To: Terry	From: Todd Gagne
Company: E911	Date: 11-14-08
Fax:	Pages: 2
Phone:	Re: Server Room Exhaust Fan

Urgent **For Review** **Please Comment** **Please Reply** **Please Recycle**

Terry,

We're pleased to provide you with this proposal to remedy your server room overheating issues.

Based the equipment list I gathered while I was at you facility last week and using the internet, I was able to gather a total cooling load for the server room to be 72,000 Btu/hr sensible. Most equipment is sized so that 80% of its total capacity is for the sensible heat. Therefore, the size of the cooling unit needed to properly cool your server room would be 90,000 Btu/hr (7.5 tons).

You could either accomplish this cooling by installing two 4 ton split air conditioners (similar to the one that is currently providing marginal cooling) or install one 7.5 ton unit.

Each of which will cost between \$17,500 and \$20,000

If we installed an exhaust fan as you indicated to allow the warm air to exhaust through the ductwork that leads into the hose tower, the exhaust fan will need to discharge roughly 1,500 cfm. Obviously a 1,500 cfm fan is a bit larger than your conventional 50 cfm bathroom exhaust fan and therefore more expensive

The fan air flow is based on a 20F outside air temp and will only provide marginal cooling for the short term. Ultimately, the cooling needs for this room should be reviewed thoroughly and a permanent (correct size air conditioning system) system should be installed

In any event, our price to install a Broan Model L1500L inline exhaust fan with speed variable speed controller and a thermostat is \$4,200.

This price does not include electrical hook-up. A budget for this may be around \$500

If you have any questions or concerns, please feel free to give me a call.

Sincerely,

Todd Gagne

FY 2012 Lewiston Capital Improvement Program Project Description Form

Operational Funding Division: Lewiston-Auburn 911 Project Name: Console radio upgrade

Est. Total Cost FY 2012:	83,156	Est. Total Cost FY 2012-16:	0
City Share FY 2012:	41,578	City Share FY 2012-2016	0

Project Description:

Install radios into the 7th and 8th position consoles at the Lewiston-Auburn 911 Center. This will require software upgrades for the complete base system.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Lewiston-Auburn 911 must maintain and use communication equipment that meets the needs of the emergency communications center and the public safety agencies we serve.

Justification for project implementation/construction and segments, if applicable:

The 7th and 8th console positions are positions to be used for emergencies and as back up for the regular positions. The positions are currently set up for call-taking measures only. The addition of the radios will make these full operational positions. When the communication center is fully staffed, there are no completely operational back-up work stations for employees to use in the event an active work station becomes inoperative.

Future maintenance costs if known, including contracts and special service requirements:

Once updated, the system has a warranty and will then be covered under the maintenance agreement we current have.

How were cost estimates obtained:

Motorola Corp. This is a Motorola based system and this is a single source based pricing.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	No
City Operating Budget				
City Bond Issue	41,578			
Federal/State Funding		<u>City of Auburn</u>	<u>Approval Received?</u>	<u>No</u>
Other Agency/Municipality	41,578	<u>Agency:</u>	<u>Approval Received?</u>	<u>Yes</u> <u>No</u>
Total Project Costs	83,156			

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost		83,156				
Non-City Share		41,578				
City Share	0	41,578	0	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

10/6/2010

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LEWISTON - AUBURN 911 CONSOLE UPGRADE

ITEM	QTY	NOMENCLATURE	DESCRIPTION	MSRP	EXTENDED	NET	EXTENDED
1	2	B1822	CENTRACOM GOLD ELITE ELECTRONICS	12650	25300	\$ 11,132.00	\$ 22,264.00
1a	2	K704AE	ADD: HEADSET JACK W/ 15FT CABLE	240	480	\$ 211.20	\$ 422.40
1c	2	K572AF	ADD: FOOTSWITCH	96	192	\$ 84.48	\$ 168.96
1d	2	K811AB	DESK MICROPHONE, DEL: CONDENSER MIC	117	234	\$ 102.96	\$ 205.92
1e	2	K154AJ	ADD: 100'CBL 7 PAIR	103	206	\$ 90.64	\$ 181.28
1f	2	K656	RS232 INTERFACE	298	596	\$ 262.24	\$ 524.48
1g	2	K729AA	AUXILIARY PAGING W/PTT	75	150	\$ 66.00	\$ 132.00
2	2	3085038U01	TELEPHONE HEADSET INTERFACE CABLE	141	282	\$ 124.08	\$ 248.16
3	1	B1827	CENTRACOM GOLD SOFTWARE LICENSE	165	165	\$ 165.00	\$ 165.00
3a	2	X293	ADD: SOFTWARE LICENSE, ELITE POSITION	6000	12000	\$ 6,000.00	\$ 12,000.00
5	1	B1879	CC GOLD SOFTWARE REFRESH PAC	0	0	\$ -	\$ -
5a	8	X72	ADD: SOFTWARE REFRESH, ASTRO	600	4800	\$ 600.00	\$ 4,800.00
5b	9	X49	ADD: SOFTWARE REFRESH, BIM	400	3600	\$ 400.00	\$ 3,600.00
5c	6	X69	ADD: SOFTWARE REFRESH COIM, LOIM	800	4800	\$ 800.00	\$ 4,800.00
5d	6	X03	ADD: S/W REFRESH ELITE/ADM/CDM	550	3300	\$ 550.00	\$ 3,300.00
6	2	TT2289	ELITE WORKSTATION W/ VISTA SP2	2550	5100	\$ 2,448.00	\$ 4,896.00
7	2	CDN6292	TRISTAR NOISE CANCELLING HEADSETS	145	290	\$ 139.20	\$ 278.40
8	3	DS019BLK	19INCH NON-TOUCH MONITOR BLACK	1520	4560	\$ 1,459.20	\$ 4,377.60
9	3	DSCDN6171B	TRACKBALL	365	1095	\$ 350.40	\$ 1,051.20
10	1	L3235	ADDITIONAL 5 CLIENT LICENSE	290	290	\$ 290.00	\$ 290.00
11	1	DDN1066	ML110-G6 SERVER	5000	5000	\$ 4,800.00	\$ 4,800.00
INSTALLATION							\$ 6,400.00
SYSTEM TECHNOLOGIST (5 DAYS)							\$ 8,250.00
SYSTEM TOTAL:							\$ 83,155.40

Quote provided by Chuck McCormick - Motorola, Inc
Pricing validity - 60 days

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Park Street Area Enhancement

Operational Funding Division: Public Works - Highway Sts **Project Name:** Park Street

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	1,140,000
City Share FY 2012:	0	City Share FY 2012-2016	1,140,000

Project Description:

Upgrade Park Street between Pine and Spruce to include new walkways, diagonal parking on the Kennedy Park side, and changing the vehicular traffic flow from two (2) to one (1) lane with a bicycle lane.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

This project is consistent with the original Downtown section of the Comprehensive Plan. This project supports Public Works Goal #4, "Improve the City's Pavement Conditions - Reconstruct streets and roadways that have inadequate road base."

Justification for project implementation/construction and segments, if applicable:

Goals of the project include beautification, safety, and increasing the use of the area. This is a phased project for budgeting purposes. FY2004 funding hired a landscape architect to study the area and make recommendations for improvements. The original phase 1, which has been completed, involved improvements in the area of Park Street between Courthouse Plaza and the Park Street parking garage. The final two phases of the project, involving the newly renovated area of Kennedy Park, were moved ahead and completed in the 2007 construction season. This funding will complete the original plan which included the road and sidewalks on Park Street from Main Street to Pine Street.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff and cost estimates were made by City Staff. The estimates may change after detailed plans are completed and the first year of the project is bid.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	1,140,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	1,140,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost			310,000	830,000		
Non-City Share						
City Share			310,000	830,000	0	0

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Birch Street Road and Sidewalk Rehabilitation

Operational Funding Division: Public Works **Project Name:** _____

Est. Total Cost FY 2012:		Est. Total Cost FY 2012-16:	925,000
City Share FY 2012:		City Share FY 2012-2016	925,000

Project Description:
Project improvements include rehabilitating Birch Street from Park Street to Jefferson Street and rehabilitating sidewalks (5,600') with granite curbing. This section of Birch Street is 2,610 feet long.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:
This project supports Public Works Goal #4, "Improve the City's Pavement Conditions - b. Reconstruct streets and roadways that have inadequate road base." It also supports the City of Lewiston's Strategic Plan under "Neighborhood Identity - Transportation within Neighborhoods - objective - Continue enhancement of road improvements and transportation infrastructure for the benefit of motorist, bicyclist and pedestrians." And objective "Consider traffic calming measures in neighborhoods where safety and quality of life are impacted by excessive traffic speed and or congestion."

Justification for project implementation/construction and segments, if applicable:
Sidewalks and road are in poor condition and some sidewalk sections are considered hazardous. The area does not meet ADA standards or requirements. Birch Street receives considerable pedestrian and vehicular traffic. The sidewalk and road serves Lewiston High School and Longley School (students living in this area are all walkers). A municipal playground, two athletic fields, elderly housing, two community centers, and the Androscoggin Coliseum are also located on this street.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:
Cost estimates were obtained by City staff.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	925,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	925,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost			925,000			
Non-City Share						
City Share	0	0	925,000	0	0	0

**FY 2012 Lewiston Capital Improvement Program
Project Description Form**

Project Title:

Sabattus St. Center Left Turning Lane Project from Laurier St. to Old Greene Rd.

Operational Funding Division: Public Works **Project Name:** Sabattus - Laurier to Old Gree

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	2,275,000
City Share FY 2012:	0	City Share FY 2012-2016	227,500

Project Description:

MeDOT PIN #130.62.00 was the highest rated project for the Androscoggin Transportation Resource Center's proposed 2008-2010 Transportation Improvement Program. The Maine DOT project scope identifies this project as "Preliminary Engineering for Future Highway Rehabilitation on Sabattus St. Rte 126: Beginning at Laurier Avenue and extending easterly 0.49 of a mile to the Old Geene Road." This project involves construction of a center turning lane, drainage, sidewalks and ADA modifications on Sabattus from Laurier St. to Old Greene Road. This is identical to the scope of work performed under MeDOT Project #8676, which widened the road to add a center turn lane on Sabattus St. from Russell St. to Laurier St. This project extends that work to Old Greene Road. ROW issues may impact the design due to limited distance between the existing right of way and abutting structures. Construction is not yet programmed in the MeDOT workplan, and the project does not show up in the MeDOT 2010-2013 STIP. Construction is shown in 2014 in hopes the significant ROW issues and design can be completed by then.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Androscoggin Transportation Resource Center 2008-2011 TIP and MeDOT Biennial Work Plan 2008-2009.

Justification for project implementation/construction and segments, if applicable:

Improved and better traffic flow and safety. This section of Sabattus St. has seen considerable development and a dramatic increase in traffic volume resulting in an inability of vehicles to make left turns into abutting properties and from these properties onto Sabattus St. The project is priority #1 on the ATRC 2008-2011 Transportation Improvement Program.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff and citizen concerns. The cost estimates are from MeDOT based upon construction costs for a similar project (PIN 8676).

FUNDING SOURCES

<u>Source</u>	<u>Amount</u>		<u>Agency:</u>	<u>Approval Received?</u>	
City Operating Budget					
City Bond Issue	227,500				
Federal/State Funding	2,047,500	Agency:	<u>MDOT</u>	Approval Received?	Yes
Other Agency/Municipality	0	Agency:		Approval Received?	Yes No
Total Project Costs	2,275,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>Future</u>
Total Project Cost			2,275,000			
Non-City Share			2,047,500			
City Share	0	0	227,500	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Main Street Fire Station Expansion and Rehabilitation Project

Operational Funding Division: Fire Department Buildings **Project Name:** BLDG 7

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	650,000
City Share FY 2012:	0	City Share FY 2012-2016	650,000

Project Description:

Renovate the existing Main Street fire sub station space to more adequately accommodate living, office, and exercise space needs. Building a new apparatus garage bay will provide the necessary space to accomplish renovations. Purchase adjacent building and lot to accommodate the garage bay expansion. Cost estimates to purchase adjoining property are included in this LCIP proposal.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

According to the 2009 Lewiston Fire Station Location Study, the Main St. Station meets the needs of the fire department as far as location. The existing building, which was built in 1955, has many age related problems. The living and office space is limited due to the size of the building. There is no exercise area; the crew uses the apparatus bay for exercise space. The existing roof is 19 years old and should be replaced in 6 years. The addition of a garage bay would present the opportunity to renovate the existing fire station to more adequately accommodate living, office, and exercise space.

Justification for project implementation/construction and segments, if applicable:

Based on the need and current condition of fire station building, a plan to improve the stations incrementally and in phases will ensure needs are met and the financial impact will be spaced over a specified time period in conjunction with a well coordinated schedule.

Future maintenance costs if known, including contracts and special service requirements:

Future cost will be included as part of the Fire Department operating budget.

How were cost estimates obtained:

Fire Station Location Study and estimates from vendors and architect.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	650,000				
Federal/State Funding		Agency: _____	Approval Received?	Yes	No
Other Agency/Municipality		Agency: _____	Approval Received?	Yes	No
Total Project Costs	650,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost			650,000	0		
Non-City Share						
City Share	0		650,000	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program

Project Description Form

Project Title: Police Department Building Expansion Project

Operational Funding Division: Public Works **Project Name:** BLDG 9

Est. Total Cost FY 2012:		Est. Total Cost FY 2012-16:	2,500,000
City Share FY 2012:		City Share FY 2012-2016	2,500,000

Project Description:

To expand the Police Department Facilities by providing additional garage space for police vehicles, office space for police personnel, and exterior parking space.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

N/A

Justification for project implementation/construction and segments, if applicable:

The Lewiston Police Department is requesting consideration for building, garage, and parking expansion for the following reasons:

- a.) Additional space is needed to house the Violent Crimes Task Force (comprised of many law enforcement agencies) and Hazmat vehicles and equipment valued at over \$400,000. The Lincoln St. building now housing these functions and equipment is at the end its useful life and will be demolished if passenger rail service is re-established in downtown Lewiston. The Task Force satellite location creates the need for frequent travel to Lewiston PD to access police teletype and records and to interact with other detectives. The expansion would provide an environment to better safeguard this Hazmat equipment and make it easier and less time consuming for staff to service these vehicles and equipment.
- b.) Additional female locker room space is needed. The women's locker room has seven lockers. We currently employ five female officers. A strategic goal is to increase the number of female officers, requiring additional space soon.
- c.) The Criminal Investigation Division needed space so badly that they converted a small waiting room into an office for two individuals.
- d.) Additional classroom space is needed. The current classroom only seats 24 comfortably. A closet at the rear of the classroom is used for the photo identification system. The library is also at the rear of the classroom and has been converted into an officers' report room. Utilization of the report room interrupts classroom use.
- e.) Additional space is needed for the storage of evidence and property.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

City Staff and cost estimate from Architect.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	2,500,000				
Federal/State Funding		_____	_____		
Other Agency/Municipality		_____	_____		
Total Project Costs	2,500,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost			500,000	2,000,000		
Non-City Share						
City Share	0	0	500,000	2,000,000	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: City Buildings Security System

Operational Funding Division: Public Works Buildings **Project Name:** BLDG 10

Est. Total Cost FY 2012:		Est. Total Cost FY 2012-16:	50,000
City Share FY 2012:		City Share FY 2012-2016	50,000

Project Description:

Provide security systems for City Hall, Library, and Multi Purpose Center buildings. The security system will include cameras, conduit, cables, and a computer system that would be tied into the City network.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

N/A

Justification for project implementation/construction and segments, if applicable:

The MPC, Library, and City Hall are highly used facilities visited by the public every day. Some visitors use the facilities' public restrooms and to stay warm during the winter months. On many occasions, some of them have created problems including property damage and serious unsanitary conditions. This system would provide security surveillance for the hallways and intruder alarms for the exterior skin of the building. The security system would provide the tools to minimize problems and provide a more secure work environment for employees.

Cost for MPC	\$15,000
Cost for City Hall	\$25,000
Cost for Library	\$10,000
Total Estimated Project Cost	\$50,000

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

City Staff and cost estimate is from Norris, Inc.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	No
City Operating Budget				
City Bond Issue				
Federal/State Funding	50,000	Homeland Sec		
Other Agency/Municipality				
Total Project Costs	50,000			

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost			50,000			
Non-City Share						
City Share	0	0	50,000	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Armory/Recreation Building Window Replacement Project

Operational Funding Division: Public Works **Project Name:** BLDG 11

Est. Total Cost FY 2012:		Est. Total Cost FY 2012-16:	60,000
City Share FY 2012:		City Share FY 2012-2016	60,000

Project Description:

Replace the existing wood/aluminum windows with new bronze, fully welded vinyl double hung windows with Low-E/Argon insulated glass.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

N/A

Justification for project implementation/construction and segments, if applicable:

Current windows are double hung wood with aluminum storm windows on the exterior. The existing R-value is between 0.75 and 1.0. Air infiltration is approximately 1.00 CFM/F+2 @ 25MPH. These windows need constant maintenance, which entails re-sealing and repainting. The 2007 Window Study recommended installing bronze fully welded vinyl double hung windows with Low-E/Argon gas glazing. Based on \$3.50 a gallon for fuel oil, the payback is only 8 years. Warranty on these windows would be lifetime on all parts and twenty years on the glass (this does not include broken glass). Installation will include removal of the ropes and weights from the pockets and filling them with fiberglass insulation. Exterior trim will be capped with a 0.04 break metal and caulked with tripolymer sealant matching the window color. We would reuse the interior trim. There will be no maintenance needed on the exterior and the interior will only require a light touch up painting. The new R-value would be 3.0 and the air infiltration rate .14 CFM/F+2 @ 25 MPH.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Staff and cost estimate from Window study completed in 2007 by Marc St Hilaire.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	60,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	60,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost			60,000			
Non-City Share						
City Share	0	0	60,000	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Sabattus Street Fire Station Relocation or Rehabilitation Project

Operational Funding Division: Fire Department Buildings **Project Name:** BLDG 12

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	1,100,000
City Share FY 2012:	0	City Share FY 2012-2016	1,100,000

Project Description:

Option I: Relocate the Sabattus St. Fire Sub Station to the corner of North Temple St. and Sabattus St. Option I cost estimate is \$1,000,000.

Option II: Rehabilitate the existing building including renovation and expansion of the existing living/office space, a new paved entrance, providing for additional parking, and installing new exterior building membrane. Option II cost estimate is \$500,000.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

According to the 2009 Lewiston Fire Station Location Study, the Sabattus St Station meets the needs of the fire department as far as location. The existing building, which was built in 1942, has many age related problems. The living and office space is small, limiting expansion, and the exercise area is located in the basement, which suffers from poor ventilation and water seepage. The existing roof is 19 years old and should be replaced in 6 years. The exterior brick facade and basement wall systems have failed and are leaking. The exterior walls have an R value of only 2. Front entrance paving needs to be replaced, and there is a need for additional parking. The fire unit assigned must back into the garage, which is difficult given the high volume of traffic on Sabattus Street. Relocation to North Temple St will provide access to a traffic signal, thereby providing safe and controlled access to Sabattus St. Currently, warning lights only slow traffic.

Justification for project implementation/construction and segments, if applicable:

Based on the need and current condition of fire station buildings, a plan to improve the stations incrementally and in phases will ensure needs are met while spacing the financial impact over a specified time period in conjunction with a well coordinated schedule.

Future maintenance costs if known, including contracts and special service requirements:

Future costs will be included as part of the Fire Department operating budget.

How were cost estimates obtained:

Fire Station Location Study and estimates from vendors and architect.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	1,100,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	1,100,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	0		100,000	1,000,000		
Non-City Share						
City Share	0	0	100,000	1,000,000	0	0

Attach on separate page(s)/sheet additional information (if needed)

**FY 2012 Lewiston Capital Improvement Program
Project Description Form**

Project Title: Public Transit Bus Replacement

Operational Funding Division: Lew-Aub Transit Committee **Project Name:** Bus Replacement

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	1,050,000
City Share FY 2012:	0	City Share FY 2012-2016	105,000

Project Description:

Scheduled bus replacement: 2 in 2014 and 1 in 2016.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Replacing buses is necessary to support the transit services designed in the Lewiston Auburn Transit Committee's recent fixed route study, "An Evaluation of the Fixed-Route Bus System in Lewiston-Auburn," July 2009, and is consistent with LATC's capital replacement plan.

Justification for project implementation/construction and segments, if applicable:

Transit buses that have met their useful life must be replaced to ensure safe and reliable public transit. Newer buses typically cost less to maintain than older buses.

Future maintenance costs if known, including contracts and special service requirements:

Manteca costs are not precisely known; however, the cost to maintain the bus fleet is included in LATC's annual operating and maintenance budget for fixed route transit service. Buses operated beyond their useful lives experience higher maintenance costs and more frequent break downs.

How were cost estimates obtained:

Costs are based on current buses purchase through the Maine Department of Transportation. Federal funding is expected to pay up to 80% of the cost and Auburn 10%. State funding may come in at 10% thereby reducing the local to 5%.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	210,000				
Federal/State Funding	2,755,000	Agency:	_____	Approval Received?	Yes No X
Other Agency/Municipality	210,000	Agency:	_____	Approval Received?	Yes No X
Total Project Costs	3,175,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost	0	0	700,000	0	350,000	2,125,000
Non-City Share	0	0	630,000		315,000	2,020,000
City Share	0	0	70,000	0	35,000	105,000

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: South Ave from Lisbon St. to Lincoln St. Rehabilitation Project

Operational Funding Division: Public Works - Highway ATRC **Project Name:** _____

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	2,200,000
City Share FY 2012:	0	City Share FY 2012-2016	2,200,000

Project Description:

The Androscoggin Transportation Resource Center (ATRC) is the Metropolitan Planning Organization (MPO) addressing and managing State and Federally eligible transportation projects and programs for Lewiston, Auburn, Lisbon, and Sabattus. ATRC maintains a list of backlogged projects that are eligible for federal & state funding but have not yet been included in the State Transportation Improvement Program's 3-year work plan. The \$200,000 portion of this project is to provide Preliminary Engineering and Right-of-Way assessment for a project to rehabilitate South Ave. (from Lincoln St. to Lisbon St.). This includes full depth reconstruction, storm drainage, and sidewalks. It will expand the width of the roadway to about 36 ft. with 12 ft. travel lanes and 6 ft. paved shoulders that could accommodate bicycle paths. Curb will be installed the entire length of the project, with granite curb between Lisbon & Mary Sts. and bituminous curb between Mary and Lincoln St. A bituminous sidewalk (6 ft. width) and a 4 ft esplanade would extend on the easterly side of South Ave. from Lisbon St. to the former RR ROW. On the westerly side of South Ave., a 5 ft wide sidewalk would extend from Lisbon St. to the former RR ROW. Underground storm drains will be installed.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Androscoggin Transportation Resource Center (ATRC) 6 & 20 year Transportation Improvement Program; East Side Corridor Transportation Strategies Study; and the Downtown Connector Study.

Justification for project implementation/construction and segments, if applicable:

Improve roadway to meet growing traffic demands and serve as a link between Lisbon and Lincoln Streets. This section of South Avenue has never been reconstructed. It is a major link between Lisbon St. (Rte 196) and Lincoln St./River Road as described in the East Side Corridor Transportation Strategies Study and the Downtown Connector Study. With improvements to MTA exit 80, this section of South Ave will see an increase in traffic as a result of the Lisbon St.-Lincoln St. connection.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff and public complaints. Cost estimates were obtained from City Staff.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	220,000				
Federal/State Funding	1,980,000				
Other Agency/Municipality					
Total Project Costs	2,200,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost			200,000	2,000,000		
Non-City Share			180,000	1,800,000		
City Share	0	0	20,000	200,000	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: River Rd. Rehabilitation Project (South Ave. to AA Parkway)

Operational Funding Division: Public Works - Highway ATRC **Project Name:** _____

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	2,700,000
City Share FY 2012:	0	City Share FY 2012-2016	2,700,000

Project Description:

The Androscoggin Transportation Resource Center (ATRC) is the Metropolitan Planning Organization (MPO) addressing and managing State and Federally eligible transportation projects and programs for Lewiston, Auburn, Lisbon, and Sabattus. ATRC maintains a list of backlogged projects that are eligible for federal and state funding, but which have not yet been included in the State Transportation Improvement Program's 3-year work plan. This project involves street widening, a bike/pedestrian way, pavement overlay, curb and sidewalk improvements, storm drainage, and traffic control improvements. While this is related to the Downtown Connector project, the ATRC Policy Committee voted not to include it as one of the earmarked projects. As a result, it is a stand-alone project that will have to be funded. It would be the next phases of the Lincoln St-River Rd arterial improvements started with the Lincoln St. projects between Main St. and South Ave. The project has 3 identified phases: \$1,200,000 (South Ave to MTA), \$1,500,000 (MTA to LPW Ops Ctr) and \$900,000 (LPW Ops Ctr to AA Plourde Pkwy).

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Androscoggin Transportation Resource Center (ATRC) 6 & 20 year Transportation Improvement Program.

Justification for project implementation/construction and segments, if applicable:

Improved roadway to meet growing traffic demand to and from the downtown. The roadway is currently deteriorated and in poor condition with little in the way of storm drainage or pedestrian/bicycle access. The Downtown Connector/Turnpike Interchange Study recommended significant improvements to Exit 80 and Plourde Parkway. This, combined with expected additional development in the South Lewiston Growth Area, will increase use of this stretch of roadway. With Main St. to Gully Brook completed and Gully Brook to South Ave scheduled for 2011, these are the next sections that should be addressed for this access route to relieve traffic on Lisbon St.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated and estimates were obtained from City staff.

FUNDING SOURCES

Source	Amount			
City Operating Budget				
City Bond Issue	360,000			
Federal/State Funding	3,240,000	Agency: <u>ATRC</u>	Approval Received?	<u>Pending</u>
Other Agency/Municipality		Agency: _____	Approval Received?	_____
Total Project Costs	3,600,000			

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost			1,200,000	1,500,000		900,000
Non-City Share			1,080,000	1,350,000		810,000
City Share	0	0	120,000	150,000	0	90,000

Attach on separate page(s)/sheet additional information (if needed)

River Road Rehabilitation Project (South Ave to A.A. Plourde Parkway)

Phase	Length (feet)	Estimated Cost
Phase I - South Avenue to Maine Turnpike (MTA)	2200	\$875,000
Phase II - maine Turnpike (MTA) ramps to Public Works Operations Center (potential access from Walmart DistributionCenter)	2700	\$1,100,000
Phaes III - Public works Operations Center to A.A. Plourde Parkway	1800	\$725,000
TOTALS	6700	\$2,700,000

FY 2012 Lewiston Capital Improvement Program

Project Description Form

Project Title: East Avenue Reconstruction (Campus Ave to Fairlawn St)

Operational Funding Division: Public Works - DOT Projects **Project Name:** East/Campus to Fairlawn

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	2,615,000
City Share FY 2012:	0	City Share FY 2012-2016	261,500

Project Description:

The Maine DOT Statewide Transportation Improvement Program (STIP) for 2010-2013 (revised September 2009) includes a project identified as PIN 43444 (which is a placeholder until a formal PIN is assigned). The project scope is "Road reconstruction on East Avenue beginning at the intersection with Campus Ave and extending ~0.4 miles northeast to near the intersection with Fairlawn Ave. Work shall include widening and signalized intersection improvements to provide turning lanes and transitions for the major intersections at Sabattus St (State Rte 126) and Russell St."

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Androscoggin Transportation Resource Center (ATRC) TIP and Statewide Transportation Improvement Program

Justification for project implementation/construction and segments, if applicable:

Numerous complaints have been received from motorists, citizens, and political representatives about this section of East Avenue. Widening the roadway to provide turning lanes with transitions will address the issues. This is an MeDOT & Federal Highway project.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

FUNDING SOURCES

Source	Amount						
City Operating Budget							
City Bond Issue	261,500						
Federal/State Funding	2,353,500	Agency:	<u>MeDOT</u>	Approval Received?		<u>Yes in STIP</u>	
Other Agency/Municipality		Agency:	<u> </u>	Approval Received?		<u>Yes</u>	<u>No</u>
Total Project Costs	2,615,000						

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost			2,615,000			
Non-City Share			2,353,500			
City Share	0	0	261,500	0	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: **Downtown/Riverfront Bicycle & Pedestrian Improvement Projects**

Operational Funding Division: Public Works - Highway ATRC **Project Name:** Riverfront Improvements

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	150,000
City Share FY 2012:	0	City Share FY 2012-2016	30,000

Project Description:

Continue the implementation of the Downtown Riverfront Bicycle and Pedestrian System. Phase II - Simard-Payne Park link to Downtown across Cross Canal No. 1 and Phase III - Simard-Payne Park link to the bike and pedestrian path proposed to be included near Lincoln Street from Gully Brook to South Avenue. Phase I was completed as part of Simard-Payne Park Improvements.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Consistent with Comprehensive Plan: Transportation Goal 1-P (Page 119), and Land use Issue #16 (Page 124). 1995 LACTS Bicycle and Pedestrian Plan.

Justification for project implementation/construction and segments, if applicable:

To provide alternative transportation options and recreational opportunities for people moving to and through our downtown. Improve transportation options, make the City more pedestrian friendly; help downtown revitalization efforts; improve access to the riverfront and development efforts along the river; make downtown more attractive for residents and tourists. Continue implementation of the Bicycle and Pedestrian System from Railroad Bridge and completed Riverfront System. This project will likely not receive funding support before completion of the Androscoggin River Greenway project.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

From LACTS Regional Bicycle and Pedestrian Plan. Cost estimates obtained from Taylor Engineering Associates, consultants for the Downtown Riverfront Bike and Pedestrian Project, Phase I.

FUNDING SOURCES

Source	Amount			
City Operating Budget				
City Bond Issue	30,000			
Federal/State Funding	120,000	Agency: <u>ATRC</u>	Approval Received?	<u>Pending</u>
Other Agency/Municipality		Agency: _____	Approval Received?	<u>Yes</u> <u>No</u>
Total Project Costs	150,000			

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost				Phase II 150,000		Phase III 250,000
Non-City Share				120,000		200,000
City Share	0	0	0	30,000		50,000

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Lincoln St Bikeway/Pedestrian Path

Operational Funding Division: Public Works - Highway ATRC **Project Name:** _____

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	500,000
City Share FY 2012:	0	City Share FY 2012-2016	100,000

Project Description:

During project development and design of the Lincoln St. Rehabilitation between Gulley Brook and South Ave., a concept plan was developed to provide an off-road pedestrian bike path along this corridor. Funding was not available at the time, and the priority given the Androscoggin Greenway project deferred support for this project. However, this is a project deserving support once funding can be made available. A concept design for the project is on the next page.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

LACTS Bicycle and Pedestrian Plan; Maine Department of Transportation supports this project.

Justification for project implementation/construction and segments, if applicable:

Provide facilities for pedestrians and bicycles; promote and facilitate increased use of non-motorized modes of transportation.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff. Cost estimates were obtained from City Staff.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	100,000				
Federal/State Funding	400,000	Agency:	<u>ATRC</u>	Approval Received?	<u>Pending</u>
Other Agency/Municipality		Agency:	_____	Approval Received?	<u>Yes No</u>
Total Project Costs	500,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost				500,000		
Non-City Share				400,000		
City Share	0	0	0	100,000	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Lisbon St. Pavement Preservation & Sidewalk Improvements (Chestnut to Main)

Operational Funding Division: Public Works - Highway ATRC **Project Name:** _____

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	690,000
City Share FY 2012:	0	City Share FY 2012-2016	69,000

Project Description:

The Androscoggin Transportation Resource Center (ATRC) is the Metropolitan Planning Organization (MPO) addressing and managing State and Federally eligible transportation projects and programs for Lewiston, Auburn, Lisbon, and Sabattus. ATRC maintains a list of backlogged projects that are eligible for federal & state funding but which have not yet been included in the State Transportation Improvement Program's 3-year work plan. This project is a mill and fill pavement preservation project including storm drainage repairs as needed. Also included is the repairing/replacing the hardscaped sidewalks (concrete pavers) and crosswalks.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Androscoggin Transportation Resource Center (ATRC) 6 & 20 year Transportation Improvement Program

Justification for project implementation/construction and segments, if applicable:

This project is intended to both preserve and improve the street surface on Lisbon Street in the heart of our downtown and to enhance the appearance and walkability of this arterial street by improving sidewalks and streetscapes.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City & ATRC Staff and citizen complaints. Cost estimates were obtained from City/ATRC Staff

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	69,000				
Federal/State Funding	621,000	Agency:	<u>ATRC</u>	Approval Received?	No
Other Agency/Municipality		Agency:	_____	Approval Received?	Yes No
Total Project Costs	690,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost				690,000		
Non-City Share				621,000		
City Share	0	0	0	69,000	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Pleasant St. from Lisbon St. to Ferry Rd. Rehabilitation Project

Operational Funding Division: Public Works - Highway ATRC **Project Name:** _____

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	600,000
City Share FY 2012:	0	City Share FY 2012-2016	60,000

Project Description:

The Androscoggin Transportation Resource Center (ATRC) is the Metropolitan Planning Organization (MPO) addressing and managing State and Federally eligible transportation projects and programs for Lewiston, Auburn, Lisbon, and Sabattus. ATRC maintains a list of backlogged projects that are eligible for federal and state funding but which have not yet been included in the State Transportation Improvement Program's 3-year work plan. This project involves a full depth reconstruction including installation of storm drainage. (MDOT Back Log Miles). This project was not included in the Maine DOT STIP, but we are hopeful it will be included in future years.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

Androscoggin Transportation Resource Center (ATRC) 6 & 20 year Transportation Improvement Program.

Justification for project implementation/construction and segments, if applicable:

Deteriorating road. Improved roadway to meet growing traffic demands. If anticipated retail development occurs off Plourde Parkway, this project will become more important.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

This project originated from City Staff and citizen complaints. Cost estimates were obtained from MDOT.

FUNDING SOURCES

Source	Amount				
City Operating Budget					
City Bond Issue	60,000				
Federal/State Funding	540,000	Agency:	<u>ATRC</u>	Approval Received?	No
Other Agency/Municipality		Agency:	_____	Approval Received?	Yes No
Total Project Costs	600,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost				600,000		
Non-City Share				540,000		
City Share	0	0	0	60,000	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: City Hall Building Window Replacement Project

Operational Funding Division: Public Works **Project Name:** BLDG 13

Est. Total Cost FY 2012:		Est. Total Cost FY 2012-16:	400,000
City Share FY 2012:		City Share FY 2012-2016	400,000

Project Description:

Replace the existing casement and fixed wood windows on the Park and Pine Street sides of City Hall with new wood framed double hung and fixed windows with Low-E/Argon insulated glass. For the in-filled windows only, (2nd and 3rd floor) installing new Marvin double hung windows. The window exterior finish would have bronze cladding while the interior would be wood that could be painted or stained to match the interior finish. The new windows would look like the original, be much easier to clean (from the inside), have less potential for failure of operating parts, and would carry a new 20 year warranty on the glass and ten years on the rest of the window.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

N/A

Justification for project implementation/construction and segments, if applicable:

The existing windows on the 2nd & 3rd floors of City Hall are Pella Casements and fixed windows that are nearly 25 years old. Providing that the windows are working properly, which means each sash is straight and not warped and each locking mechanism is latching correctly, the R-value is 2.0 to 2.35. The operating cranks of the existing window are failing and are very expensive to replace. The in-fills around the windows are not attractive. Some of the sashes are warped and we can only clean the windows from the outside. Historic preservation of City Hall is important and must be considered in the replacement program. The main benefit of replacing the existing windows is to bring the building back to its original design intent, which means that the window will fill the entire window opening.

Option B: A second option would be to replace the existing aluminum double hung windows. They would look much like the Marvin double hung windows from the outside, but the interior finish would be aluminum.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Estimate was obtained from window supplier and Mark St. Hilaire of Quality Glass.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	400,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	400,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost				400,000		
Non-City Share						
City Share	0	0	0	400,000	0	0

Attach on separate page(s)/sheet additional information (if needed)

RECOMMENDATION:

ESTIMATE: \$500,000

Option:

A second option would be to replace the existing aluminum double hung windows.

Total Estimated Project Cost: \$400,000

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Recreation Department Armory Administrative Office Renovation

Operational Funding Division: Public Works **Project Name:** BLDG 14

Est. Total Cost FY 2012:		Est. Total Cost FY 2012-16:	100,000
City Share FY 2012:		City Share FY 2012-2016	100,000

Project Description:

Complete renovation of the administrative offices of the Recreation Department at the Armory Building. The renovation project would include redesigning office space and provide new wall covering, flooring, lighting, ceiling, and air conditioning system.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

N/A

Justification for project implementation/construction and segments, if applicable:

The existing space has never been renovated and is does not provide the most efficient working environment for the Recreation Department. Some of the rooms are now air conditioned by portable wall units that are noisy and inefficient. The Recreation Department offices are the only municipal administrative offices in the City that do not have an air conditioning system. The renovation and AC system would improve productivity and boost employee morale. It would also improve public access and customer service.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

City Staff with cost estimates obtained from an architect.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	100,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	100,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost				100,000		
Non-City Share						
City Share	0	0	0	100,000	0	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Walnut Street Project

Operational Funding Division: Public Works **Project Name:** _____

Est. Total Cost FY 2012:		Est. Total Cost FY 2012-16:	720,000
City Share FY 2012:		City Share FY 2012-2016	720,000

Project Description:

Project improvements include rehabilitation of Walnut Street from Webster to Bates including rehabilitation of sidewalks, installation of granite curbing, and grinding and repaving the street. This section of Walnut Street is 2992 feet long.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

This project supports Public Works Goal #4, "Improve the City's Pavement Conditions - b. Reconstruct streets and roadways that have inadequate road base." The project also supports the City of Lewiston's Strategic Plan under "Neighborhood Identity - Transportation within Neighborhoods - objective - Continue enhancement of road improvements and transportation infrastructure for the benefit of motorist, bicyclist and pedestrians," and objective "Consider traffic calming measures in neighborhoods where safety and quality of life are impacted by excessive traffic speed and or congestion."

Justification for project implementation/construction and segments, if applicable:

The project is needed due to the poor condition of the road and sidewalks. Sidewalks buckle in some areas and sag in others, are difficult to walk on, and harsh on winter maintenance equipment. The sidewalks also do not meet the Americans with Disabilities Act (ADA). While Walnut's road surface is not in poor condition throughout its entire length, it does need rehabilitation in some sections. Improvements to Walnut St. will enhance traffic flow and the appearance to this area.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Cost estimates were obtained by City staff.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	720,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	720,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost				720,000		
Non-City Share						
City Share	0	0	0	720,000	0	0

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Multi Purpose Center Window Replacement Project

Operational Funding Division: Public Works **Project Name:** BLDG 15

Est. Total Cost FY 2012:		Est. Total Cost FY 2012-16:	150,000
City Share FY 2012:		City Share FY 2012-2016	150,000

Project Description:

Replace Multi Purpose Center single glazed windows with new double hung windows with Low-E/Argon insulated glass and insulation panels.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

N/A

Justification for project implementation/construction and segments, if applicable:

The current windows at the Multi Purpose Center are single glazed windows. The windows consist of steel sash and frames. Some of the frames show signs of corrosion and are in need of repair, including metal patching and welding. Based on \$3.50 a gallon for fuel oil, the payback for window replacement is 12 years. Instead of removing the entire window frame, we are recommending removing just the glass and the 1-1/4" stop, replacing the awning and hopper combination windows with a double hung window in the same existing framework and stops. The Study also recommends that we replace the bottom and top rows of glass with fiberglass or foam insulation sandwiched between two sheets of Omega ply panels. The current R-value is around 0.8 on the windows that operate and 1.0 on the stationary windows. The R-value for the new panel system would be 5.6 and the R-value for the double hung windows would be 2.7. All windows will have a thermal break and the glass will be Low-E/Argon.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Staff and cost estimate from Local Contractor.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	150,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	150,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost					150,000	
Non-City Share						
City Share	0	0	0	0	150,000	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Lisbon Street Fire Station Expansion and Rehabilitation Project

Operational Funding Division: Fire Department Buildings **Project Name:** BLDG 16

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	550,000
City Share FY 2012:	0	City Share FY 2012-2016	550,000

Project Description:

Rehabilitating the existing building, including renovating and expanding the existing living/office space, replacing the apparatus bay floor slab, and providing new access to the station from Albert St. In order to facilitate expansion and new access points, adjoining property would need to be purchased on Albert St and Lisbon St. Cost estimates to purchase adjoining property are included in LCIP proposal.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

According to the 2009 Lewiston Fire Station Location Study, the Lisbon Street Station meets the needs of the fire department as far as location. The existing building, which was built in 1950, has many age related problems. The living/office space does not allow for expansion to relocate the exercise area from the basement to the first floor. The existing roof is 25 plus years old and should be replaced within the next year. The fire unit assigned must back into the garage, which is very difficult given the high volume of traffic on Lisbon Street. By acquiring two adjoining properties, renovations can be made to the garage bay to allow the fire unit to enter from the back of the station and provide a safer entering and exiting procedure. The existing concrete slab in the garage area has many cracks and the surface is severely deteriorated, making it difficult to clean and a potential tripping hazard. Due to the age of the garage floor, resurfacing is not an option.

Justification for project implementation/construction and segments, if applicable:

Based on the existing need and condition of fire station buildings, a plan to improve these stations incrementally and in phases will ensure needs are met while spacing the financial impact over time in conjunction with a well coordinated schedule.

Future maintenance costs if known, including contracts and special service requirements:

Future cost will be included as part of the Fire Department operating budget.

How were cost estimates obtained:

Fire Station Location Study and estimates from vendors and architect.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	550,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	550,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost					550,000	
Non-City Share						
City Share	0	0	0	0	550,000	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Central Fire Station Roof Replacement Project

Operational Funding Division: Public Works **Project Name:** BLDG 17

Est. Total Cost FY 2012:	Est. Total Cost FY 2012-16:
	140,000
City Share FY 2012:	City Share FY 2012-2016
	140,000

Project Description:

Replace the Central Fire Station's 22 year old EPDM (Ethylene Propylene Diene Terpolymer) roof membrane system and install R-30 polyisocyanurate closed cell core insulation.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

N/A

Justification for project implementation/construction and segments, if applicable:

The Central Station roof was installed in 1988. The average life of this roof system is 25 years.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Staff and roofing study completed by Independent Roof Services in 2008.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	140,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	140,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost					140,000	
Non-City Share						
City Share	0	0	0	0	140,000	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Project Title: Multi Purpose Center Roof Replacement Project

Operational Funding Division: Public Works **Project Name:** BLDG 18

Est. Total Cost FY 2012:		Est. Total Cost FY 2012-16:	650,000
City Share FY 2012:		City Share FY 2012-2016	650,000

Project Description:

Replace the Multi Purpose Center's 21 year old EPDM (Ethylene Propylene Diene Terpolymer) roof membrane system and install R-30 polyisocyanurate closed cell core insulation.

Consistency with the Comprehensive or Strategic Plans or other related planning documents:

N/A

Justification for project implementation/construction and segments, if applicable:

The Multi Purpose Center roof was installed in 1988. The average life of this roof system is 25 years.

Future maintenance costs if known, including contracts and special service requirements:

How were cost estimates obtained:

Staff and roofing study completed by Independent Roof Services in 2008.

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	650,000				
Federal/State Funding					
Other Agency/Municipality					
Total Project Costs	650,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost					650,000	
Non-City Share						
City Share	0	0	0	0	650,000	0

Attach on separate page(s)/sheet additional information (if needed)

FY 2012 Lewiston Capital Improvement Program Project Description Form

Operational Funding Division: Airport Project Name: Airport Improvement

Est. Total Cost FY 2012:	0	Est. Total Cost FY 2012-16:	150,000
City Share FY 2012:	0	City Share FY 2012-2016	75,000

Project Description:
Replacement of Tractor

Consistency with the Comprehensive or Strategic Plans or other related planning documents:
Yes, Airport Master Plan

Justification for project implementation/construction and segments, if applicable:
Replace 25 Year Old Tractor and mower deck

Future maintenance costs if known, including contracts and special service requirements:
NA

How were cost estimates obtained:
Engineer Estimate

FUNDING SOURCES

Source	Amount	Agency:	Approval Received?	Yes	No
City Operating Budget					
City Bond Issue	75,000				
Federal/State Funding					
Other Agency/Municipality	75,000	City of Auburn			
Total Project Costs	150,000				

IMPLEMENTATION SCHEDULE (Fiscal Years)

	2012	2013	2014	2015	2016	Future
Total Project Cost					150,000	
Non-City Share					75,000	
City Share	0	0	0	0	75,000	0

Attach on separate page(s)/sheet additional information (if needed)

CITY INDEBTNESS

Authorization of Direct Debt

Bonds and notes, including temporary loans in anticipation of current tax revenues and Federal and State grants or reimbursements, are generally authorized on behalf of the City by a majority vote of the members of the City Council. However, where the amount of any single purpose bond authorized for an individual project exceeds 15% of the property tax levy of the preceding fiscal year, such authorization must be approved by the voters at a regular or special election prior to issuance.

In accordance with 30-A M.R.S.A., Section 5702, as amended, *“No municipality shall incur debt which would cause its total debt outstanding at any time, exclusive of debt incurred for school purposes, for storm or sanitary sewer purposes, for energy facility purposes, or for municipal airport purposes, to exceed 7½% of its last full State valuation. A municipality may incur debt for school purposes to an amount outstanding at any time not exceeding 10% of its last full State valuation, for storm or sanitary sewer purposes to an amount outstanding at any time not exceeding 7½% of its last full State valuation, and for municipal airport, water and special district purposes to an amount outstanding at any time not exceeding 3% of its last full State valuation; provided, however, that in no event shall any municipality incur debt which would cause its total debt outstanding at any time to exceed 15% of its last full State valuation.”*

Lewiston’s debt limit is 15% of \$2,334,250,000 (2011 State Equalized Valuation), or \$350,137,500.

The information contained in this section demonstrates the impact of the proposed Capital Improvement Program on the City’s financial standing and budget. Each project has been examined for the most appropriate financing technique and individual tables illustrate the program’s budgeting requirements through the life of the Capital Improvement Program.

COMPUTATION OF LEGAL DEBT LIMIT

As of December 31, 2010

Estimated Full Valuation	\$2,334,250,000
Maximum Total Debt Limit (15%)*	\$350,137,500

AMOUNT OF DEBT APPLICABLE TO DEBT LIMIT

<u>Purpose</u>		<u>Legal Maximum</u>	<u>Bonded Debt</u>
Municipal	7.5%	\$175,068,750	\$72,345,987
School	10.0%	233,425,000	37,983,835
Water	3.0%	70,027,500	15,581,814
Sewer & Storm Water	7.5%	175,068,750	16,067,132
FY 2011 Authorized and Unissued Debt			12,504,930
TOTAL Bonded Debt			\$154,483,698

—

* Statutory debt limits in accordance with 30-A M.R.S.A., Section 5702, as amended.

FUTURE DEBT SERVICE

FUNDING SOURCE	PRINCIPAL / INTEREST	FY2012	FY2013	FY2014	FY2015	FY2016
City	Principal	6,689,565	6,539,473	6,725,329	6,833,859	6,991,581
	Interest	2,911,534	2,632,415	2,351,902	2,053,948	1,747,466
		9,601,099	9,171,888	9,077,231	8,887,807	8,739,047
ADD: FY2011 Bond Issue - Unissued						
	Principal		450,700	450,700	450,700	450,700
	Interest		158,434	141,758	125,082	108,406
		-	609,134	592,458	575,782	559,106
ADD: FY2012 LCIP - Proposed						
	Principal			323,982	323,982	323,982
	Interest			194,487	180,880	167,273
		-	-	518,469	504,862	491,255
TOTAL CITY	PRINCIPAL	6,689,565	6,990,173	7,500,010	7,608,541	7,766,263
	INTEREST	2,911,534	2,790,849	2,688,147	2,359,911	2,023,145
	TOTAL	9,601,099	9,781,022	10,188,158	9,968,452	9,789,408
School	Principal	2,762,505	2,657,932	2,743,321	2,563,307	2,562,713
	Interest	1,462,022	1,369,091	1,268,294	1,174,340	1,094,816
		4,224,527	4,027,022	4,011,614	3,737,647	3,657,529
ADD: FY2011 Bond Issue - Unissued						
	Principal		193,418	193,418	193,418	193,418
	Interest		48,355	43,519	38,684	33,848
		-	241,773	236,937	232,102	227,266
TOTAL SCHOOL	PRINCIPAL	2,762,505	2,851,350	2,936,739	2,756,725	2,756,131
	INTEREST	1,462,022	1,417,445	1,311,813	1,213,024	1,128,664
	TOTAL	4,224,527	4,268,795	4,248,551	3,969,749	3,884,795
Water	Principal	1,227,350	1,189,959	1,173,090	1,098,341	1,098,073
	Interest	511,528	471,676	433,198	395,957	362,201
		1,738,878	1,661,636	1,606,288	1,494,297	1,460,274
ADD: FY2011 Bond Issue - Unissued						
	Principal		169,438	169,438	169,438	169,438
	Interest		125,384	119,115	112,845	106,576
		-	294,822	288,553	282,283	276,014
ADD: FY2012 LCIP - Proposed						
	Principal			61,150	61,150	61,150
	Interest			51,366	48,798	46,229
		-	-	112,516	109,948	107,379
TOTAL WATER	PRINCIPAL	1,227,350	1,359,397	1,403,678	1,328,929	1,328,661
	INTEREST	511,528	597,060	603,678	557,600	515,007
	TOTAL	1,738,878	1,956,457	2,007,357	1,886,529	1,843,667
Sewer	Principal	571,879	554,363	552,268	542,538	541,356
	Interest	292,039	269,103	249,890	230,294	211,269
		863,918	823,466	802,158	772,831	752,625
ADD: FY2011 Bond Issue - Unissued						
	Principal		90,000	90,000	90,000	90,000
	Interest		66,600	63,270	59,940	56,610
		-	156,600	153,270	149,940	146,610
ADD: FY2012 LCIP - Proposed						
	Principal			101,250	101,250	101,250
	Interest			85,050	80,798	76,545
		-	-	186,300	182,048	177,795

FUTURE DEBT SERVICE

FUNDING SOURCE	PRINCIPAL / INTEREST	FY2012	FY2013	FY2014	FY2015	FY2016
TOTAL SEWER	PRINCIPAL	571,879	644,363	743,518	733,788	732,606
	INTEREST	292,039	335,703	398,210	371,031	344,424
	TOTAL	863,918	980,066	1,141,728	1,104,819	1,077,030
Stormwater	Principal	679,092	656,720	631,202	604,687	604,008
	Interest	319,626	293,020	270,689	248,657	227,273
		998,718	949,740	901,891	853,344	831,281
ADD: FY2011 Bond Issue - Unissued	Principal		55,000	55,000	55,000	55,000
	Interest		40,700	38,665	36,630	34,595
		-	95,700	93,665	91,630	89,595
ADD: FY2012 LCIP - Proposed	Principal	-	-	86,250	86,250	86,250
	Interest	-	-	72,450	68,828	65,205
		-	-	158,700	155,078	151,455
TOTAL STORMWATER	PRINCIPAL	679,092	711,720	772,452	745,937	745,258
	INTEREST	319,626	333,720	381,804	354,115	327,073
	TOTAL	998,718	1,045,440	1,154,256	1,100,051	1,072,331
Other Debt*	Principal	336,480	299,300	295,461	275,524	308,024
	Interest	161,610	147,606	135,446	123,452	112,921
	TOTAL	498,090	446,906	430,907	398,976	420,945
GRAND TOTAL PRINCIPAL/INTEREST		17,925,231	18,478,685	19,170,957	18,428,575	18,088,176

* Includes: Downstreet Loan Pool, TIF Supported Debt and HUD Section 108

CAPITAL IMPROVEMENT PROGRAM

The purpose of this policy paper is to develop an understanding of the importance of capital improvements programming and provide the City with a framework for making best use of scarce financial resources in highly uncertain times.

WHAT IS CAPITAL IMPROVEMENT PROGRAMMING?

It is a multi-year scheduling of public physical improvements based on studies of available fiscal resources and the need for specific improvements to be constructed in the future. Although a long-term program does not necessarily have legal significance and does not necessarily commit the City to a particular expenditure in a particular year, it provides an identifiable framework for informed decision-making.

WHAT IS THE IMPORTANCE OF CAPITAL IMPROVEMENT PROGRAMMING?

Many aspects of the capital improvement program can have profound impacts on the development of the City and the fiscal integrity of the government. Programs expanding or improving public services can influence the timing and location of new development while fostering preferred long-term growth patterns. In addition, the capital improvement program represents the community's approach to implementation of the comprehensive plan.

WHAT IS A CAPITAL IMPROVEMENT?

A common definition of a capital improvement includes new or expanded physical facilities that are relatively large, expensive, and permanent. An extremely important fiscal planning principle underlying this definition is that capital improvements should include only those expenditures for physical facilities with relatively long-term usefulness and permanence. Accordingly, those expenditures are normally financed on a long-term basis or through grants acquired from other governmental agencies.

Capital improvements should not include expenditures for equipment or services that prudent management defines as operating budget items and which ought to be financed out of current revenue resources.

BENEFITS OF A CAPITAL IMPROVEMENT PROGRAM

An effective capital improvement programming process can:

1. ensure that plans for community facilities are carried out.
2. allow improvement proposals to be tested against community's policies and objectives.
3. better schedule public improvements that require more than one year to construct.
4. provide an opportunity, assuming funds are available, to purchase facilities for future municipal use.
5. provide an opportunity for long-range financial planning and management.
6. help stabilize tax rates through intelligent debt management.
7. offer an opportunity for citizens and public interest groups to participate in decision making.
8. contribute to a better management of City affairs.
9. permit a thorough technical evaluation of the justification for each improvement.
10. enhance the orderly growth of the revenue base.
11. provide basis for desired urban growth patterns.

FISCAL POLICIES

Careful fiscal analysis and the adoption of specific fiscal policies must be the foundation of the Capital Improvement Program. Long-range financial studies and forecasts must be made. At a

CAPITAL IMPROVEMENT PROGRAM

minimum such analysis should include the preparation of tables showing the amortization of all outstanding debt. These forecasts focus on the local general economic situation and the extent to which it may affect long-term local government revenues. Anticipated revenues must then be compared with anticipated expenditures for capital improvements, personnel services, and other costs must be projected to determine whether projected revenues and expenditures are in balance or whether surpluses or deficits are forecast.

Fiscal policies should address such issues as:

1. the maximum amount of debt the local government is willing to assume.
2. the type of revenue devices that will or will not be used.
3. the annual amount of debt service that the operating budget can absorb.
4. the specific types of projects or facilities that must be self-sufficient through user fees or other charges.
5. the degree to which the City will seek state or federal grant-in-aid.

Fiscal policies may be related to strategic community objectives such as:

1. expenditures targeted in support of economic development objectives that are most likely to maintain or attract an industrial or commercial base, create new jobs or generate private investments in neighborhood revitalization.

CHOICE-PRIORITIES

The setting of priorities continues to be a vexing problem. Choosing what project will be built is the most crucial step in the Capital Improvement Program process. Projects should be evaluated with regard to their effectiveness in achieving community goals. The evaluation should consider factors such as:

1. extent proposal will encourage capital investment, improve the City's tax base, improve job opportunities, attract consumers to the City, or produce public or private revenues.
2. extent proposal may be cost-effective in terms of capital and probable operating costs.
3. extent proposal cost is justified in terms of number of persons to be benefitted.
4. extent proposal eliminates conditions detrimental to health, safety, and general welfare of the community.
5. extent proposal improves the City-wide distribution of related services.
6. extent proposal meets a community obligation to serve a special need of a segment of the City's population.
7. extent proposal would offer opportunities for improving the quality of life for citizens in terms of personal enrichment and living conditions.
8. extent proposal may improve environmental quality of the City and its neighborhoods.
9. extent proposal appears to be coordinated with other public or private projects or facilities.
10. extent proposal appears to leverage private, state, or federal resources.
11. extent proposal represents the best alternative to achieving a community goal.
12. extent proposal complements the comprehensive plan and desired long-term urban growth patterns.
13. extent proposal realistically addresses operating and maintenance costs of a capital improvement project.

SUMMARY

High interest rates, ever escalating energy-related costs, inflation, and general economic uncertainty will have a major impact on the City's capital improvements programming financed through the issuance of short-term notes and long-term bonds.

CAPITAL IMPROVEMENT PROGRAM

In this period of double digit inflation, it is increasingly important for the City to maintain its excellent rating on outstanding notes and bonds. This will require exemplary management practices and financial administration on the part of City officials.

Current indicators do not reflect significant improvement in economic conditions in the foreseeable future. This will require fiscal constraint on capital improvement expenditures. A strong discipline must be adopted to prevent any negative impact on the City's operating budget and preserve the fiscal integrity which has taken years to achieve.