Mission

To provide comprehensive planning and analysis of the long-range capital needs of Waukesha County. This process contributes to the fiscal review and prioritization of such capital projects as facility development (new construction and improvements), infrastructure maintenance, technology, major equipment and systems installations.

Policy

A capital project is defined as an active or proposed non-recurrent expenditure in one or more specified plan years of an amount usually in excess of $100,000 for a permanent fixed asset (building, land, improvement, or equipment installation) which has a useful life or extends the useful life of an existing fixed asset, usually in excess of seven years.

This budget maintains the emphasis on planning and funding for infrastructure and capital improvements projects, as they are needed rather than reacting to crisis situations. New projects should be requested in the last year of the five-year plan, unless circumstances require a more immediate time frame. County Code 2-410 (c) requires design and implementation for larger projects to be, at a minimum, in separate calendar years. This project methodology further identifies documentation and justification requirements to support the project from the first year included in the plan to project completion. Justification includes costs vs. benefits, return on investment analysis and project need.

A long range goal to managing overall debt service is to use annual cash balances from tax levy and governmental fund balance to fund capital projects at a minimum of 20 percent of net capital expenditures. This "down payment", reduces the need to borrow additional funds and manages debt service growth in relationship to the operating budget.

In this section under "2010 Capital Projects and Operational Impact", is a summary of operational impacts resulting from implementation of the capital improvement program. Also, in this section are individual capital project sheets, which detail operational impacts. Impacts associated with new facility operations are included in planning for future funding needs for County operations (See individual project pages), but are only included in operating department budgets in the year they will be incurred.

Financial Summary

	2008 Budget	2009 Budget		2010 Budget	Change from 2009 $	Change from 2009 %
Expenditures	$20,463,000	$19,399,400		$19,753,400	$354,000	1.8%
Revenues	$1,141,000	$1,225,000		$2,976,900	$1,751,900	143.0%
Proprietary Fund Balance (a)	$892,000	$992,000		$1,984,000	$992,000	100.0%
Net Expenditures	$18,430,000	$17,182,400		$14,792,500	($2,389,900)	-13.9%
Other Financing Sources:						
Investment Earnings	$550,000	$450,000		$450,000	$0	0.0%
Debt Issue Proceeds	$12,000,000	$10,000,000	(b)	$10,000,000	$0	0.0%
Cash Balances						
Governmental Fund Balance (c)	$2,730,000	$3,685,000		$1,912,500	($1,772,500)	-48.1%
Tax Levy	$3,150,000	$3,047,400		$2,430,000	($617,400)	-20.3%
Total Cash Balances	$5,880,000	$6,732,400		$4,342,500	($2,389,900)	-35.5%
Est. Use of Cash Balances as % Of Net Expenditures	31.9%	39.2%		29.4%		

a) Fund Balance appropriations in 2010 include proprietary Fund Balance of $1,734,000 from internal service fund operations and $250,000 from enterprise fund operations.
b) The 2009 Budget was modified to reduce borrowing and capital project expenditures by $2 million resulting in a 2009 issue of $8 million.
c) Land Information System (LIS) fund balance of $400,000 is budgeted for Orthophotography. Capital project Fund Balance of $1,512,500 is also budgeted.

	2008 Budget	2009 Budget	2010 Budget	09-10 Change
EXPENDITURES				
Justice and Public Safety	$94,000	$3,809,000	$3,809,000	$0
Health and Human Services	$1,030,000	$830,000	$250,000	($580,000)
Parks, Env, Edu & Land Use	$1,255,000	$1,114,000	$2,399,000	$1,285,000
Public Works *	$17,434,000	$12,513,400	$12,060,900	($452,500)
General Administration	$245,000	$0	$0	$0
County Wide Technology Projects	$275,000	$1,003,000	$1,124,500	$121,500
Est. Financing Costs	$130,000	$130,000	$110,000	($20,000)
Total Gross Capital Expenditures	$20,463,000	$19,399,400	$19,753,400	$354,000

* Note an additional $32.1 million of Federal funds will also be used for a number of highway projects. This funding is managed by the State and is not in the County budget.

REVENUES				
County Highway Improvement Program (CHIP)	$0	$500,000	$0	($500,000)
CHIP-Discretionary	$0	$0	$600,000	$600,000
State ADRC Grant Funding	$95,000	$0	$0	$0
State Shared Revenue	$250,000	$225,000	$200,000	($25,000)
State Computer Equipment Exemption	$578,000	$500,000	$600,000	$100,000
Renewable Energy Incentive Revenue	$0	$0	$85,000	$85,000
Energy Grant	$0	$0	$1,491,900	$1,491,900
Local Reimbursement	$218,000	$0	$0	$0
Subtotal Revenues	$1,141,000	$1,225,000	$2,976,900	$1,751,900
FUND BALANCE APPROPRIATIONS:				
Long Term Care Fund	$355,000	$0	$0	$0
Telecommunications Fund	$75,000	$350,000	$0	($350,000)
End User Technology Fund	$0	$480,000	$800,000	$320,000
Collections Fund	$220,000	$0	$0	$0
Airport Fund	$232,000	$122,000	$250,000	$128,000
Radio Services Fund	$10,000	$40,000	$934,000	$894,000
Land Information Systems Fund	$0	$0	$400,000	$400,000
General Fund	$650,000	$2,760,000	$0	($2,760,000)
Capital Project Fund	$2,080,000	$925,000	$1,512,500	$587,500
Subtotal Fund Balance Uses	$3,622,000	$4,677,000	$3,896,500	($780,500)
Investment Earnings	$550,000	$450,000	$450,000	$0
Debt Proceeds	$12,000,000	$10,000,000	$10,000,000	$0
Tax Levy	$3,150,000	$3,047,400	$2,430,000	($617,400)

Page #	PROJECT TITLE	NO.	Project Cost	Fund Balance & Revenue Applied		Net $'s Needed
	PUBLIC WORKS - BUILDINGS					
476	NORTHVIEW UPGRADES	200708	$160,000			$160,000
478	COURTS PROJECT SECURED CORRIDOR	200326	$1,685,000			$1,685,000
479	JUVENILE CENTER BOILER/CONTROLS	200706	$20,000			$20,000
480	HIGHWAY WATER LINE LOOP	200913	$230,000			$230,000
481	HEALTH & HUMAN SERVICES BLDG	200615	$250,000			$250,000
482	DA OFFICE SPACE RENOVATION	201001	$580,000			$580,000
483	ENERGY EFFICIENCY AND CONSERVATION	200918	$1,491,900	$1,491,900	(a)	$0
	EMERGENCY PREPAREDNESS					
485	RADIO SERVICES BLDG EXPAND/RENOVATION	200617	$934,000	$934,000	(b)	$0
	PUBLIC WORKS - HIGHWAYS					
486	CTH SR, FOX RIVER BRIDGE & APPR	200420	$30,000			$30,000
487	CTH E, OCONOMOWOC RIVER BRIDGE	200008	$214,000			$214,000
488	CTH L, CTH Y to Moorland Road	200011	$3,600,000			$3,600,000
489	CTH CW, ASHIPPUN RIVER BRIDGE	200810	$75,000			$75,000
490	CTH D, CALHOUN -INTERSECTION	200511	$100,000			$100,000
491	CTH VV, CTH Y to MARCY RD	200608	$250,000			$250,000
492	WAUKESHA WEST BY PASS	200917	$1,750,000			$1,750,000
494	CULVERT REPLACEMENT PROGRAM	9817	$100,000			$100,000
495	SIGNAL/SAFETY IMPROVEMENTS	200427	$1,100,000			$1,100,000
496	REPAVING PROGRAM 2007-2012	200509	$2,850,000	$600,000	(c)	$2,250,000
	AIRPORT					
497	AIRPORT SNOW REMOVAL EQUIP BUILDING	200703	$250,000	$250,000	(d)	$0

(a) Energy Efficiency & Conservation Federal ARRA (Stimulus) Block Grant funding
(b) Radio Services Fund Balance
(c) County Highway Improvement Program (CHIP) revenue
(d) Airport Fund Balance

Page #	PROJECT TITLE	NO.	Project Cost	Fund Balance & Revenue Applied		Net $'s Needed
	PARKS AND LAND USE					
498	ORTHOPHOTOGRAPHY	200614	$650,000	$650,000	(e)	$0
499	PAVEMENT MANAGEMENT PLAN	200824	$460,000			$460,000
500	RETZER NATURE CENTER MAINTENANCE BLDG.	200609	$809,000	$85,000		$724,000
502	RESTROOM RENOVATION	200505	$480,000			$480,000
	INFORMATION TECHNOLOGY-COURTS					
503	UPDATE & INTEGRATE CRTM TECHNOLOGY	200915	$450,000			$450,000
	COUNTY-WIDE PROJECTS					
505	IT INFRASTRUCTURE UPGRADE WIRING CLOSETS	200820	$100,000	$100,000	(f)	$0
506	E-DOCUMENT MANAGEMENT & ARCHIVAL	200910	$700,000	$700,000	(g)	$0
508	TIME AND ATTENDANCE SYSTEM	200912	$268,000			$268,000
509	REG OF DEEDS TRACK INDEX	200622	$56,500			$56,500
	FINANCING (Includes Arb Rebate/Discount)	999999	$110,000			$110,000
	TOTAL EXPENDITURES/Fund Balance Applied/Net $ Needed		$19,753,400	$4,810,900		$14,942,500

ADDITIONAL REVENUES & FUND BALANCE-GENERALLY APPLIED		
STATE COMPUTER EQUIPMENT EXEMPTION	$600,000	
STATE SHARED REVENUE	$200,000	
CAPITAL PROJECT FUND BALANCE	$1,262,500	
DEBT ISSUE PROCEEDS	$10,000,000	
INVESTMENT INCOME EARNED ON DEBT ISSUE	$450,000	
TOTAL OTHER FUNDING SOURCES		$ 12,512,500
TAX LEVY		$2,430,000

(e) Capital Project Fund Balance ($250,000); Land Information Fund Balance from Retained Fees ($400,000)
(f) End User Technology Fund Balance
(g) End User Technology Fund Balance

GENERAL SUMMARY

The 2010 capital project expenditures increase $354,000 from the 2009 Adopted Budget to $19.7 million. Changes are identified by functional area below.

Justice and Public Safety

Projects in this functional area total $3.8 million, with no change from the prior year. The budget includes construction funds of $984,000 to harden and expand the Radio Service Building for future needs and construction funds of $1,685,000 to a secured corridor to separate inmates from the public in courthouse. A third construction project for $580,000 will renovate and upgrade District Attorney office space. Planning begins for program and building improvements at Northview. First year funding of $450,000 will begin the upgrade and integration of courtroom technology.

Health and Human Services

The Human Services area includes $250,000 for a budget and concept study for a planned new building. It will replace the current 1911 building and the current Public Health Center. The project is planned to begin construction in 2013 with total project funding of $36.7 million.

Parks, Environment, Education and Land Use

Projects in this functional area total almost $2.4 million, an increase of almost $1.3 million. This area includes construction and landscaping for a maintenance building at Retzer Nature Center for $ 809,000 and the first year funding at $480,000 of a multi-year rest room renovation projects at reserved picnic sites throughout County parks. The Parks pavement management plan is at a $460,000 funding level. The County's digital topographic maps will be updated in conjunction with Southeastern Wisconsin Regional Planning Commission's planned update at an estimated cost of $650,000.

Public Works

Project expenditures in the Public Works functional area total $12.1 million, a reduction of $452,000 from the 2009 Adopted Budget. Projects include areas of buildings, highways and the airport.

Buildings

Facility project improvements include funding for a water line project at the highway shop grounds for $230,000 and design funds of $20,000 for new boiler and controls at the Juvenile Center. A Federal Energy Efficiency and Conservation Block Grant of $1.5 million will be used to implement energy saving interior and exterior lighting upgrades at various County facilities.

Highways

The 2010 capital budget for roadways continues priorities established in five categories and includes projects in all categories to provide a balanced plan. Projects and funding priorities are identified below.

Bridges/Culverts	The existing culvert replacement program continues with an annual appropriation of $100,000. Bridge construction funding totals $319,000 for three bridge projects. Two are to be constructed in 2010 and one is in design. Federal Bridge aid is identified at $1.3 million.
Spot Improvements	This area includes costs of $1,100,000 to address intersection improvements including traffic signals and turn lanes at the top three rated locations over two years (2009-10). This work will also include Federal Stimulus funding of $1,250,000 which is administered and managed by the state DOT and not in the County's budget. Ratings are based on safety and traffic congestion.
Repaving	A funding level of $2.85 million is proposed for annual road repaving. An additional $2.1 million of Federal Stimulus funding will also be used to complete paving project work to be managed by the State DOT.

Expanded Capacity Priority Corridors

Four projects address major through routes in the County including; CTH V V (Silver Spring Drive in the Village of Menomonee Falls; CTH D (Cleveland Avenue in the City of New Berlin); CTH L (Janesville Road in the City of Muskego); and the Waukesha Bypass for total 2010 funding of $5.7 million. Land acquisition funds of $3.6 million are included for CTH L (Janesville Road). Design costs are identified to begin the above mentioned three projects.

Airport

The County funding share (20%) is $250,000 to construct an Airport maintenance & snow removal equipment building. The State funding share (80%) is identified for almost $1.2 million.

County Wide Technology Investments

Project funding of $100,00 will complete the upgrade to wiring closets to support network needs for the future including the transition to Voice Over Internet Protocol (VOIP) for the telephone system. Updating public access software will complete the new Tract Index System which will require an additional $56,000. An upgrade to the time and attendance system for $268,000 is also planned to be addressed. First year funding of $700,000 will allow more effective management of electronic documents.

Revenues

Revenues and Fund Balance appropriations for project funding provides a net increase of $971,400 to $6.9 million from the 2009 Adopted Budget.

Project specific revenue increases include an ARAA (Federal Stimulus) Energy grant of $1,491,900 and $85,000 for renewable energy incentive grant.

Revenues also include $600,000 for the County Highway Improvement-Discretionary program budgeted every other year. Revenues also include State payments for personal property tax exemption for technology equipment of $600,000 and State shared revenue payment estimated at $200,000.

Use of Proprietary Fund Balances for specific projects in 2010 include $800,000 of End User Technology Fund Balance; $934,000 of Radio Services Fund Balance; $400,000 of Land Information Systems Fund Balance and $250,000 of Airport Fund Balance. Use of Fund Balances totals $3,896,500, a decrease of $780,500 in the 2010 capital budget from the 2009 Adopted Budget. This includes appropriating $1,512,500 from Capital project Fund Balance.

Borrowed funds are budgeted at $10.0 million, the same as the prior year, however the 2009 budgeted $10 million issue was reduced to $ 8 million due to a one-time reduction in project expenditures from a favorable bid.
Investment income is budgeted at $450,000. Property tax levy funding decreases $617,400 to $2,430,000. Tax levy and the use of $1,912,500 of governmental fund cash balance maintains the County' "down payment" at 29 % of net capital expenditures.

OPERATING IMPACTS BY FUNCTIONAL AREA

Justice and Public Safety

The completion of the secured corridor for segregated prisoner transport to courtrooms in 2010 results in the creation of 1.50 FTE correctional officers anticipated in October 2010 for approximately $19,900 for the three months in 2010 and $104,000 in the 2011 Budget. The building upgrades included in the Radio Service building project are expected to generate future utility cost savings. Renovation in the District Attorney Courthouse space will also involve an investment in energy efficient lighting. The court room technology project is expected to improve business activities conducted in the courtroom with no additional operating costs. Energy efficiencies and reduced repairs are also associated with newer equipment. Building and program efficiencies will be a consideration in the design of future renovations at the Northview facility to allow the continued use of the facility for an additional 10 to 20 years and to defer construction of a new facility.

Health and Human Services

Design funding in 2010 is provided to begin planning for the replacement of space for Health and Human Services. The project expects to identify building operational savings which are currently budgeted at $1.1 million. The project includes a $2.1 million allocation for sustainable energy efficiency design features.

Park, Environment, Education and Land Use

The Retzer Nature Center Maintenance Building will include renewable energy systems and sustainable storm water management including pervious concrete pavement. Geothermal heating and solar thermal water heating can eliminate the need for natural gas at the Maintenance Building, reducing energy needs to electricity only. Simple system payback for geothermal may be achieved within 5-10 years, depending on usage and escalation of gas prices. Maintenance costs for park restroom renovation will increase because of more mechanical features and plumbing with the new restrooms, however this will be somewhat offset by revenue increases expected from higher use of the park reserved picnic sites. This project begins with renovation at Muskego Park in 2010. The bikeway pavement improvement project will reduce the annual maintenance costs of patching and grooming crushed stone surfaces, however future maintenance will include crack filling, striping, patching, and eventual overlay of the pavement. Annual maintenance costs per mile are estimated at $5,125, of which $1,000 is for asphalt maintenance.

Public Works

Completing a water main loop at the Highway Operations Center and Northview Grounds will improve water quality, reliability, fire flows and down time when connections and/or repairs need to be made. Design work begins for replacement of boilers and controls at the Juvenile Center which are anticipated to save energy costs currently budgeted at $95,000. A energy conservation project funded with Energy Efficiency and Conservation Block Grant funds will address lighting fixtures at various facilities, new dehumidification systems at the Ice Arenas, LED highway luminaries and spectrum radio technology to interconnect traffic signals and a geo-exchange heat pump system at Retzer Nature Center. These projects have identified paybacks of less than six years using utility cost savings estimates.

Highways

Annual operating costs for an additional lane miles are estimated at $6,853 each. Since 1998, the County has used a highway pavement management program to achieve an average Pavement Condition Index (PCI) rating of 70 with less than 10% of roads under a PCI of 40. Since 1998, the overall average PCI rating of all County Trunk highways has improved from 60.6 in 1998 to a current 71 for 2008. The County follows Wisconsin Department of Transportation guidelines for bridge replacement. A structure replacement is warranted when the sufficiency number drops below 50 and structure rehabilitation is warranted when the sufficiency number drops below 80. The Highway Engineering division continues to work to maintain an average sufficiency index ratings of 80 or higher for all county bridges.

County Wide Technology Projects

A project to upgrade wiring closets to support the County network infrastructure will address increases in electrical power needs, power battery backups, additional cooling and possible closet relocations. The upgrades will prepare the County for a transition to Voice Over Internet Protocol and eliminate a separate voice network and allow for more nonproprietary phone options and better integration with more choices for cost effective third-party applications. A time and attendance reporting upgrades will improve operational functionality and efficiencies in multiple departments. Annual maintenance fees are expected to be similar to the current system. The Electronic Document Management and Archival project is expected to reduce costs associated with system recovery, record storage, and the management of email and archival and retrieval functions, resulting in a positive return on investment with a breakeven point of 2.5 years. Savings include risk reduction, reduction in storage and staff time associated with e-Discovery and record retrieval.

Project #	200708	**Project Title**:	Northview Upgrades
Department:	DPW—Buildings	**Sponsor:**	Public Works
Phase:	Design	**Manager:**	Allison Bussler, Interim Director
Budget Action:	As Planned	**Date:**	September 28, 2009

CAPITAL BUDGET SUMMARY

Year	2009	2010	2011	Total
Project Phase	Budget & Concept	Design & Construction	Construction	Project
Expenditure Budget	$40,000	$160,000	$2,160,000	$2,360,000
Revenue Budget	$0	$0	$0	$0
Net County Cost	$40,000	$160,000	$2,160,000	$2,360,000

COST DOCUMENTATION		**REVENUE**	
Architect	$200,000		
Construction	$2,000,000		
Contingency	$160,000		
Total Project Cost	$2,360,000	Total Revenue	$0
EXPENDITURE BUDGET	$2,360,000	**REVENUE BUDGET**	$0

Project Scope & Description

The existing Northview facility at 1400 Northview road was constructed in 1935. The building was vacated in 1988 and reoccupied by the Huber division in 1993 as a temporary Huber facility. A study on the Huber Facility was conducted in 2001 and a final report issued in December of 2001. The report identified many operational and technical limitations with the existing facility. The Huber correctional staff are doing their best to utilize the facility in its present condition but the known deficiencies may impact its continued use as a Huber facility.

If Waukesha County is going to continue to use this facility to house the Huber program the County should correct the deficiencies that impact the continued use of the facility and ensure a safe and efficient operation.

This project was first introduced in 2007. In 2009 a feasibility study was conducted. Although not 100% complete at the time of this writing the costs to build new or renovate the existing Northview building for long-term Huber occupancy is in the range of $12 to $16 million in 2009 dollars. A new facility would provide a more efficient Huber operation at the same or lower cost.

With the construction of two significant capital projects, the new Health & Human Services building (2010 through 2013) and either renovation or new construction of the courthouse (2016 through 2020), funding for long-term Huber Facility upgrades would not be available for another 10 to 12 years.

The short-term solution is to only complete the modifications and repairs required to continue to operate the Huber Metro Drug and Records program in the Northview facility. Minimal modifications and upgrades include programmatic improvements such as two group holding cells, security camera system upgrades, video visitation and some architectural modifications to the ground floor to improve/enhance sight lines. Minimal infrastructure modifications and upgrades include ACM (asbestos) removal, HVAC system equipment replacement and repairs, plumbing valve replacements and system repairs, roofing repairs and other infrastructure improvements.

The long-term solution should be driven by an evaluation of the Huber program. What is the future of the Huber program? What can the county do to reduce the Huber population and related costs? If the program will continue to exist how many beds will be needed? These questions need to be answered before any meaningful planning for a new or renovated Huber facility can take place.

Location

1400 Northview Road, Waukesha WI

Project #	200708	**Project Title**:	Northview Upgrades
Department:	DPW—Buildings	**Sponsor:**	Public Works
Phase:	Design	**Manager:**	Allison Bussler, Interim Director
Budget Action:	As Planned	**Date:**	September 28, 2009

Analysis of Need

We realize that all of the deficiencies listed below cannot be addressed within this project. Our consultant is preparing cost estimates for each of the deficiencies and we will prioritize the needs within the Budget to enhance the operations for the next 10 to 12 years.

The existing mechanical systems are over forty years old. The typical useful life for mechanical systems is approximately 25 years. Infrastructure systems that are in need of repair include the building envelope tuck pointing and a portion of the roof. The heating, ventilating and air conditioning system is inefficient and results in a wide range of temperature extremes and poor ventilation. In addition, the electrical system, plumbing and fire protection systems, as well as the safety and security system, are in need of replacement.

The existing architectural layout of the facility creates numerous operational problems for the Huber corrections staff. Examples include the following; the lack of tamper resistant or security grade covers on all systems, poor sight lines, blind spots, and isolated areas that result in inadequate supervision of inmates. The female housing zone has only three dormitories, more classification and separation options are needed. There are too many non-control activities concentrated in the control room that compromise the operation of the control room. The main lobby for the facility serves the professional and general public, leaving/returning inmates and new inmate admits (male/female in all categories). Really, these functions should not be commingled. The booking area is in a poor location and is too small for all of the activities required. The male and female locker rooms are laid out poorly, making adequate monitoring and supervision difficult. There are no conference rooms for visits by attorney, clergy and law enforcement officers. There are other operational shortcomings with this facility.

Alternatives

Construct a new Huber facility or renovate the existing one. Reduce the Huber population or eliminate the Huber program.

Ongoing Operating Costs

Current utility consumption is budgeted at $200,000. Maintenance for the building is budgeted at $200,000.

Previous Action

New boilers and a heating conversion from steam to water was completed in 2004. Approved as a new project in the 2007-2011 Plan. Approved as planned in the 2008-2012 Plan. Approved as planned in the 2009-2013 Plan. Approved as planned in the 2010-2014 Plan.

Project #	200326	**Project Title**:	Courts Project Secured Corridor
Department:	Public Works--Buildings	**Sponsor:**	Courts/Sheriff
Phase:	Construction	**Manager:**	Allison Bussler, Interim Director
Budget Action:	As Planned	**Date:**	September 28, 2009, 8:35 AM

CAPITAL BUDGET SUMMARY

Year	2007	2009	2010	Total
Project Phase	Study	Budget & Concept Design	Construction	Project
Expenditure Budget	$200,000	$115,000	$1,685,000	$2,000,000
Revenue Budget	$0	$0	$0	$0
Net County Cost	$200,000	$115,000	$1,685,000	$2,000,000

COST DOCUMENTATION		**Revenue**	
Study	$200,000		
Architect	$115,000		
Construction	$1,565,000		
Contingency	$70,000		
Security Equipment - IT	$25,000		
Furniture	$25,000		
Total Project Cost	$2,000,000	Total Revenue	$0
EXPENDITURE BUDGET	$2,000,000	**REVENUE BUDGET**	$0

Location

A new secure horizontal corridor will be constructed to connect the First Level of the 1991 Justice Center to the First Floor of the Courthouse. The corridor will be located approximately 20' to the west of the existing Courthouse west elevation.

In addition, a four story security tower will be constructed to dock the security corridor. The security tower will contain holding cells, bathrooms, stair tower and elevator and will also provide the transition space from the security corridor to individual court rooms located at the first, second and third levels of the Courthouse.

Analysis of Need

The secure connector will separate public and inmate circulation ensuring public safety. This issue was identified in the Prisoner Movement Study and has been discussed extensively by the Criminal Justice Collaborating Council.

Alternatives

1. Continue to operate the courts facilities by transporting persons in custody through public hallways.
2. Remodeling option as described above.

Ongoing Operating Costs

Operating costs are estimated to be $138,000 per year including 1.5 Sheriff staff and annual maintenance and utility costs of $30,000 when operational (2010 or 2011). No additional courts positions are anticipated at this time.

Previous Action

Approved as a new project in the 2001-2005 Capital Plan. The Consultant's Phase I and Phase II Schematic Design Report was presented to the Board on April 16, 2002. The balance of design funds was approved May 28, 2002. Approved with cost updates in 2003-2007 plan, As planned in 2004-2008, change in scope and cost update in 2005-2009, and delayed in 2006-2010 by veto. Remodeling option added in 2006. A study of prisoner movement and court utilization was completed in 2007. Change in scope and cost update in 2009-2013 Plan.

Project #	200706	**Project Title**:	Juv Center Boilers & Controls
Department:	DPW -- Buildings	**Sponsor:**	Public Works
Phase:	Design	**Manager:**	Allison Bussler, Interim Director
Budget Action:	As Planned	**Date:**	September 28, 2009

CAPITAL BUDGET SUMMARY

Year	2010	2011	Total
Project Phase	Design	Construction	Project
Expenditure Budget	$20,000	$200,000	$220,000
Revenue Budget	$0	$0	$0
Net County Cost	$20,000	$200,000	$220,000

COST DOCUMENTATION		REVENUE	
Architect	$20,000		
Construction	$190,000		
Contingency	$10,000		
Total Project Cost	$220,000	Total Revenue	$0
EXPENDITURE BUDGET	$220,000	**REVENUE BUDGET**	$0

Project Scope & Description
This project is to replace the two existing 1440 MBh Kewanee hot water boilers in the Juvenile Center that are near the end of their useful lives. Due to the poor energy performance of this facility and recent experience with the Highway and Court House boiler projects, the scope has been expanded to include new controls and distribution equipment.

Location
Juvenile Center, 521 Riverview Road Waukesha, WI 53188

Analysis of Need
These boilers are original to the construction of the first part of the building in 1983 (25 years old). The tubes, housing and power burners are in poor condition. In general the units have exceeded their useful life and need to be replaced.

Alternatives
None

Ongoing Operating Costs
Replacement of the boilers will result in some energy savings. Utility expenditures are budgeted at almost $95,000 in 2009 including $48,000 for natural gas.

Previous Action
Approved as a new project in 2007-2011 Plan. Approved as planned in the 2008-2012 Plan. Change in scope and cost update in 2009-2013 Plan.

Project #	200913	**Project Title**:	Highway Water Line Loop
Department:	DPW-- Buildings	**Sponsor:**	Public Works
Phase:	Construction	**Manager:**	Allison Bussler, Interim Director
Budget Action:	As Planned	**Date:**	September 28, 2009

CAPITAL BUDGET SUMMARY

Year	2009	2010	Total
Project Phase	Design	Construction	Project
Expenditure Budget	$30,000	$230,000	$260,000
Revenue Budget	$0	$0	$0
Net County Cost	$30,000	$230,000	$260,000

COST DOCUMENTATION		**REVENUE**	
Engineer	$25,000		
Profile Cut Survey	$5,000		
Construction	$178,500		
Water Utility Deposit	$26,000		
Water Utility Inspecton	$7,500		
Site restoration	$8,000		
Contingency	$10,000		
Total Project Cost	$260,000	Total Revenue	$0
EXPENDITURE BUDGET	$260,000	**REVENUE BUDGET**	$0

Project Scope & Description
The Waukesha Water Utility(WWU) has requested that two existing dead end water mains at the Highway Operations Center and one dead end main at Northview be connect into a looped system.

Location
Woodburn Road, Waukesha, Highway Operations Center/Communication Center and Northview grounds

Analysis of Need
Per the Waukesha Water Utility, the DNR code requires WWU to loop water mains whenever possible. Presently there are two dead end mains located at the south and west side of the Highway Ops Center and another dead end main found at the northwest corner of the Northview Complex which should be looped together for better fire protection. Completing this loop will improve water quality, reliability, fire flows and down time when connections and/or repairs need to be made.

Alternatives
1. Continue to supply the entire area with three dead end fire lines.

Ongoing Operating Costs
1. One year after installation the water line loops will be maintained by Waukesha Water Utility.

Previous Action
Approved as new project in 2008 Plan. New in 2009-2013 Plan. Approved as planned in the 2010-2014 Plan.

Project #	200615	**Project Title**:	HHS Office Building
Department:	Public Works--Buildings	**Sponsor:**	Health & Human Services
Phase:	Budget and Concept	**Manager:**	Allison Bussler, Interim Director
Budget Action:	$ Update; Accelerate; Scope	**Date:**	September 28, 2009

CAPITAL BUDGET SUMMARY

Year	2010	2011	2012	2013	2014	TBD	Total
Project Phase	Budget & Concept	Design	Construct	Construct	Construct	Demolition	Project
Expenditure Budget	$250,000	$1,669,000	$13,961,000	$18,800,000	$2,000,000	$0	$36,680,000
Revenue Budget	$0	$0	$0	$0	$0	$0	$0
Net County Cost	$250,000	$1,669,000	$13,961,000	$18,800,000	$2,000,000	$0	$36,680,000

COST DOCUMENTATION		REVENUE	
Design	$2,355,000		
Construction	$28,210,000		
Contingency	$1,195,000		
Misc/Permits/Fees	$82,000		
Furniture Equipment	$2,340,000		
Technology	$2,498,000		
-			
Total Project Cost	$36,680,000	Total Revenue	$0
EXPENDITURE BUDGET	$36,680,000	**REVENUE BUDGET**	$0

Project Scope & Description

The work involves the design and construction of a new building to house the Department of Health and Human Services, Veterans Services and the Aging and Disability Resource Center (ADRC). The new building would replace the present Health and Human Services Center and the Public Health Center. The building is estimated to replace 97,000 square feet of Health and Human Services space including Veteran's Services, 14,255 square feet of Public Health Center space and 5,000 square feet of ADRC space. In addition, the feasibility of relocating the 9,200 square feet of records storage from Northview to the new HHS building location is also under consideration and will be evaluated. A building program has been prepared by County staff. The identified space needs currently total approximately 139,000 square feet. The County expects to invest $2.1 million in sustainable design features which will be determined during the budget & concept phase. The budget estimate also includes technology infrastructure such as voice/data systems. Since the County is also considering utilizing the vacant HHS Building as temporary relocation space for the Courts staff during the Courthouse project, the demolition/preservation costs have been removed from this project, but will be reintroduced as a separate capital project in the future.

Location

Several sites are under consideration on the grounds of the existing Health and Human Services Center.

Analysis of Need

The Health and Human Services Center was rehabbed in 1996 at a cost of $1,275,000. That work was anticipated to extend the life of the building 10 – 15 years. That time horizon has been reached. The building, constructed in 1911, has served the county's needs for many years. However, it was never meant to be an office building. For example, twenty-three air-handling units serve the HHS building. Replacing these units and providing the necessary duct-work is estimated to cost several million dollars. But just replacing these units will do nothing to improve the energy efficiency and comfort levels in the building.

Similarly, the Public Health Center has undergone numerous renovations over its life. It was never designed for the use currently required of it. For example, the front door is in the back of the building. Lastly, the building has historically been an obstacle to the adjacent golf course.

Finally, it makes organizational sense to include the ADRC and Veterans Administration in the new HHS building, since both populations would be better served.

Alternatives

- Build a smaller building to just replace the Health and Human Services building.
- Perform extensive remodeling and renovations to both buildings.
- Continue to operate all programs and services as their present location utilizing existing facilities.

Ongoing Operating Costs

The project is expected to reduce energy costs given the opportunity to increase operational efficiency that state of the art equipment provides. Operating costs for other activities like housekeeping and maintenance will rise in direct proportion to the new versus existing square footages. Operating costs for the current building are $1.1 million.

Previous Action

Approved as new project in 2006-2010 Plan. Approved as planned in 2007-2011 Plan. Cost update in 2009-2013 Plan.

Project #	201001	**Project Title**:	DA Office Space Renovation
Department:	DPW - Buildings	**Sponsor:**	Public Works
Phase:	One year project	**Manager:**	Allison Bussler, Interim Director
Budget Action	New	**Date:**	September 28, 2009

CAPITAL BUDGET SUMMARY			
Year	2010		Total
Project Phase	Design & Construction		Project
Expenditure Budget	$580,000		$580,000
Revenue Budget	$0		$0
Net County Cost	$580,000		$580,000
COST DOCUMENTATION		**REVENUE**	
Architect	$20,000		
Construction	$450,000		
Modular Furniture	$80,000		
Contingency	$30,000		
Total Project Cost	$580,000	Total Revenue	$0
EXPENDITURE BUDGET	$580,000	**REVENUE BUDGET**	$0

Project Scope & Description

DA Office Renovation and upgrades including asbestos floor tile removal, carpet removal and replacement, HVAC Variable Air Volume (VAV) box and distribution system replacement, ceiling tile replacement, painting and the installation of energy efficient lighting. Workstation furniture will also be replaced.

Location

Waukesha County Courthouse 515 W. Moreland Blvd.

Analysis of Need

The Waukesha County DPW - Facility Management Division manages a condition analysis system to ensure the planned and orderly maintenance of its facilities. The District Attorneys offices have been on the schedule for paint and carpet replacement since 2005. Each year this work was deferred so it could be coordinated with the installation of new HVAC infrastructure in the Courthouse. Carpeting is well over 10 years old, the HVAC system is not capable of meeting distribution requirements and the old splined ceiling needs to be removed and replaced. The new HVAC design will meet the future distribution requirements of the existing space if HVAC upgrades are initiated in future projects. The 50-year-old lighting needs to be upgraded with new energy efficient lighting. There will be an opportunity to obtain some Focus On Energy Rebates on this project.

In 2009, the County Board adopted a capital plan that deferred capital improvements in infrastructure improvements other than those needed to support existing operations until a long-term plan for the future of the Courthouse was adopted. Current estimates of when these plans would be implemented are beyond 2015, therefore proposed renovations are projected to provide utility for 5 to 10 years.

Alternatives

Do nothing.

Ongoing Operating Costs

Some operating costs will be reduced due to energy efficient lighting.

Previous Action

New in 2010-2014 plan.

Project #	200918	**Project Title**:	Energy Efficiency and Conservation Block Grant Implementation
Department:	Parks and Land Use / Public Works	**Sponsor:**	Mark Keckeisen Duane Grimm
Phase:	Construction	**Manager:**	Dale Shaver, Parks and Land Use Director Allison Bussler, Interim Public Works Director
Date:	September 28, 2009		

CAPITAL BUDGET SUMMARY

Year	2009	2010	2011	Total
Project Phase	In House Design	Construction	Construction	Project
Expenditure Budget	$0	$1,491,900	$160,000	$1,651,900
Revenue Budget	$0	$1,491,900	$160,000	$1,651,900
Net County Cost	$0	$0	$0	$0

COST DOCUMENTATION		**REVENUE**	
Design	$0	Energy Efficiency & Conservation	
Construction	$1,651,900	Block Grant (EECBG)	$1,651,900
Contingency	$0		
Total Project Cost	$1,651,900	Total Revenue	$1,651,900
EXPENDITURE BUDGET	$1,651,900	**REVENUE BUDGET**	$1,651,900

Project Scope & Description

The American Recovery and Reinvestment Act of 2009, Public Law 111-5, appropriates funding for the Department of Energy (DOE) to issue/award formula-based grants to states, U.S. territories, units of local government, and Indian tribes under the Energy Efficiency and Conservation Block Grant (EECBG) Program. Funding was provided to cities with populations of at least 35,000 or that are one of the top ten highest populated cities and counties with a population of over 200,000 or counties of any size population that are one of the ten highest-populated cities or counties of the State in which they are located.

The Departments of Parks and Land Use, Public Works and Administration cooperatively submitted a series of projects under the EECBG to assist in implementing the Waukesha County Sustainability Plan completed in March 2008 and consistent with the Waukesha County Sustainability Policy adopted through Resolution 163-R-006 by the County Board on December 16, 2008.

Projects under this capital project include replacing interior and exterior lighting fixtures at designated facilities; incorporating a geo-exchange heat pump system to offset conventional heating and air conditioning at the Retzer Nature Center and Planetarium; installation of a dehumidification system that utilizes "waste" heat from the chiller refrigeration system to dehumidify the Nagawaukee Ice Arena in lieu of a natural gas desiccant dehumidifier; upgrade/replace HVAC equipment and controls, and replacement of desiccant system, potential use of waste heat for interior heat or dehumidification at the Eble Ice Arena; replace County Highway's luminaries to LED's associated with signalized intersections; and installing spread spectrum radio technology to interconnect traffic signals to reduce vehicle delay, thereby reducing emissions and fuel use.

Location

Project #	200918	**Project Title**:	Energy Efficiency and Conservation Block Grant Implementation
Department:	Parks and Land Use / Public Works	**Sponsor:**	Mark Keckeisen Duane Grimm
Phase:	Construction	**Manager:**	Dale Shaver, Parks and Land Use Director Allison Bussler, Interim Public Works Director
Date:	September 28, 2009		

Administration Center; Courthouse; Highway Operations Center; Communications Center; Juvenile Center; Law Enforcement Center; Public Health Building; Retzer Nature Center; Eble and Nagawaukee Ice Arenas.

Analysis of Need

With improvements in lighting and mechanical equipment technology and the increasing cost of energy and water, it is in Waukesha County's best interest to continually evaluate opportunities to conserve and reduce utility cost and water usage as well as implement those projects that have reasonable return on investment.

The projects submitted under the EECBG and therefore included in this capital project were chosen because of the short return on investment (6 years and under); use alternative energy systems (waste heat capture and geo-thermal); and demonstrate a broad implementation of the Waukesha County Sustainability Plan (traffic signal interconnection).

Project	Design / Construction Year	Estimated Cost	Estimated ROI * Years
Expo (interior / exterior) Lighting Upgrades	2009 / 2010	$378,400	2-4 years
Government Center Exterior Lighting	2009 / 2010	$326,500	2-4 years
Highway Operations and Communications Center Exterior Lighting	2009 / 2010	$167,000	2-4 years
County Facilities Interior Lighting	2010 / 2010	$200,000	2-4 years
Waste Heat Recovery Nagawaukee Ice Arena	2009 / 2010	$260,000	6 years
HVAC Upgrade Eble Ice Arena	2010 / 2011	$140,000	TBD
Retzer Renewable Energy (geo-thermal) Project	2009 / 2010	$120,000	6 years
Street Lighting Luminaries Retrofit	2010 / 2011	$20,000	2-4 years
Traffic Signal Interconnection	2010 / 2010	$40,000	N/A

*Based on manufacturer's anticipated return on investment, potential rebates and maintenance savings

Alternatives

Do not accept the EECBG funding or take advantage of opportunities to reduce utility cost and water usage.

Ongoing Operating Costs

Initiation of these projects should result in a reduction in energy consumption of 20% for interior lighting and up to 65% for exterior lighting, geothermal and waste heat collection. The Departments of Parks and Land Use and Public Works will reduce utilities budgets in 2011 based on actual utility rates and reduced consumption.

Previous Action

New project.

Project #	200617	**Project Title**:	Radio Service Building Expansion/Renovation
Department:	Public Works--Buildings	**Sponsor:**	Dept of Emergency Preparedness
Phase:	Construction	**Manager:**	Richard H. Tuma, Dir.
Budget Action:	As Planned	**Date:**	September 28, 2009

CAPITAL BUDGET SUMMARY

Year	2008	2009	2010	Total
Project Phase	Budget & Concept	Design	Construction	Project
Expenditure Budget	$10,000	$40,000	$934,000	$984,000
Revenue Budget	$10,000	$40,000	$934,000	$984,000
Net County Cost	$0	$0	$0	$0

COST DOCUMENTATION		**REVENUE**	
Cost summary		Radio Service Fund Balance	$984,000
Design	$50,000		
Construction	$760,000		
Mis. Planning	$21,000		
Contingency	$67,000		
Generator	$84,000		
Moving Allowance	$2,000		
Total Project Cost	$984,000	Total Revenue	$984,000
EXPENDITURE BUDGET	$984,000	**REVENUE BUDGET**	$984,000

Project Scope & Description

Add approximately 1,000 square feet of "hardened" transmitter/equipment room along with associated AC power and HVAC equipment to accommodate a Digital trunked system infrastructure replacement and future equipment. This addition must be located adjacent to the existing transmitter tower to minimize cable runs and preserve signal strength. In addition to the transmitter/equipment room there will be approximately an additional 1,000 square feet for the generator, uninterruptable power supply (UPS) and mechanical equipment, and a secure lobby. The existing light commercial building is relatively vulnerable to weather damage and forcible entry; the project will upgrade the existing building sheet metal exterior.

Location

Radio Services Center 2120 Davidson Road, Waukesha.

Analysis of Need

The existing facility is 20 years old and will not be able to accommodate a trunked system infrastructure upgrade or replacement of the system infrastructure and future equipment space needs. This building expansion is expected to extend the facilities useable life for another 20 years and meet future needs. Moreover, the facility is a light commercial building with sheet metal exterior, and is relatively vulnerable to weather damage and forcible entry. Hardening the exterior of the building and securing the investment value of the equipment within the transmitter room, the administrative offices and shop areas are a key aspect of this project.

Alternatives

Due to the tower location, and FAA/FCC/zoning restrictions, there are no "reasonable" alternatives to relocation of county wide 800 MHz trunked system infrastructure.

Ongoing Operating Costs

Because the existing facility is relatively energy inefficient, there is expected to be cost savings due to heating and cooling reductions. The facility budgeted $32,000 for electricity and $5,500 for natural gas in 2009.

Previous Action

Approved as new project in 2006-2010 plan. Approved as planned in the 2007-2011 plan and 2008-2012 plan. Staff has been working with architect in developing the floor plan, electrical, and other needs. Change in scope and cost update in 2009-2013 plan.

Project #	HWY-200420	**Project Title**:	CTH SR, Fox River Bridge & Appr.
Department:	Public Works- Highways	**Road Name:**	Springdale Road
Phase:	Construction	**Project Type:**	Bridge
Budget Action:	$ Update	**Manager:**	Allison Bussler, Interim Director
Date:	September 28, 2009		

CAPITAL BUDGET SUMMARY

Year	2005	2006	2007	2008	2010	Total
Project Phase	Design	Right of Way	Construction	Construction	Construction	Project
Expenditure Budget	$91,000	$100,000	$392,000	$30,000	$30,000	$643,000
Revenue Budget	$0	$0	$0	$0	$0	$0
Net County Cost	$91,000	$100,000	$392,000	$30,000	$30,000	$643,000

COST DOCUMENTATION		**REVENUE**	
Design	$178,000	Federal Bridge Aid	$1,291,000
Land Acquisition	$142,000		
Construction	$1,403,000		
Construction Management	$155,000		
Contingency	$56,000		
Total Project Cost	$1,934,000	Total Revenue	$1,291,000
EXPENDITURE BUDGET	$643,000	**REVENUE BUDGET**	$0

Project Scope & Description

This project includes the replacement of structure P-67-732, CTH SR Bridge over the Fox River, and reconstruction of its roadway approaches. The roadway will remain a two-lane facility and will be constructed to current standards. Due to site hydraulic conditions, the proposed bridge is a 4-span land bridge/ stream crossing. The roadway elevation of the bridge will increase up to 5.5 feet, increasing project length to 1350 feet and increasing the bridge from a 2-span to a 4-span structure. The bridge will be constructed with shoulders to accommodate bicycles and pedestrians in accordance with the adopted Regional Bicycle and Pedestrian Facilities System Plan for Southeastern Wisconsin: 2010. A slab type structure will be constructed that can be widened if needed in the future. Right of way will be purchased to a width of 50 feet from the roadway centerline. The project will receive an estimated $1,291,000 in Federal Bridge Aid.

Location

City of Brookfield, City of Pewaukee

Analysis of Need

The existing bridge is two-span deck-girder bridge constructed in 1962. The ends of the pre-cast double tee girders are deteriorating, exposing tensioning strands. The loss of section has caused two girders to settle over the pier. Emergency repairs were made to the bridge in 2002. The structure sufficiency number is 31.2, which indicates that a structure replacement is warranted according to WisDOT guidelines, which state that a bridge should be replaced when the sufficiency drops below 50. The jurisdiction of this bridge transferred from the City of Brookfield to Waukesha County in 2000. The Fox River runs parallel to CTH “SR” for approximately three hundred feet at the site.

Alternatives

1. Do nothing. This alternative does not address the identified deficiencies.
2. Reconstruct the existing bridge and roadway approaches to current WisDOT standards.

Ongoing Operating Costs

Initial maintenance costs will be reduced.

Previous Action

Approved as new project in 2004-2008 Plan. Approved with cost update in 2005-2009 and 2006-2010 Plans. Approved with scope change and cost update in the 2007-2011 Plan. Approved with cost update in the 2008-2012 Plan. Approved as planned in the 2009-2013 Plan.

Project #	HWY-200008	**Project Title**:	CTH E, Oconomowoc River Bridge & App
Department:	Public Works - Highways	**Road Name:**	
Phase:	Construction	**Project Type:**	Bridge
BudgetAction:	C - $ Update; Revenue	**Manager:**	Allison Bussler, Interim Director
Date:	September 28, 2009		

CAPITAL BUDGET SUMMARY

Year	2000	2001	2004	2007	2008	2010	Total
Project Phase	Design	R/W&Const.	Construction	Construction	Const	Const	Project
Expenditure Budget	$82,000	$406,000	$96,000	$149,000	$218,000	$214,000	$1,165,000
Revenue Budget	$0	$0	$0	$0	$218,000	$0	$218,000
Net County Cost	$82,000	$406,000	$96,000	$149,000	$0	$214,000	$947,000

COST DOCUMENTATION		REVENUE	
Design	$170,000	North Lake	$218,000
Land Acquisition	$21,000	Management District	
Construction	$840,000	Portion of Design and Construction	
Construction Mgt	$100,000		
Contingency	$34,000		
Total Project Cost	$1,165,000	Total Revenue	$218,000
EXPENDITURE BUDGET	$1,165,000	**REVENUE BUDGET**	$218,000

Project Scope & Description

The project objective is to eliminate a weight restricted bridge on CTH "E" in the Town of Merton. Various alternatives were considered, including: 1. replacing the bridges on new alignment, 2. replacing the bridges and dam spillway structures on existing alignment, 3. replacing a bridge and removal of the dam, and 4. rerouting CTH "E". The selected alternative is to construct a box culvert on existing roadway alignment and construct a new dam spillway. An existing raceway structure will be removed. Reconstructed portions of roadway will meet current standards for pavement and shoulder width. This project will require land acquisition. The North Lake Management District (NLMD) has agreed to accept dam spillway ownership, operating, and maintenance rights from the current private dam owner. NLMD will fund a portion of the spillway reconstruction costs and will reimburse Waukesha County for these costs following construction. A project agreement is in place with the NLMD to address items such as cost sharing, dam ownership, long term maintenance, etc. The agreement will require revision to reflect current costs and NLMD spending cap.

Location

Town of Merton

Analysis of Need

Two roadway structures at the site include a 15.4-foot span steel deck girder and an 8-foot span stone arch raceway. The CTH E roadway and structures combine to form a dam, retaining Monches Mill Pond. The dam, spillways, and structures are privately owned and maintained. Waukesha County inspects the structures. The deck girder is in poor condition and is posted with a 6-ton load limit. The spillway floor is undermined and a scour hole exists just downstream of the structure. Structure replacement is warranted.

Alternatives

1. Do nothing. This alternative does not address the identified deficiencies.
2. Reconstruct the existing bridge and roadway approaches to current WisDOT standards.

Ongoing Operating Costs

Initial maintenance costs will be reduced.

Previous Action

Approved as a new project in the 2000-2004 Plan. Approved as planned in the 2001-2005 to 2003-2007 Plans. Approved with cost update in the 2004-2008 Plan. Approved as planned in the 2005-2009 and 2006-2010 Plans. Approved with cost update in the 2007-2011 Plan.

Project #	200011	**Project Title**:	CTH L, CTH Y to Moorland Road
Department:	Public Works- Highways	**Road Name:**	Janesville Road
Phase:	Design/Land Acquisition	**Project Type:**	Priority Corridor
Budget Action:	C-$Update, Revenue	**Manager:**	Allison Bussler, Interim Director
Date:	September 28, 2009		

CAPITAL BUDGET SUMMARY

Year	2007	2008	2009	2010	2011	2012	2013	Total
Project Phase	Design	Land	Land	Land	Const	Const	Const	Project
Expenditure Budget	$1,000,000	$3,500,000	$3,850,000	$3,600,000	$1,000,000	$5,520,000	$850,000	$19,320,000
Revenue Budget	$0	$0	$0	$0	$0	$1,150,000	$850,000	$2,000,000
Net County Cost	$1,000,000	$3,500,000	$3,850,000	$3,600,000	$1,000,000	$4,370,000	$0	$17,320,000

COST DOCUMENTATION			
Design	$1,000,000	STP - M (Phase 2 construction)	$5,980,000
Land Acquisition	$9,350,000	Estimated agreement with City of Muskego	$2,000,000
Construction	$13,550,000	for requested additional items to be determined	
Construction Mgmnt.	$900,000		
Contingency	$500,000		
Total Project Cost	$25,300,000	Total Revenue	$7,980,000
EXPENDITURE BUDGET	$19,320,000	**REVENUE BUDGET**	$2,000,000

Project Scope & Description

This project involves the reconstruction of 2.5 miles of CTH L (Janesville Road) from Moorland Road to CTH Y (Racine Ave) from a two-lane to a four-lane roadway. The project will be designed as one project with construction in two phases. Phase 1: Moorland to Lannon Drive and Phase 2: Lannon Drive to Racine Ave. Combinations of medians and two way left turn lanes will be used to provide for left turn movements. The roadway alignment will stay at its present general location. Land will be acquired to a width of 60 feet between Lannon Drive and Moorland road and 110 feet between Racine Avenue and Lannon Drive, This smaller width will provide significant savings in land purchase costs and will reduce the number of business and residential relocations from 22 to 16. Waukesha County will incorporate items such as side paths, landscaping, street lighting and other aesthetic improvements requested by Muskego through the Context Sensitive Solution process. The City of Muskego will reimburse the County for these additional expenses with a project agreement. A project agreement will be incorporated prior to construction. Federal Aid will be used for Phase 2 construction.

Location

City of Muskego

Analysis of Need

The Waukesha County Department of Public Works has identified CTH L or Janesville Road as a priority need for widening to four lanes. This portion of CTH L is also shown as a 4-lane roadway in the SEWRPC Jurisdictional Highway Plan for the year 2010 for Waukesha County. Traffic volumes recorded in 2003 along this portion of CTH L are approximately 16,000 vehicles per day. These volumes indicate that the existing two-lane roadway is beyond its operating capacity of 13,000 vehicles per day, and is therefore in need of widening.

Alternatives

1. Do nothing. This alternate does not address the identified deficiencies.
2. Reconstruct CTH L as described above.

Ongoing Operating Costs

Operating costs are expected to increase by approximately $13,500 per annum for the additional lane miles.

Previous Action

Approved as a new project in the 2001-2005 Capital Plan. Delayed in 2003-2007 Plan.
Approved as planned in the 2002-2006, 2008 – 2012, 2009-2013 Plans.
Approved with cost update in 2004-2008, 2005-2009, 2007-2011 Plans.
Approved as two projects in the 2006-2010 Plan.
Approved as a combined project (200011 & 200603) with a cost update in the 2007-2011 Plan.
Approved as planned in the 2008-2012 and 2009-2013 Plans.

Project #	200810	**Project Title**:	CTH CW, Ashippun River Bridge
Department:	Public Works - Highways	**Road Name:**	Mapleton Road
Phase:	Right of Way	**Project Type:**	Bridge
Budget Action:	C- $ Update	**Manager:**	Allison Bussler, Interim Director
Date:	September 28, 2009		

CAPITAL BUDGET SUMMARY

Year	2009	2010	2011	Total
Project Phase	Design	Right of Way	Construction	Project
Expenditure Budget	$125,000	$75,000	$133,400	$333,400
Revenue Budget	$0	$0	$0	$0
Net County Cost	$125,000	$75,000	$133,400	$333,400

COST DOCUMENTATION		**REVENUE**	
Design	$125,000	Federal Bridge Aid	$533,600
Land Acquisition	$75,000		
Construction	$575,000		
Construction Management	$69,000		
Contingency	$23,000		
Total Project Cost	$867,000	Total Revenue	$533,600
EXPENDITURE BUDGET	$333,400	**REVENUE BUDGET**	$0

Project Scope & Description

This project includes the replacement of the existing steel girder bridge on CTH "CW" over the Ashippun River. The project includes reconstruction of approximately 1300 feet of approach roadway on new alignment to correct the substandard horizontal alignment. The roadway will remain a two-lane facility and will be constructed to current standards. At a minimum, right of way will be acquired to the ultimate width of 50 feet from the roadway centerline. The project will receive an estimated $533,600 in Federal Bridge Aid.

Location

Town of Oconomowoc

Analysis of Need

The existing bridge (P-67-0046) is a single span steel girder structure that was constructed in 1930. The deck was replaced in 1986 and is in fair condition. The steel girders and concrete abutments are severely deteriorated. The roadway over the structure is narrow with minimal shoulders. The horizontal curvature of the roadway is substandard just east of the bridge. The structure sufficiency number is 40.7, which indicates that a structure replacement is warranted according to WisDOT guidelines that state that a bridge should be replaced when the sufficiency drops below 50.

Alternatives

1. Do nothing. This alternative does not address the identified deficiencies.
2. Reconstruct the existing bridge and roadway approaches to current WisDOT standards.

Ongoing Operating Costs

Initial maintenance costs will be reduced.

Previous Action

Approved as New Project in 2008 – 2012 Capital Plan. Approved as planned in 2009 – 2013 Plan.

Project #	HWY 200511	**Project Title**:	CTH D, Calhoun Rd – Intersection
Department:	Public Works- Highway	**Road Name:**	Cleveland Avenue
Phase:	Design/Land Acquisition	**Project Type:**	Intersection
Budget Action:	As Planned	**Manager:**	Allison Bussler, Interim Director
Date:	September 28, 2009		

CAPITAL BUDGET SUMMARY

Year	2010	2011	Total
Project Phase	Design/Land	Land/Const.	Project
Expenditure Budget	$100,000	$900,000	$1,000,000
Revenue Budget	$0	$0	$0
Net County Cost	$100,000	$900,000	$1,000,000

COST DOCUMENTATION		REVENUE	
Design	$80,000	STP - M	$0
Land Acquisition	$20,000		
Construction	$820,000		
Construction Management	$50,000		
Contingency	$30,000		
Total Project Cost	$1,000,000	Total Revenue	$0
EXPENDITURE BUDGET	$1,000,000	**REVENUE BUDGET**	

Project Scope & Description
This project provides funding to widen and improve the intersection of CTH D (Cleveland Avenue) and Calhoun Road in New Berlin. The work will involve rebuilding and widening the intersection to two thru traffic lanes and a left turn lane on all four approaches to the intersection. The work would be done to match the planned widening of Calhoun Road by the City of New Berlin and the future widening of CTH D by the county.

Location
City of New Berlin, Intersection at Calhoun Road and Cleveland Avenue

Analysis of Need:
This intersection controls traffic on two heavily used roadways, Calhoun Road and Cleveland Avenue. The City of New Berlin plans to widen Calhoun Road to four travel lanes. The County plans to widen Cleveland Avenue in the future. This project will improve travel thru the intersection and be compatible with both City and County road widening plans.

Alternatives
1. Do nothing. This alternative does not address the identified deficiencies.

Ongoing Operating Costs
Ongoing costs are expected to remain the same.

Previous Action
Approved as a new project in the 2005-2009 Capital Plan.
Approved as planned in 2006-2010 plan.
Approved with cost update in 2007-2011 plan.
Delayed in 2008 – 2012 Plan.
Change in scope and cost update in 2009-2013 plan.
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Project #	200608	**Project Title**:	CTH VV, CTH Y – Marcy Road
Department:	Public Works- Highways	**Road Name:**	Silver Spring Dr
Phase:	Design/Land Acquisition	**Project Type:**	Priority Corridor
Budget Action:	C - $ Update; Delay	**Manager:**	Allison Bussler, Interim Director
Date:	September 28, 2009		

CAPITAL BUDGET SUMMARY

Year	2010	2011	2012	2013	2014	Total
Project Phase	Design/Land	Land	Land	Const		Project
Expenditure Budget	$250,000	$600,000	$1,200,000	$1,902,000	$0	$3,952,000
Revenue Budget	$0	$0	$0	$0	$0	$0
Net County Cost	$250,000	$600,000	$1,200,000	$1,902,000	$0	$3,952,000

COST DOCUMENTATION		REVENUE	
Design	$250,000	STP - M	$7,610,000
Land Acquisition	$1,800,000		
Construction	$8,493,000		
Construction Management	$680,000		
Contingency	$339,000		
Total Project Cost	$11,562,000	Total Revenue	$7,610,000
EXPENDITURE BUDGET*	$3,952,000	**REVENUE BUDGET**	$0

*Linked to Project 9707 for an additional $8.4 million.

Project Scope & Description

This project is phase 2 for CTH VV widening and continues the reconstruction westerly from Marcy Road to west of the Fox River Bridge from Phase 1 (Capital Project 9707). The project involves the reconstruction of 1.5 miles of CTH VV to a multi-lane section and the reconstruction of the two Fox river bridge crossings. The use of a median or a two way left turn lane to provide for left turn movements will be evaluated during the design phase of this project. The roadway alignment will stay at its present location. Land will be acquired to a distance of 60 feet from the roadway centerline; additional grading easements and vision corners may be required. As many as four residential relocations are anticipated. Most of the ultimate right of way was purchased under a previous project. Federal Aid will be used on this project.

Location

Village of Menomonee Falls

Analysis of Need

CTH VV or Silver Spring Dr. has been identified as a priority corridor for widening to 4 lanes by the Waukesha County Department of Public Works. This portion of CTH VV is shown as a 4-lane roadway in the SEWRPC Jurisdictional Highway Plan for the year 2035 for Waukesha County. Traffic volumes recorded in 2006 along this portion of CTH VV are approximately 15,600 vehicles per day. These volumes indicate that the existing two-lane roadway is beyond its operating capacity, which is 13,000 vehicles per day, and is therefore in need of widening.

Alternatives

1. Do nothing. This alternate does not address the identified deficiencies.
2. Reconstruct CTH VV as described above.

Ongoing Operating Costs

Operating costs are expected to increase by approximately $36,750 per annum after construction (2012-2013) for the additional lane miles.

Previous Action

Separated from project 9707 in 2006-2010 Plan (9707 and 200608).
Approved with cost update in the 2007-2011 Plan.
Approved as planned in the 2008-2012 Plan.
Approved with additional revenue in the 2009-2013 Plan.

Project #	HWY-200917	**Project Title**:	Waukesha West Bypass
Department:	Public Works - Highways	**Road Name:**	MeadowBrook Rd/Merrill Hills Rd
Phase:	Design	**Project Type:**	Jurisdictional Plan Implementation
Budget Action:	Approved by Ordinance/ Change Revenue	**Manager:**	Allison Bussler, Interim Director
Date:	September 10, 2009		

CAPITAL BUDGET SUMMARY

Year	2009	2010	2011 *	2012 *	Total
Project Phase	Design	Design	ROW	Construction	Project
Expenditure Budget	$250,000	$1,750,000	$3,000,000	$720,000	$5,720,000
Revenue Budget	$250,000	$0	$2,400,000	$0	$2,650,000
Net County Cost	$0	$1,750,000	$600,000	$720,000	$3,070,000

COST DOCUMENTATION		REVENUE	
Design	$2,000,000	STP-M (not budgeted)	$2,880,000
Land Acquisition	$3,000,000	STP-M (Right-of-Way Acq.)	$2,400,000
Construction	$3,214,000		
Construction Management	$257,000	Capital project fund balance	$250,000
Contingency	$129,000		
Total Project Cost	$8,600,000	Total Revenue	$5,530,000
EXPENDITURE BUDGET	$5,720,000	**REVENUE BUDGET**	$2,650,000

* Funding will only be spent if project proceeds per the Memorandum of Understanding.

Project Scope & Description

Waukesha County has signed a Memorandum of Understanding (MOU) with The Wisconsin Department of Transportation and The City of Waukesha for completion of the West Waukesha Bypass, which clearly defines each party's responsibility for the completion of the Corridor. The MOU further states that upon completion of the preliminary design, the parties may review the cost estimates and may opt out of the project should the construction costs exceed $43,100,000.

Under the terms of the MOU, Waukesha County is responsible for the completion of the preliminary design for the entire corridor. This project will complete the preliminary design for the West Waukesha Bypass from STH 59 to I-94. The roadway will be designed as a 4 lane facility. The project deliverables will include an Environmental Impact Statement, a Design Report (including cost estimates) and the right of way plat for the project.

If the estimated costs are acceptable to the Parties the MOU states that: The City of Waukesha will construct the portion north of Northview Road. The Wisconsin Department of Transportation will construct the Bypass between STH 59 and USH 18 and contribute toward the cost of real estate. Waukesha County will be responsible for real estate acquisition south of Northview Road up to the cost of $3 million and the construction of the new roadway between USH 18 and Northview Road. The Department will only seek additional funding for real estate acquisition and construction when the parties have reviewed the cost estimates and agree to move onto Real Estate acquisition, final design and construction.

As the Bypass will become a State Trunk Highway, jurisdictional transfers will be required. USH 18 between CTH TT and STH 59/164 will be transferred to the City of Waukesha. STH 74 between STH 190 in Pewaukee and Menomonee Avenue in Lannon will be transferred to Waukesha County. CTH TT, Sunset to Northview and the new highway goes to the State jurisdiction.

Location

City and Town of Waukesha

Project #	HWY-200917	**Project Title**:	Waukesha West Bypass
Department:	Public Works - Highways	**Road Name:**	MeadowBrook Rd/Merril Hills Rd
Phase:	Design	**Project Type:**	Jurisdictional Plan Implementation
Budget Action:	Approved by Ordinance/ Change Revenue	**Manager:**	Allison Bussler, Interim Director
Date:	September 10, 2009		

Analysis of Need

The St. Paul Avenue-Sunset Drive-Merrill Hills Road corridor is a 2 lane roadway that has been acting as a de facto West Waukesha Bypass since the portion of CTH TT between USH 18 and Northview Road was opened in 1997. New development has occurred adjacent to CTH TT as well as the areas west and south of the corridor, such that traffic volumes along CTH TT north of USH 18 are now over 16,000 vehicles per day and are approximately 12,000 vehicles per day south of USH 18 and along Sunset. Traffic volumes along St. Paul are over 20,000 vehicles per day. Typically, roadways are widened to 4 lanes once traffic volumes reach 13,000 vehicles per day. From 2006 through 2008 there have been 145 crashes along the bypass route between Northview and STH 59 resulting in 56 injuries. Additionally Merrill Hills Road has substandard vertical and horizontal alignment, shoulder widths are narrow and most intersections lack bypass lanes. Although development has slowed along the corridor, growth in the area continues but at a slower pace. This continued growth and the projected use of the road for I-94 traffic relief for those going south, will add further pressure to the existing under capacity and substandard route and if the roadway is not improved will cause an increase in the rate of accidents and congestion.

Alternatives

1. Do Nothing. This alternate will not address the current and long term needs for the corridor.
2. Rehabilitate CTH TT. This alternate may address some of the geometric needs of the roadway, but does not meet the long term capacity requirements of the corridor.

Ongoing Operating Costs

Waukesha County will lose 3.4 miles of two lane highway but gain 4.9 miles of two lane roadway and 3.6 miles of four lane road, a net gain of 17.4 lane miles. The total annual operating cost increase of $134,000 is offset with anticipated additional State revenue of $98,000 for an estimated net operating increase of $36,000.

Previous Action

Project 200009, Widen CTH TT between USH 18 and Northview has been approved in previous budgets but was removed in the 2009 Capital Plan, pending negotiations with the State of Wisconsin and the City of Waukesha. This project for the construction of ($4.5 million over 5 years) of the entire West bypass includes project 200009, but has had no previous Board action. Approved as new project by 2009 ordinance in conjunction with approval of memorandum of understanding.

Project #	9817	**Project Title**:	Culvert Replacement Program
Department:	Public Works - Highways	**Road Name:**	Various
Phase:	Program Project	**Project Type:**	Bridge
Budget Action:	As Planned	**Manager:**	Allison Bussler, Interim Director
Date:	September 28, 2009		

CAPITAL BUDGET SUMMARY

Year Project Phase	Previous	2010	2011	2012	2013	2014	Total Project
Expenditure Budget	$1,300,000	$100,000	$100,000	$100,000	$100,000	$100,000	$1,800,000
Revenue Budget	$0	$0	$0	$0	$0	$0	$0
Net County Cost	$1,300,000	$100,000	$100,000	$100,000	$100,000	$100,000	$1,800,000

COST DOCUMENTATION		**REVENUE**	
Previous	$1,300,000		
2010 Appropriation	$100,000		
2011 Appropriation	$100,000		
2012 Appropriation	$100,000		
2013 Appropriation	$100,000		
2014 Appropriation	$100,000		
Total Project Cost	$1,800,000	Total Revenue	$0
EXPENDITURE BUDGET	$1,800,000	**REVENUE BUDGET**	$0

Project Scope & Description
Provide annual funding for a countywide culvert replacement program.

Location
Various

Analysis of Need
The Public Works Department replaces a number of culverts every year because of deterioration. This program is designed to address the larger culvert structures that require more extensive design and land acquisition, and have a higher construction cost. Generally the individual cost of the replacements is approximately $50,000 and therefore they do not warrant a Capital Project, however when grouped together the yearly costs exceed $100,000. Individual culvert locations are not normally known until the year they are to be replaced. We have averaged one to two culvert replacements per year under this program.

Alternatives
Schedule individual projects as the needs arise.

Ongoing Operating Costs
The projects do not require any expenditure of the Department's operating budget. Projects are reviewed by the engineering staff.

Previous Action
Project Approved as new program in 1998-2002 Capital Plan.
Approved as planned in the 2001-2005 Plan.
Approved with additional years in the 2002-2006 to 2010-2014 Plans.

Project #	200427	**Project Title**:	Signals & Safety Improvements
Department:	Public Works-Highway	**Road Name:**	
Phase:	Program Project	**Project Type:**	Spot Improvement
Budget Action:	C – Use Stimulus $	**Manager:**	Allison Bussler, Interim Director
Date:	September 28, 2009		

CAPITAL BUDGET SUMMARY

Year Project Phase	2010	2011	2012	2013	2014	Total Project
Expenditure Budget	$1,100,000	$500,000	$1,100,000	$0	$1,200,000	$3,900,000
Revenue Budget	$0	$500,000	$0	$0	$0	$500,000
Net County Cost	$1,100,000	$0	$1,100,000	$0	$1,200,000	$3,400,000

COST DOCUMENTATION		**REVENUE**	
2010 Appropriation	$2,350,000	2010 ARRA Stimulus not budgeted	$1,250,000
2011 Appropriation	$500,000	2011 CHIP -D Revenue	$500,000
2012 Appropriation	$1,100,000		
2013 Appropriation	$0		
2014 Appropriation	$1,200,000		
Total Project Cost	$5,150,000	Total Revenue	$1,750,000
EXPENDITURE BUDGET	$3,900,000	**REVENUE BUDGET**	$500,000

Project Scope & Description

This program will address roadway safety needs in three specific areas: existing signal upgrades, improvements at intersections that meet the most warrants with the installation of new traffic signals, addition of bypass lanes and right-of-way acquisition for roadway improvements at various locations and high crash sites. At each site where signal warrants are met the Department will study signal and roundabout alternatives and implement the most appropriate solution. The following intersections will be studied and constructed over the next two years (2010/2011) utilizing 2009 appropriation project balances.

CTH Y (Racine Avenue) & Woods Road (signal upgrades and roadway improvements)	$600,000
CTH V (Town line Road) & Goodhope Road – high crash rate due to poor vertical geometry	$1,302,000
Countywide bypass lanes and right-of-way acquisition (locations to be determined)	$200,000
CTY Y (Barker Rd) & CTH M (North)	$1,250,000

Location

Projects will be place named in the budget year. 2010/2011 projects are located in the Village of Lannon and The City of Muskego. The safety Bypass and right-of-way projects will be located throughout the County Highway System.

Analysis of Need

The County's population continues to increase. This fuels an increase in the number of vehicles on the roadways. As a result, there is an increasing need to install new traffic signals to reduce crash rates, delays and congestion. Some existing signals are more than 20 years old and at least need new features like turn arrows or pedestrian phrases. Some high crash site locations do not meet traffic signal warrants and need to be addressed with other techniques such as roadway reconstruction.

Alternatives

Accept increasing numbers of vehicle delays and rising crash rates. Attempt to perform signal upgrades using maintenance funding. Watch the list of warranted signal locations grow longer. Encourage alternative forms of transportation including transit, bicycling and walking.

Ongoing Operating Costs

Approximately $9,600 annually per new signal installation and additional lane miles.

Previous Action

Projects 9816 and 200203 approved in 2002-2006, 2003-2007 Capital Plans.
Approved as combined program in 2004-2008 Plan.
Approved as planned in 2005 – 2009, 2006-2010, 2007-2011 Plan, 2008 – 2012 Plan.
Cost update in 2009-2013 Plan.

Project #	200509	**Project Title**:	Repaving 2008-2012
Department:	Public Works	**Road Name:**	
Phase:	Program Project	**Project Type:**	Repaving
Budget Action:	C- $ Update Stimulus	**Manager:**	Allison Bussler, Interim Director
Date:	September 10, 2009		

CAPITAL BUDGET SUMMARY

Year	2008	2009	2010	2011	2012	2013
Project Phase						
Expenditure Budget	$2,800,000	$2,850,000	$2,850,000	$1,900,000	$1,900,000	**NEW**
Revenue Budget	$0	$0	$600,000	$0	$0	**PROJECT**
Net County Cost	$2,800,000	$2,850,000	$2,250,000	$1,900,000	$1,900,000	**CREATED**

COST DOCUMENTATION				**REVENUE**	
	Paver Study	UWW Pav.	Hwy Paving & shouldering	2010 ARRA - Stimulus funds	$2,120,000
2008	$20,000	$50,000	$2,730,000	Not budgeted	
2009	$20,000	$50,000	$2,780,000		
2010	$20,000	$50,000	$4,900,000	2010 CHIP Revenue	$600,000
2011	$20,000	$50,000	$1,830,000		
2012	$20,000	$50,000	$1,830,000		
Total Project Cost	$100,000	$250,000	$14,070,000	Tot. Revenue	$600,000
EXPENDITURE BUDGET			$14,420,000	**REVENUE BUDGET**	$600,000

Project Scope & Description

The project involves the resurfacing or rehabilitation of County Trunk Highways to remove distressed areas and provide an improved riding surface. It is the Department's goal to pave approximately 20 miles of roadway on a yearly basis. Crush, relay and surface or other alternative methods will be used as necessary in lieu of a simple patch and overlay. The project includes the cost of the ongoing Paver Inspection Program, which determines the sections of highways to be repaved, the cost of shouldering, the cost of the paving program at U.W. Waukesha, and the parking lots at the Department's substation facilities. Cost increase reflects the significant increases of current industry prices.

Location

Various locations throughout the county.

Analysis of Need

The Department presently maintains about 396 centerline miles of asphalt-surfaced roadways on the County Trunk System and the parking lots at U.W. Waukesha. The Department has reconstructed existing 2-lane roadways to 4-lane facilities and these 4-lane facilities are now coming to the end of their design life. As asphalt pavements age the surface tends to rut and crack due to vehicle loads and weathering of the asphalt. The Department has initiated a pavement management program, which uses the PAVER software system to rate pavement condition and to manage pavement projects. The average pavement condition index (PCI) of asphalt pavements in 2007 was 71. Our goal is to maintain an average PCI rating of 70 with less than 10% under a PCI of 40. Resurfacing projects take into consideration the PCI of the existing pavements and the classification of the road. The PCI ratings will be updated on a rolling three-year schedule.

Alternatives

1. Do nothing. This alternative will result in a deteriorated system requiring large expenditures of funds to reconstruct the deteriorated sections.
2. Spot repairs and patching. The result will be a slight delay in the deterioration of the system, but the eventual result will be the same as "do nothing".
3. Resurface roadways based on pavement conditions determined by the PAVER pavement management system and Department review.

Ongoing Operating Costs

The cost of maintaining a two-lane roadway in good condition is approximately $6,775 per lane mile.

Previous Action

Approved in the 2005-2009, 2006-2010, 2007-2011, 2008-2012 Plans.
Cost update in 2009-2013 Plan.
Approved for use of stimulus money in 2010-2014 Plan.

Project #	200703	**Project Title**:	Airport Maintenance and Snow Removal Equipment Building
Department:	Airport	**Manager:**	Keith Markano
Phase:	Construction		
Budget Action:	C-Funding Change	**Date:**	

CAPITAL BUDGET SUMMARY

Year	2009	2010	Total
Project Phase	Design	Construction	Project
Expenditure Budget	$40,000	$250,000	$290,000
Revenue Budget	$40,000	$250,000	$290,000
Net County Cost	$0	$0	$0

COST DOCUMENTATION		**REVENUE**	
		Construction Shares	
Construction	$1,160,000	WI BOA 80%	$1,160,000
Design/Admin & Engineering	$290,000		
		Project dependent on avail. State Funds	
Total Project Cost	$1,450,000	Total Revenue	$1,160,000
EXPENDITURE BUDGET	$290,000	**REVENUE BUDGET** (Airport Fund Balance)	$290,000

Project Scope & Description

Relocate and build a new Airport Maintenance and Snow Removal Equipment Building to create more space for maintenance vehicles and equipment for snow removal on the airfield.

Location

North side of the airport, where hangar 511 now stands.

Analysis of Need

The current 2,700 square foot maintenance building located in the north hangar area is not large enough to house all of the snow removal contractor's equipment. The current equipment shed was constructed in 1967 prior to both the physical and operational growth at the airport. Additionally, the Airport does not have any space for the storage of our own materials and equipment. The snow removal contractor has 2 blowers and 10 plow units (which is sufficient for clearing the airfield within 2 hours, per FAA Advisory Circulars 150/5200-30A, Airport Winter Safety and Operations, and 150/5220-20, Airport Snow and Ice Control Equipment), which recommends a minimum of 6,100 square feet of storage area, and the airport needs two storage bays for materials and equipment storage, which requires a minimum of 450 square feet, which equals a minimum of 6,550 square feet required for the storage building. FAA Advisory Circular 150/5200-30A also recommends that snow and ice control equipment be housed in heated garages during the winter to prolong the useful life of the equipment and to enable rapid response to operational needs. A larger maintenance and snow removal equipment building is needed to sufficiently house the equipment and materials necessary to keep the airport safe and operational during periods of inclement weather.

Additionally, when the original building was constructed snow removal and grass cutting was completed by the fixed base operator (FBO). The building was constructed exclusively for storage since the FBO had adequate office space and phone lines in the old terminal building for issuing the required notices to airmen (NOTAM's) and other administrative functions. Also, rest room facilities were located in the terminal and the FBO had after hours access. The previous contractor owns a hangar on the airport from where they conducted activities. The current contractor does not have any space for administrative functions or facilities for their employees.

Alternatives

Do nothing: The current building will still be used, but the risk of equipment breakdown will continue to increase with improper shelter given to these vehicles since equipment will need to be stored outdoors. This will lead to a shorter useful life for these vehicles, which could lead to operational inefficiencies on the airport when equipment is not available to clear the airport within the required 2 hour time period. Also, building maintenance and repair costs are expected to increase in the next few years as the building continues to age.

Without office space and adequate hard-wired communication equipment time critical NOTAM information is subject to the quality of cell phone signals and records keeping is a problem. Lack of adequate restroom facilities will continue to be a concern.

Ongoing Operating Costs

The operating costs for the building would include the depreciation, electric, gas, communications, and other costs associated with the day-to-day operation of the building. These operating costs may be reduced with possible future agreements with the contractor to have them accept some or all of these operational costs.

Previous Action

Approved as a new project in the 2007-2011 plan. Cost update in 2009-2013 Plan.

Project #	200614	**Project Title**:	2010 Orthophotography
Department:	Parks and Land Use	**Sponsor:**	
Phase:	Implementation	**Manager:**	Don Dittmar
Budget Action:	C- $ Update,Revenue	**Date:**	September 28, 2009

CAPITAL BUDGET SUMMARY			
Year	2010		Total
Project Phase	Implementation		Project
Expenditure Budget	$650,000		$650,000
Revenue Budget	$650,000		$650,000
Net County Cost	$0		$0
COST DOCUMENTATION		**REVENUE**	
Design	$650,000	Retained Land Information Fees	$400,000
Construction	$0	Capital Project Fund Balance	$250,000
Contingency	$0		
Total Project Cost	$650,000	Total Revenue	$650,000
EXPENDITURE BUDGET	$650,000	**REVENUE BUDGET**	$650,000

Project Scope & Description

Since 1987, Waukesha County has been creating digital topographic maps which display 2 foot interval elevation contours, planimetric features including street and waterway centerlines, and an underlying Digital Terrain Model (DTM) which can be used to provide a 3-D computer image of the County's surface. Prior to 1987, these topographic maps were collected in an analog (paper) format and no DTM was created. Capital project ROD 9900 created digital topographic maps and a DTM for all areas of the County that were available in the analog format. Capital project 2005-08 updated the County's DTM and topographic map set to reflect changes to the surface through 2005. This project will update the DTM to reflect changes to the surface, which occur between 2005 and 2010 and also collect new Orthophotography images of the entire County. It is anticipated this project would be done in conjunction with the Southeastern Wisconsin Regional Planning Commission's planned collection of new Orthophotography for their Region, which includes Waukesha County.

Location

Parks and Land Use Division

Analysis of Need

The Planning, Parks, Land Conservation, and Transportation Departments use the Orthophotography images, topographic maps and underlying DTM in their planning and development activities. Without current, consistent information, inaccurate assumptions could be made resulting in costly changes in planned activities.

Alternatives

Not create this information

Ongoing Operating Costs

None

Previous Action

Capital Plan ROD 9900 in 2000. Capital Plan 200508 in 2005. Approved as new project in 2006-2010 plan. Approved with updated revenue in 2009-2013 Plan.

Project #	200824	**Project Title**:	Pavement Management Plan
Department:	Parks & Land Use	**Manager:**	Dale Shaver, Parks & Land Use Director
Phase:	Program Project		
Budget Action:	As planned	**Date:**	September 28, 2009

CAPITAL BUDGET SUMMARY						
Year	2009	2010	2011	2012	2013	Total
Program Project						Project
Expenditure Budget	$460,000	$460,000	$460,000	$460,000	$460,000	$2,300,000
Revenue Budget	$0	$0	$0	$0	$0	$0
Net County Cost	$460,000	$460,000	$460,000	$460,000	$460,000	$2,300,000

COST DOCUMENTATION		**REVENUE**	
2009	$460,000		
2010	$460,000		
2011	$460,000		
2012	$460,000		
2013	$460,000		
Total Project Cost	$2,300,000	Total Revenue	$0
EXPENDITURE BUDGET '10	$460,000	**REVENUE BUDGET**	$0

Project Scope & Description

In cooperation with the Public Works Department, retain consultant services to update the Pavement Management Plan for county parks, highways and roads and to address the condition and maintenance schedule of parking lots, curb and gutter, and sidewalks at county facilities. The projects consist of soil borings, pavement pulverization, stabilization fabric, culverts, stone base and asphalt pavement construction. and concrete paving. $400,000 of the budget is for asphalt repair, $50,000 for concrete repair and $10,000 for consulting services.

Location

Various locations determined by pavement conditions.

Analysis of Need

In 2007 the Parks Department retained engineering services to evaluate the current paving system. The Parks Department Changed from the PASER rating to the PAVER system in an effort to be consistent with the Public Works Department. The work included field surveys of pavement conditions, development of deterioration models, and preparation of a 5 year pavement plan. The plan establishes a Pavement Condition Index (PCI). The PCI is a rated scale of 1-100 based on the state of the asphalt, pavement repairs will be based on need. A PCI rating of 86-100 is good and 71-85 satisfactory; pavements with these ratings need routine maintenance or repairs. A rating of 56-70 is fair and 41-55 poor, needing routine maintenance, repairs, major repairs or overall reconstruction. A rating of 26-40 is very poor needing major repairs or overall reconstruction. A rating of 11-25 is serious and 0-10 failed, needing overall reconstruction.

The major asphalt projects for 2010 are Minooka Park, Muskego Beach House, Expo and Radio Services. Approximately 80% of the budget will be used for major rehabilitation on sections selected on a worst-first basis. The remaining budget allocation is first utilized for preventative maintenance on sections with a PCI between 67 and 75, selected on best-first basis. Any remaining funds are utilized for minor rehabilitation on sections with PCI values between 45 and 65, selected on a worst-first basis. The goal of these practices is to maintain an average PCI of 71.

Alternatives

Spot repair with asphalt base patching or chip and seal road surface has been performed to maintain some function of the roadway. This could be continued on an annual basis, but will not achieve the desired surface performance. Reconstruction will be required sooner.

Ongoing Operating Costs

Maintenance of the existing road conditions requires frequent patching and chip and seal applications in order to provide usable conditions. Operating costs within the next 5 years will be minimal with the proposed pavement improvements.

Previous Action

Approved as a new program project in the 1997-2001 Capital Plan, continued in 1998-2002 Plan and 1999-2003 Capital Plan. Approved with a change in scope to include additional pavement in the 2000-2004 plan. Approved as planned in the 2001-2005 plan, 2002-2006 plan, 2003-2007 plan, 2004-2008 plan, 2005-2009 plan, 2006-20010 plan, 2007-2011 plan, and the 2008-2012 plan. Cost update in 2009-2013 Plan.

Project #	200609	**Project Title**:	Retzer Nature Center Maintenance Building
Department:	Parks and Land Use	**Sponsor:**	
Phase:	Construction	**Manager:**	Dale Shaver, Parks and Land Use Director
Budget Action:	C-Scope, Revenue	**Date:**	September 28, 2009

CAPITAL BUDGET SUMMARY

Year Project Phase	2007 Planning	2008 Design	2010 Construction	Total Project
Expenditure Budget	$5,000	$30,000	$809,000	$844,000
Revenue Budget	$0		$85,000	$85,000
Net County Cost	$5,000	$30,000	$724,000	$759,000

COST DOCUMENTATION		**REVENUE**	
2007 Planning	$5,000	2008 Design Incentive	
2008 Design	$30,000	2010 Renewable Energy	$85,000
2010 Renewable Energy	$85,000	Incentives & Grants:	
2010 Construction	$724,000	Solar PV, Solar Thermal, Geothermal, Lighting	
Total Project Cost	$844,000	Total Revenue	$85,000
EXPENDITURE BUDGET	$844,000	**REVENUE BUDGET**	$85,000

Project Scope & Description

This project combines the maintenance functions and native plant handling facilities for the Retzer Nature Center, and provides public restrooms for use outside of the Nature Center's operational hours. Currently the maintenance and seed handling functions are spread out in various buildings and structures throughout the Retzer Nature Center property. This new facility would be approximately 4,400 sq. ft. in size. The maintenance building would consist of restrooms, seed sorting and cleaning area, heated shop and storage, cold storage, and service yard with bulk storage. The maintenance bays are sized to the same dimension as the buildings designed for Menomonee Park and Muskego Park – this is an increase in the original building size (3,300 sq. ft.), which was based on the smaller Fox Brook Maintenance Building. This building will include sustainable enhancements in design and construction which make sense for the function of the building. Heating and cooling of conditioned space will be provided by a Geothermal system, shared with the existing Retzer Nature Center and Planetarium building (The shared geothermal system is included in a separate 2009 Energy Efficiency and Conservation Block Grant capital project). The proposed building site was the subject of Focus on Energy Site Assessments for Solar and Wind Turbine in January, 2008. The site was deemed to have "an excellent solar window", and the building could include Solar Photovoltaic for electric power generation and a Solar Thermal system to meet hot water needs. Energy efficiency features and renewable energy systems are eligible for various Focus on Energy and WE Energies grants and incentives. The net costs of these systems assume receipt of available incentives and grants for non-profit and governmental entities. Site costs are updated to include permeable pavement in lieu of asphalt and non-pervious concrete walks to reduce stormwater runoff and help mitigate on-going drainage problems at the Retzer Nature Center. County construction costs for 2010 were updated to account for cost of renewable energy systems and sustainable stormwater management including pervious concrete pavement.

Location

Retzer Nature Center, S14 W28167 Madison St., Waukesha, WI 53188. The maintenance facility would be located near the nature center building.

Analysis of Need

The old Sigurdson barn presently holds the majority of maintenance equipment for Retzer Nature Center. The storage space is inadequate requiring other equipment to be stored in an old shed near the barn. Some equipment is stored outdoors. An outside storage trailer is presently leased and located near the main building and is used for additional equipment storage. This trailer is unsightly and just off the parking lot. The barn becomes very damp and water seepage is a problem in spring and heavy rains. The barn

Project #	200609	**Project Title**:	Retzer Nature Center Maintenance Building
Department:	Parks and Land Use	**Sponsor:**	
Phase:	Construction	**Manager:**	Dale Shaver, Parks and Land Use Director
Budget Action:	C-Scope, Revenue	**Date:**	September 28, 2009

lacks ventilation, heat, and lighting. There is no running water and therefore no way to wash equipment. The barn is located a considerable distance from the main building requiring employees to operate maintenance equipment on CTH "DT". This is dangerous to staff and motorists. Greater efficiency of operations will also be achieved by locating the new Maintenance Building adjacent to the Retzer Nature Center. The proposed Maintenance Building will also support Retzer program activities and events and provide access to public restrooms when the Nature Center building is closed. The incorporation of renewable energy systems will expand the educational opportunities on sustainable buildings.

The Department received funding through the U.S. Dept. of Energy 'Energy Efficiency and Conservation Block Grant' program to expand the proposed geothermal system to provide heating and cooling for the existing Retzer Nature Center and Planetarium building.

Alternatives

No Action: Do not construct a new facility and remodel the existing facility to function better for the intended use. An addition would be required to enlarge the office and support areas. The buildings are much too old to consider this alternative.

Ongoing Operating Costs

Expected utility costs could be entirely offset by incorporating renewable energy systems with a new energy efficient building. Annual utility costs for existing park maintenance buildings range between $2000 and $5000 a year, split equally between electricity and gas. Geothermal heating and solar thermal water heating can eliminate the need for gas at the Maintenance Building, reducing energy needs to electricity only. The 14kW solar photovoltaic array proposed in the previous capital budget report will be re-evaluated based on incentives available in 2010. The $0.225/kWh WE Energies buyback rate was recently discontinued, extending the length of time for simple payback well beyond the 13 years originally estimated. Simple system payback for geothermal could be achieved within 5-10 years, depending on usage and escalation of gas prices. Utility costs for heating and cooling would be minimal – just the electricity needed to power the heat pumps. Maintenance costs would be minimal – changing out air filters and checking blowers. System life of the ground source heat pumps is 25-35 years, while the ground loop system is rated for a minimum of 50 years.

Previous Action Approved as new project in 2006 – 2010 capital plan. Approved with a location change and a cost update in the 2007-2011 plan. Cost and scope update in 2009-2013 Plan.

Project #	200505	**Project Title**:	Park Restrooms Renovation
Department:	Parks & Land Use	**Manager:**	Dale Shaver, Parks & Land Use Director
Phase:	Construction		
Budget Action:	As Planned	**Date:**	September 28, 2009

CAPITAL BUDGET SUMMARY

Year	2009	2010	2011	2012	2013	2014	Total
Program Project	Plan/Design	Construction	Construction	Construction	Construction	Construction	Project
Expenditure Budget	$15,000	$480,000	$660,000	$680,000	$700,000	$540,000	$3,075,000
Revenue Budget	$0	$0	$0	$0	$0	$0	$0
Net County Cost	$15,000	$480,000	$660,000	$680,000	$700,000	$540,000	$3,075,000

COST DOCUMENTATION	# Restrooms	Cost
2009 Planning & Design Building		$15,000
2010 Muskego Park	3	$480,000
2011 Nashotah & Men. Pk	4	$660,000
2012 Minooka Park	4	$680,000
2013 Naga-Waukee Park	4	$700,000
2014 Mukwonago Park	3	$540,000
Total Project Cost		$3,075,000
EXPENDITURE BUDGET		$3,075,000

Item	Per Unit	#	
Soils Testing *	$955	15	$14,325
On-Site Sys *	$15,165	15	$227,475
Well *	$12,660	11	$139,260
Restroom	$97,800	18	$1,760,400
Site work	$21,600	18	$388,800
Green Design			$260,000
Contingency			$103,000
Construction Inflation (2010-2014)			$181,740
	Total		$3,075,000

* Not all sites require.

The plan identifies Capital Projects over 5 years (2010-2014) to be accomplished in order to bring the parks up to sanitary expectations of the park user. The project would build new restrooms in the reserved picnic areas of Muskego, Nashotah, Menomonee, Minooka, Naga-Waukee, and Mukwonago parks. These parks combined need 18 new restrooms to replace 22 existing open concrete vault toilets. This project will explore for each park more sustainable technologies such as dual flush toilets, low-flow fixtures, waterless urinals, solar thermal water and space heating, solar electric lighting, solar powered and natural ventilation systems to minimize utility connections, well and septic field development. Grants and financial incentives for incorporating energy efficiency and renewable energy elements may be available to offset additional costs of sustainable technology. Geothermal was mentioned in previous scoping, but is cost prohibitive for structures of this size. This project addresses only the reserved picnic areas. Golf course and park camping toilets projects are planned to be introduced after completion of this project.

Location

Various park locations as described in project scope.

Analysis of Need

The specific parks listed have been in existence for many years. These parks have been upgraded over the years with picnic shelters, camping facilities, swimming areas with beach houses, and the addition of improved shelters with restroom facilities. These improvements are well appreciated by the park user. However, recurring complaints are received regarding the conditions of the older vault restroom facilities. The unpleasant odor of the vault restroom creates a disagreeable experience, even with increased pumping frequencies and the use of deodorants. The existing vault restrooms also lack hand-washing fixtures, critical to maintaining sanitary conditions for park users. Finally, the existing vault restrooms predate ADA (Americans with Disabilities Act) and require improvements for compliance and to best serve all park users by incorporating barrier-free facilities. ADA compliance may require grading approaches and entry areas to manageable slopes, widening doorframes and doors to accommodate wheelchairs, expanding stall areas and adding handrails within the restrooms.

Alternatives

Continue to use the vault toilet: keep trying to overcome the unpleasant odor; provide dispensers with anti-bacterial water-free hand cleansers; attempt to modify sitework, doors and fixtures to work toward ADA compliance.

Ongoing Operating Costs

Maintenance costs will increase because of the increased mechanical features and plumbing within the new restrooms. Cutting edge sustainable technologies potentially may have reduced operating and life cycle costs, though require additional staff training for specialized maintenance. Additional operating costs will be somewhat offset by increased use of the parks. Various companies have turned down the parks for company picnics because of the restroom conditions. The six parks identified currently generate as a total of $51,500 in reservation fees and $321,200 in entrance fees. The parks currently spend $13,250 for septic services.

Previous Action

Approved as new project in 2005-2009 plan. As planned in 2006-2010 and 2007-2011 plans. Approved with cost update in 2008-2012 plan. Change to scope in 2009-2013 Plan.

Project #	200915	**Project Title**:	Update and Integrate Courtroom Technology
Department:	Circuit Court Services	**Sponsor:**	Circuit Court Services
Phase:	Implementation	**Manager:**	Clerk of Circuit Court – Kathy Madden
Budget Action:	As Planned	**Date:**	September 28, 2009

CAPITAL BUDGET SUMMARY

Year	2009	2010	2011	2012	Total
Project Phase	Design	Plan / Implement	Implementation		Project
Expenditure Budget	$55,000	$450,000	$486,000		$991,000
Revenue Budget	$0	$0	$0	$0	$0
Net County Cost	$55,000	$450,000	$486,000	$0	$991,000

COST DOCUMENTATION		**REVENUE**	
Technology and System Design	$55,000		
Equipment Purchase and Install	$850,000		
Space Configuration	$50,000		
Contingency	$36,000		
Total Project Cost	$991,000	Total Revenue	$0
EXPENDITURE BUDGET	$991,000	**REVENUE BUDGET**	$0

Project Scope & Description

The scope of this project is to update and integrate the sound presentation, video presentation, internet/web services, digital court recording, videoconferencing, electronic court case management, and teleconferencing technologies in all circuit courtrooms and hearing rooms in the Courthouse and the Juvenile Center. Currently there are 17 areas - 12 circuit courtrooms and 5 hearing rooms - which are planned to be upgraded.

Key elements of this upgrade project will focus on 1) Creating an environment that integrates currently available and future technology tools that can improve the presentation of legal information and access to legal tools in all types of cases and for all participants in the system; 2) Expanding availability and use of remote video-conferencing as recommended in the Prisoner Movement Study (July 2007), or digital recording technologies anticipated to create business efficiencies which will have a positive impact on costs; and, 3) Incorporate equipment designed to take advantage of "smart" IP web enabled equipment which can be managed remotely by fewer persons to more efficiently coordinate or troubleshoot services as necessary.

This Project will also address power requirements for technology upgrades in the courts.

Project Status – Update Courtroom Technology – June 2009:

This is the largest component of the capital project and is proceeding as planned. An RFP for professional audio and video consulting services, with specific experience in court facilities will be coordinated in the 3rd or 4th quarter of 2009 to create a technology roadmap and component list to achieve the elements identified above.

An additional, more immediate element of this project would provide, upon agreement of the appropriate legal system and law enforcement participants, for the immediate specification and installation of a video and audio system to enable a process of appearance by video from the County Jail. This technology would be used primarily to reduce/eliminate in person initial appearances for in-custody defendants.

Project Status – In-Custody Video Appearance – June 2009:

At this time the consensus of Courts and Sheriff/Jail staff is that there are impediments to effectively implementing some manner of an in-custody video calendar due to the proximity of the jail to the Intake Court, and the legal requirement that a defendant may request to have their attorney present with them for a court proceeding can't be accommodated at this time in the Jail facility. While there is video capability in the jail there is not the ability to bring an attorney into the secure areas of the jail. For 2010, the Courts and the Sheriff's Office have submitted a joint Building Improvement request to discuss space utilization possibilities with the assistance of Public Works architectural staff to see if the old main jail facility could be re-programmed to accommodate both attorneys and defendants and create a secure video facility.

Project #	200915	**Project Title**:	Update and Integrate Courtroom Technology
Department:	Circuit Court Services	**Sponsor:**	Circuit Court Services
Phase:	Implementation	**Manager:**	Clerk of Circuit Court – Kathy Madden
Budget Action:	As Planned	**Date:**	September 28, 2009

Location
All existing courtrooms and hearing rooms in the Courthouse and the Juvenile Center.

Analysis of Need
Courtroom sound and all related technologies have evolved significantly since the last upgrade initiated over a decade ago and equipment from 10 or more years ago is beginning to fail. Piecemeal replacement or upgrading will become expensive and frequent breakdowns or problems slow down daily legal system activities. The current courtroom and hearing rooms incorporate basic sound system and teleconferencing technologies. There are several additional stand-alone video-conferencing and digital audio recording systems shared across multiple locations. Consideration and introduction of a variety of new sound and video technologies would improve our own business activities conducted in the courtroom and is needed to meet service demands required by more technologically savvy legal professionals. Additionally, use of new technologies requires tighter and more cohesive integration to minimize problems and ensure staff and customers can utilize the systems effectively. For example, our 'base' courtrooms 12 years ago integrated the sound system and teleconferencing technologies and relied on non-digital equipment to a great extent. From that start we have "patched in" digital audio recording systems managed over our computer local area network, made a variety of networked applications and web services available in the courtroom to the Judge, court staff, and attorneys, and introduced first Integrated Services Digital Network, and more recently, Internet Protocol based video-conferencing. It is time to consider new technologies that are available, assess what best serves Waukesha business needs, and plan and initiate comprehensive upgrades to all affected locations.

The project is designed to first bring on a technology consultant with expertise in these technologies and its use in the courts. Based on the business functions and technologies recommended we will move forward with modifications and improvements to a single courtroom to assess the effort and consider planning for upgrading additional existing or new courtroom systems in a phased manner.

For the in-custody video appearance element of this project request we are attempting to respond to and incorporate one of the goals identified in the 2007 Crowe Chizek Prisoner Movement Study (Process Option #5 - pg. 44) which identified a need to create more efficient and safe means of in-custody prisoner movement through the Court facility.

Alternatives
1. Do nothing. System failure and related repair/replacement costs will continue to occur with greater frequency.
2. Modify the project based on the professional review and judicial consideration to upgrade a more limited number of courtroom locations based on criteria to be determined.
3. Modify the project to differentiate and create a base upgrade in each location, and more selective upgrades and enhancements to various locations which are dependent upon the types of cases and potential technology needs of the specific courtroom or hearing room.

Ongoing Operating Costs
Almost all system support is provided internally by court staff. A limited amount of assistance from county Public Works staff or Information Technology division staff is required in the event major electrical or network cabling issues are encountered. No additional annual operating costs are expected. Newer equipment is more energy efficient which should offset additional energy costs associated with additional devices. There is also a benefit derived from a reduction in trouble-shooting and problem resolution efforts currently encountered with older equipment.

Previous Action
Approved as new project in the 2009-2013 capital plan.

Project #	200820	**Project Title**:	IT Infrastructure Upgrade to Wiring Closets
Department:	DOA-Information Technology	**Sponsor:**	DOA
Phase:	Construction	**Manager:**	Mike Biagioli
Budget Action:	As Planned	**Date:**	September 28, 2009

CAPITAL BUDGET SUMMARY

Year	2008	2009	2010	Project Total
Project Phase	Engineering	Implementation	Implementation	
Expenditure Budget	$50,000	$650,000	$100,000	$800,000
Revenue Budget	$50,000	$650,000	$100,000	$800,000
Net County Cost	**$0**	**$0**	**$0**	**$0**

Cost Documentation		**Revenue**	
Contract Services	$200,000		
Network Equipment	$100,000	End User Technology	$400,000
UPC and Closet Ventilation	$150,000	Fund Balance	
Cabling	$300,000	Telecommunications	
Contingency	$50,000	Fund Balance	$400,000
Total Project Cost	**$800,000**	**Revenue Budget**	**$800,000**

Project Scope & Description

The purpose of this project is to fund the required upgrades for the County's wiring closets supporting our network infrastructure across the County. As data throughput requirements have increased the network capacity has not kept pace. It is anticipated that within the next two years the demand for more capacity will require a significant increase to our network, specifically as it relates to our wiring closets. These closets will have to be evaluated to determine what upgrades will be required to support the County into 2015. Known upgrades are: new Cat 6 cable, an increase in electrical power, power battery backup for several of the closets, additional cooling for some of the closets, and possible relocation if required. Accomplishing these upgrades will also prepare the County for a transition to Voice Over Internet Protocol (VOIP) for our telephone system.

Location

All departments within the County.

Analysis of Need

1. An external communications and network consultant was contracted in 2004. The assessment prepared by that consultant identified the network infrastructure as inadequate to support VOIP and that significant modifications would have to be made to our infrastructure to accommodate this transition.

2. Packet sizes of data have increased in number and size over the past five years. This trend is projected to continue into the foreseeable future. Our network infrastructure, although currently adequate, is anticipated to be inadequate to support our future throughput requirements. This shortfall is anticipated to impact the County within two years.

3. Focusing in on the County's identified "bottlenecks" would be the most judicious use of County funds to resolve these issues.

Alternatives

Alternatives to this project include:

1. Postpone the upgrade until the throughput requirements dictate that an immediate upgrade is required.
2. Postpone the upgrade until Voice Over Internet Protocol is activated.

Ongoing Operating Costs

End User Technology will incur additional maintenance cost associated with the Power Backup units installed estimated to be approximately $3,500 annually. There should be no additional costs associated with the network infrastructure upgrade.

Previous Action

Approved as Planned in 2009-2013. New project in 2008-2012 plan.

Project #	200910	**Project Title**:	Electronic Document Management and Archival
Department:	DOA-Information Technology	**Sponsor:**	DOA
Phase:	Implementation	**Manager:**	Mike Biagioli
Budget Action:	As Planned	**Date:**	9/28/2009

CAPITAL BUDGET SUMMARY

Year	**2010**	**2011**	Project Total
Project Phase	Implementation	Implementation	
Expenditure Budget	$700,000	$290,000	$990,000
Revenue Budget	$700,000	$290,000	$990,000
Net County Cost	**$0**	**$0**	**$0**

Cost Documentation		**Revenue**	
Contract Services	$91,700		
Training	$8,300	End User Technology	$990,000
Hardware	$549,000	Fund Balance	
Software	$254,000		
Project Contingency	$87,000		
Total Project Cost	**$990,000**	**Revenue Budget**	**$990,000**

Project Scope & Description

The purpose of this project is to fund multiple aspects of the County's Electronic Document Management Environment and to implement an automated process for storage and archival for those electronic records. This is to include:

- The replacement of our current Optical Scanning storage repository that uses Optical Laser Disk storage with a technology environment that allows for the same Write-Once Read-Many requirement, but also allows for deletion of these records when they have reached their file retention end-of-life date. This will also require the replacement or significant upgrade of our scanning software (currently Stellent) to allow for end-of-life management.

- The implementation of a software/hardware environment that will allow for the management of our email archival and retrieval function. Currently, the County does not force the deletion of any received or sent email. This has put a major strain on the storage requirements for saving all these emails. It also creates a long and expensive process if any of these emails have to be restored. Information requests, related to emails, require extensive technical and manual efforts to find and produce the requested emails. The implementation of the email archival solution would allow each user to retain emails outside the email system, following the County's records retention policy, set up automated destruction time frames that are matched to the County's retention policy, and allow the system to manage that process for them. This would allow the County to automatically delete all emails (received and sent) on a set schedule and control the size of storage required for email while allowing easy retrieval of records when required.

- Provide data masking / data privacy for sensitive information that is not for public viewing. This could take the forms of simple data transformation, to allow for data elements to retain their defined characteristics, while still protecting the identity of the individual, all the way to automated redacting of information that is not to be made available to the general public.

- The above tasks will require upgrades to our current storage environment, so that it will be able to accommodate the physical requirements to implement these solutions.

Location

All departments within the County.

Analysis of Need

1. The growing concern around the cost associated with e-Discovery, as well as the potential financial exposure for the County if a discovery request is mishandled, makes this project a high priority effort. Records management responsibilities, as it relates to the protection and non-disclosure of health and other protected information, makes an automated records management environment the most cost efficient and effective method for satisfying this requirement. This project will also greatly reduce the countless hours of staff time required to review electronic records to satisfy open records requests, by providing the ability to search electronic documents by selected key words or streams of characters and returning only those electronic documents that match that criteria.

Project #	200910	**Project Title**:	Electronic Document Management and Archival
Department:	DOA-Information Technology	**Sponsor:**	DOA
Phase:	Implementation	**Manager:**	Mike Biagioli
Budget Action:	As Planned	**Date:**	9/28/2009

2. The costs associated with system recovery and the rebuilding of the email environment need to be reduced. This is one major way to accomplish that goal.

3. Our current "Juke Box" Optical Laser Disk infrastructure is coming to the end of its useful life and needs to be replaced with a more current environment. Using our Current environment does not allow for the deletion of scanned records and our current software system does not track deletion dates. Therefore our Optical Laser Disk storage requirements only grow. This also requires that we either replace our Stellent Imaging software or purchase the additional modules that will allow that environment to appropriately manage our Electronic Document Management function.

Alternatives

The alternative to this project would be to continue with our current technology environment, absorbing the costs, as they arise for Open Records requests, system rebuilds and e-Discovery requirements.

Ongoing Operating Costs

End User Technology will incur additional maintenance cost associated with the software and hardware estimated at $58,000 per year beginning in budget year 2011.

Return on Investment

Return on Investment: 67.50%
Return on Investment Break-even Period (Years): 2.25, based upon the project completion date
Five-Year Forecast:

Tangible Savings	$74,500
Risk Reduction:	$970,000
Process Improvement:	$7,500
IT Savings:	$201,000
Personnel Time Savings:	$348,000
Total Non-Budgetary / Intangible Savings:	$1,526,500

To be measured in 2013 with follow up in 2014.

Previous Action
New project in 2009-2013 Plan.

Project #	200912	**Project Title**:	Time and Attendance System
Department:	Administration	**Sponsor:**	DOA – Accounting/HR
Phase:	Design/Implement	**Manager:**	L. Dahl
Budget Action:	As Planned	**Date:**	September 28, 2009

CAPITAL BUDGET SUMMARY		
Year	2010	Total
Project Phase	Design/Implement	Project
Expenditure Budget	$268,000	$268,000
Revenue Budget	$0	$0
Net County Cost	$268,000	$268,000

COST DOCUMENTATION		**REVENUE**	
Software	$125,000		
Consultant Services	$133,000		
Training	$10,000		
Total Project Cost	$268,000	Total Revenue	$0
EXPENDITURE BUDGET	$268,000	**REVENUE BUDGET**	$0

Project Scope & Description
Review alternatives and select and acquire a system for collecting payroll time and attendance data.

Location
This application is used by all departments.

Analysis of Need
The County currently uses the Ceridian Time and Attendance Professional (TimePro) system to collect time and attendance data for the biweekly payroll, and to manage the accrual of time-driven benefits such as vacation, sick leave and compensatory time. This product is coming toward the end of its life cycle, and while the vendor has not yet announced plans to discontinue it, they have shifted development resources to a new product. The resources budgeted in this project would be used to evaluate whether the County should continue with an upgraded version of the existing application, change to a different application from the same vendor, or acquire a product from a third party.

Alternatives
One alternative to this project would be to continue with the current version of this product until it is de-supported by the vendor, in which case the County would need to pursue a course of action similar to this project further in the future. The other would be to attempt to develop an in-house application for collecting the needed data. This would be difficult, due to the wide variety of business rules that would need to be accommodated.

Ongoing Operating Costs
The primary operating cost going forward would be the application's annual maintenance fees and the cost, if any of maintaining a dedicated server. Currently, the TimePro system license runs about $38,000 annually, and is run along with the payroll/human resources software on four dedicated servers. To the extent a new application had differing license fees and infrastructure requirements, there would be an impact to operating costs.

Previous Action
New project in 2009-2013 Plan.

Project #	200622	**Project Title**:	ROD Tract Index Replacement
Department:	Register of Deeds/I.T.	**Sponsor:**	Register of Deeds
Phase:	Implementation	**Manager:**	Mike Biagioli
Budget Action:	C-Scope/$ Update	**Date:**	September 28, 2009

CAPITAL BUDGET SUMMARY

Year	2007	2008	2010	Total
Project Phase	Design/Specifications	Implementation	Implementation	Project
Expenditure Budget	$50,000	$225,000	$56,500	$331,500
Revenue Budget	$0	$0	$0	$0
Net County Cost	$50,000	$225,000	$56,500	$331,500

COST DOCUMENTATION		**REVENUE**	
Design	$50,000		
Contract Services/Equipment	$281,500		
Contingency	$0		
Total Project Cost	$331,500	Total Revenue	$0
EXPENDITURE BUDGET	$331,500	**REVENUE BUDGET**	$0

Project Scope & Description

This project is being initiated in conjunction with the Department of Administration and the County Cashiering capital project. Because documents are received and assigned document numbers in the Cashiering application, it is crucial that the Cashiering application (being pursued separately in the Countywide Cashiering capital project) and the Tract Index application are able to share this data.

The intent of this project is to replace the in-house Oracle based Tract Index with a single-source application from an outside vendor that will incorporate these functions.

The Tract Index is a database that indexes all records associated with real estate that are submitted to the Register of Deeds. Once a record is received by the R.O.D., it is given a document number by our cashiering system then imaged by Records Management. The Tract Index allows users to find individual documents by a variety of parameters.

This project will need to be coordinated with cashiering solution for the department, as these two systems are interdependent.

Funds are set aside in this project to study the current process interactions between Cashiering, imaging, and tract index applications.

The vendor that was awarded the Tract Index contract has an optional Public Access Software Module that will be evaluated and considered for possible replacement of the existing on-line system currently used by the County. This analysis will follow the implementation of the base/core Tract Index system.

Location

Register of Deeds, any department or citizen/organization accessing land-based records, Information Systems.

Analysis of Need

Tract Index: I.T. has requested we replace our current tract index system with a complete package provided by an outside vendor. The current index is an Oracle application which was developed in-house: Because it is unique and only a handful of remaining I.T. staff are familiar with it, it is very expensive, time consuming and labor-intensive to support. The index links to images which are viewed with a third party application (Optika/Acorde). As a result, any upgrade, version changes, etc to Optika/Acorde may cause problems with the index application.

Project #	200622	**Project Title**:	ROD Tract Index Replacement
Department:	Register of Deeds/I.T.	**Sponsor:**	Register of Deeds
Phase:	Implementation	**Manager:**	Mike Biagioli
Budget Action:	C-Scope/$ Update	**Date:**	September 28, 2009

Additionally, dependence on I.T. as our sole support for our tract index generally means one individual IT staff person is solely responsible for support of our system . If this staff member is out of the office when we have a problem, or retires shortly before a major Oracle upgrade (as happened in 2004), we are left without support until a new person can be trained in this application. A recent upgrade to Oracle Forms 9i was conducted jointly with I.T. and an outside consultant. The outside consultant is not readily available to us for problem solving.

Alternatives

1) Maintaining current process: The Tract Index would continue to be a burden to I.T. in terms of support. Also, if the one I.T. employee who knows our system well is out of the office when we have a problem, Real Estate production could be shut down until he/she is available to fix the problem. This could idle up to 10 R.O.D. employees.

When our current cashiering system goes down, we must revert to manual recording of documents, which requires all documents to pass through one individual in order to maintain document number continuity. In this situation, we would also be making hand-written receipts and keeping calculator tapes to track the day's transaction.

Prior to implementation of the current tract and cashiering system, the Waukesha County R.O.D. office received approximately 55,000 documents per year and was working on a 5 month document turn around. Today, with the same number of staff, we are able to process over 123,000 documents (2004 total) and remain within a 30 day turnaround benchmark. Failure of one or both parts of the current system could seriously erode production levels.

2) Combined system: Use a single software vendor to provide integrated cashiering, indexing, and perhaps imaging. This may alleviate several issues caused by having multiple vendors for separate software packages. Breakdown in the connectivity between applications caused by upgrades in any of the individual systems could also be eliminated. Troubleshooting a single application or a set of integrated modules from one vendor could be simpler and less expensive than maintaining multiple systems from a variety of vendors.

A combined system is not currently being pursued. A separate Capital Project is currently in place to replace all cashiering systems in the county. A combined system will be considered if it is determined a standard cashiering solution will not meet the cashiering requirements of the Register of Deeds office.

Ongoing Operating Costs

Annual maintenance cost is estimated at $25,000-$45,000, based on estimates from vendors and a 15% of initial cost rule-of-thumb estimate.

Previous Action

Approved as planned in the 2007-2011 plan.

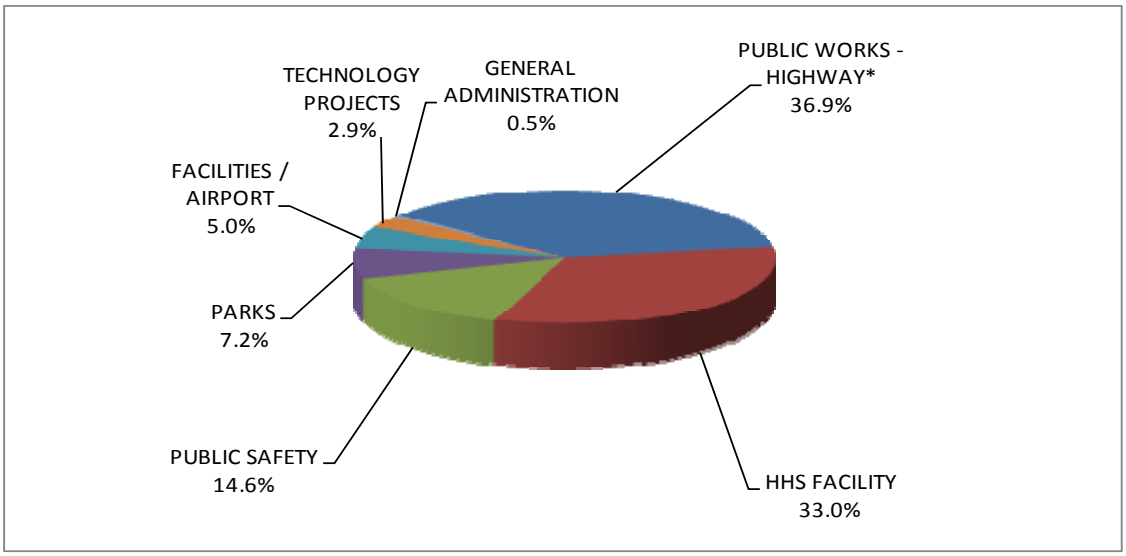
Each year, the County Executive submits a capital budget and an updated five-year Capital Plan to the County Board. After review and modification, the County Board adopts the plan by resolution. The plan represents the prioritization of long-range capital needs linked to the County's strategic plan.

Public Works–Highway projects are 37% of the plan at $41.0 million. However, Federal funds of $31.2 million will be used for a number of highway projects. This funding is managed by the State of Wisconsin and is not included in the County budget.

Justice and Public Safety projects of $16.2 million or nearly 15% of the plan include expanded facilities for Communications Center and Radio Services; and Courthouse security modifications. Technology projects include an upgrade to a digital radio system and courtroom technology upgrades. Health and Human Services includes the construction of a new building for $36.7 million or 33% of the plan dollars.

The Parks and Land Use functional area includes nearly $8 million or 7% of the plan, of which $4.2 million is for park buildings and $3.0 million is for trails and parks pavement improvements. In a planned five-year update cycle of the County's GIS digital topographic maps, $650,000 is identified for orthophotography in 2010.

Facilities/Airport projects total $5.5 million or 5% including $5.2 million for building renovations and $315,000 of County funding for an Airport maintenance building and Airport master plan update. County-wide technology projects total $3.2 million or 2.9% of the plan of which $1.8 million is to address the County's aging financial system. General Administration totals $650,000 for financing costs over the 5 years.



FUNCTIONAL AREA FOR TOTAL PLAN 2010-2014

FUNCTIONAL AREA	TOTAL 2010-2014	% OF TOTAL
PUBLIC WORKS - HIGHWAY*	$40,997,400	36.9%
HEALTH AND HUMAN SERVICES	$36,680,000	33.0%
PUBLIC SAFETY	$16,240,000	14.6%
PARKS	$7,958,000	7.2%
FACILITIES / AIRPORT	$5,506,900	5.0%
COUNTY WIDE PROJECTS	$3,254,500	2.9%
GENERAL ADMINISTRATION	$605,000	0.5%
TOTAL PLAN EXPENDITURES	$111,241,800	100%

- Note an additional $32.1 million of Federal funds will also be used for a number of highway projects. This funding is managed by the State and is not in the County budget.

WAUKESHA COUNTY 2010-2014 CAPITAL PROJECT PLAN SUMMARY

FUNCTIONAL AREA:	2010 Budget	2011 Plan	2012 Plan	2013 Plan	2014 Plan	5 YR TOTAL
JUSTICE & PUBLIC SAFETY						
Facility Projects	$3,359,000	$2,410,000	$0	$0	$20,000	$5,789,000
System Projects	$450,000	$493,000	$70,000	$775,000	$8,663,000	$10,451,000
HEALTH & HUMAN SERVICES						
Facility Projects	$250,000	$1,669,000	$13,961,000	$18,800,000	$2,000,000	$36,680,000
PARKS & LAND USE						
Parks/Facilities, Pavement	$2,399,000	$2,259,000	$1,140,000	$1,160,000	$1,000,000	$7,958,000
PUBLIC WORKS						
Highways	$6,019,000	$5,633,400	$7,955,000	$4,422,000	$1,968,000	$25,997,400
Highways/Major Maintenance	$4,050,000	$2,500,000	$3,100,000	$1,100,000	$4,250,000	$15,000,000
Subtotal Highways*	$10,069,000	$8,133,400	$11,055,000	$5,522,000	$6,218,000	$40,997,400
Facilities	$1,741,900	$360,000	$0	$0	$0	$2,101,900
UW-Waukesha	$0	$20,000	$110,000	$1,550,000	$1,410,000	$3,090,000
Airport	$250,000	$0	$65,000	$0	$0	$315,000
Subtotal Public Works	$12,060,900	$8,513,400	$11,230,000	$7,072,000	$7,628,000	$46,504,300
GENERAL ADMINISTRATION						
COUNTY WIDE						
Technology	$1,124,500	$1,550,000	$580,000	$0	$0	$3,254,500
Est. Financing Costs	$110,000	$110,000	$130,000	$140,000	$115,000	$605,000
Subtotal	$1,234,500	$1,660,000	$710,000	$140,000	$115,000	$3,859,500
TOTAL GROSS EXPENDITURES	$19,753,400	$17,004,400	$27,111,000	$27,947,000	$19,426,000	$111,241,800
LESS REVENUES & PROPRIETARY FUND BALANCES APPLIED	($4,960,900)	($3,657,000)	($1,865,000)	($1,237,500)	($4,331,500)	($16,051,900)
NET EXPENDITURES	$14,792,500	$13,347,400	$25,246,000	$26,709,500	$15,094,500	$95,189,900
Cash Balances Excluding Property Tax Levy	$1,912,500	$0	$5,150,000	$3,650,000	$0	$10,712,500
EXPENDITURES BEFORE TAXES, DEBT BORROWING AND INTEREST	$12,880,000	$13,347,400	$20,096,000	$23,059,500	$15,094,500	$84,477,400

- Note an additional $32.1 million of Federal funds will also be used for a number of highway projects. This funding is managed by the State and is not in the County budget.

The 2010-2014 Capital Plan identifies 46 projects at an estimated total cost of $111.2 million over the five-year period. Projects in the first year of the plan represent the 2010 Budget. Major projects for future years are briefly explained in the following narrative. A project listing of all projects in the five-year plan is shown on the following pages.

JUSTICE AND PUBLIC SAFETY

Justice and Public Safety projects total $16.2 million. This area includes $934,000 to expand and secure the radio services building; and $9.5 million for a digital upgrade to the 800 MHz Trunked radio system; and $20,000 to plan for future expansion of the Communications Center. Courthouse security modifications are also planned at $1.7 million including the addition of a secured corridor. Courtroom technology is planned to be upgraded and integrated for almost $936,000. Northview facility and program upgrades are budgeted for $2.3 million. Courthouse District Attorney space renovation for $580,000 is included and a study of the courthouse's future is budgeted for $250,000 and moved up into 2011.

HEALTH AND HUMAN SERVICES

This includes funding of $36.7 million for a new building which will begin design in 2010 and constructed over two years (2012-2013).

PARKS AND LAND USE

Projects in this functional area total nearly $8 million. Park projects include $2.3 million for park roadway maintenance improvements and $704,000 for bikeway pavement improvements. Almost $1.5 million of American Reinvestment and Recovery Act (ARRA) federal stimulus fund is also identified for paving the Lake Country Trail in 2010 . This project funding will be managed by the State and is not budgeted. The plan also includes Parks restroom upgrades totaling $3.1 million, $809,000 for a maintenance building and $435,000 for a roof replacement at the Exposition Center. In addition, $650,000 is appropriated in 2010 for orthophotography to update digitized maps for Land Informational (GIS) Systems.

PUBLIC WORKS

Public works projects for highways and facilities combined are estimated at $46.5 million and represent 42% of the total plan. This includes road projects totaling $41.0 million. New and expanded road capacity construction is identified in priority corridors and is estimated to cost nearly $22.9 million. Road projects include $13.2 million for major maintenance and roadway rehab, $0.75 million for bridge improvements and several spot safety improvements at an estimated cost of $3.9 million, primarily for intersection and signal work. ARRA Federal Stimulus funding administered and managed by the State DOT of $6,387,000 is also identified for projects. This funding is not included in the County budget.

Facility projects totaling $5.2 million include Juvenile Center boiler replacement; boiler and chiller replacements at UW-Waukesha; a water line project at the Highway shop to improve fire protection and energy conservation projects at various facilities funded with new federal Energy Efficiency & Conservation Federal ARRA (Stimulus) Grant funds of $1.6 million

Two Airport improvement projects, with a County cost share at $315,000 to address a maintenance building and updating the Master Plan. State and Federal Aviation funding of $1.2 million is also expected to be provided to assist in funding these projects.

GENERAL ADMINISTRATION – COUNTYWIDE TECHNOLGY PROJECTS

Countywide technology projects total $3.3 million include major projects for time and attendance system replacement; e-document management and archival records system and the replacement of the financial operations and management system which was initially purchased in 1997 needs to be replaced.

DEBT FINANCING COSTS

Debt financing related costs include promissory note discounts and arbitrage rebate expenditures which are currently estimated at $605,000 over the five year plan period.

PROJECT TITLE	NO.	CURRENT APPROP.	2010 BUDGET	2011 PLAN	2012 PLAN	2013 PLAN	2014 PLAN	Total 5 Yr Plan
PUBLIC WORKS - BUILDINGS								
NORTHVIEW UPGRADES	200708	$40,000	$160,000	$2,160,000				$2,320,000
COURTS PROJECT SECURED CORRIDOR	200326	$315,000	$1,685,000					$1,685,000
JUVENILE CENTER BOILER/CONTROLS	200706		$20,000	$200,000				$220,000
HIGHWAY WATER LINE LOOP	200913	$30,000	$230,000					$230,000
UWW BOILER,CHILLER & CONTROLS REPLACE	200902			$20,000	$110,000	$1,550,000	$1,410,000	$3,090,000
COURTHOUSE FUTURE STUDY	200914			$250,000	$0			$250,000
HEALTH & HUMAN SERVICES BLDG	200615		$250,000	$1,669,000	$13,961,000	$18,800,000	$2,000,000	$36,680,000
DA OFFICE SPACE RENOVATION	201001		$580,000					$580,000
ENERGY EFFICIENCY AND CONSERVATION FED ARAA GRANT	200918		$1,491,900	$160,000				$1,651,900
EMERGENCY PREPAREDNESS								
RADIO SERVICES BLDG EXPAND/RENOVATION	200617	$50,000	$934,000					$934,000
COMMUNICATIONS CENTER EXPANSION	200808					$0	$20,000	$20,000
PUBLIC WORKS - HIGHWAYS								
CTH SR, FOX RIVER BRIDGE & APPR	200420	$613,000	$30,000					$30,000
CTH E, OCONOMOWOC RIVER BRIDGE	200008	$951,000	$214,000					$214,000
CTH L, CTH Y to Moorland Road	200011	$8,350,000	$3,600,000	$1,000,000	$5,520,000	$850,000		$10,970,000
CTH CW, ASHIPPUN RIVER BRIDGE	200810	$125,000	$75,000	$133,400				$208,400
CTH F REHABILITATION (I-94- STH 190)	200905				$395,000	$855,000		$1,250,000
CTH D, CALHOUN -INTERSECTION	200511		$100,000	$900,000				$1,000,000
CTH VV, CTH Y to MARCY RD	200608		$250,000	$600,000	$1,200,000	$1,902,000		$3,952,000
CTH O, CTH I to HACKBERRY LANE	200104	$4,920,000	$0					$0
CTH K REHABILITATION (132ND TO 124TH)	200907				$0			$0
WAUKESHA WEST BYPASS	200917		$1,750,000	$3,000,000	$720,000			$5,470,000
CTH ES, Fox River Bridge	201004				$120,000	$176,000		$296,000
CTH NN, STH 83 to CTH ES	201006					$288,000	$818,000	$1,106,000
CTH O, CTH HH to Grange	201007					$351,000	$65,000	$416,000
CTH M, CTH YY to East County Line	201008						$1,085,000	$1,085,000
BRIDGE AID PROGRAM	9131	$910,000	$0	$0	$0	$0	$0	$0
CULVERT REPLACEMENT PROGRAM	9817	$900,000	$100,000	$100,000	$100,000	$100,000	$100,000	$500,000
SIGNAL/SAFETY IMPROVEMENTS	200427	$4,680,000	$1,100,000	$500,000	$1,100,000	$0	$1,200,000	$3,900,000
REPAVING PROGRAM 2007-2012	200509	$8,450,000	$2,850,000	$1,900,000	$1,900,000			$6,650,000
REPAVING PROGRAM 2013-2017	200911	$5,600,000				$1,000,000	$2,950,000	$3,950,000
AIRPORT								
AIRPORT SNOW REMOVAL EQUIP BUILDING	200703	$40,000	$250,000					$250,000
MASTER PLAN UPDATE	200804				$65,000			$65,000
PAVEMENT REHAB SOUTH T-HANGAR & NORTH RAMP	200909				$0			$0
PARKS AND LAND USE								
ORTHOPHOTOGRAPHY	200614		$650,000					$650,000
PAVEMENT MANAGEMENT PLAN	200824	$860,000	$460,000	$460,000	$460,000	$460,000	$460,000	$2,300,000
BIKEWAY PAVEMENT IMPROVEMENTS	200014	$675,000	$0	$704,000				$704,000

PROJECT TITLE	NO.	CURRENT APPROP.	2010 BUDGET	2011 PLAN	2012 PLAN	2013 PLAN	2014 PLAN	Total 5 Yr Plan
PARKS AND LAND USE-Continued								
EXPOSITION CENTER ARENA ROOF	200802	$25,000		$435,000				$435,000
RETZER NATURE CENTER MAINT. BLDG.	200609	$35,000	$809,000					$809,000
RESTROOM RENOVATION	200505	$15,000	$480,000	$660,000	$680,000	$700,000	$540,000	$3,060,000
IT-COURTS								
UPDATE & INTEGRATE CRTM TECHNOLOGY	200915	$55,000	$450,000	$486,000				$936,000
IT-EMERGENCY PREPAREDNESS								
DIGITAL RADIO SYSTEM UPGRADE	200815			$7,000	$70,000	$775,000	$8,663,000	$9,515,000
COUNTY-WIDE PROJECTS								
IT INFRASTR UPGRADE WIRING CLOSETS	200820	$700,000	$100,000					$100,000
E-DOCUMENT MANAGEMENT & ARCHIVAL	200910		$700,000	$290,000				$990,000
TIME AND ATTENDANCE SYSTEM	200912		$268,000					$268,000
FINANCIAL OPS & MGMT SYS	200619	$200,000		$1,260,000	$580,000			$1,840,000
REG OF DEEDS TRACT INDEX	200622	$275,000	$56,500					$56,500
EST. FINANCING (Includes Arb Rebate/Discount)	999999		$110,000	$110,000	$130,000	$140,000	$115,000	$605,000
TOTAL GROSS EXPENDITURES			**$19,753,400**	**$17,004,400**	**$27,111,000**	**$27,947,000**	**$19,426,000**	**$111,241,800**
LESS REVENUES AND PROPTIETARY FUND BALANCES APPLIED:								
(Excludes investment income earned on debt issue)								
AIRPORT FUND BALANCE #200703; #200804			$250,000		$65,000			$315,000
RADIO SERVICES FUND BALANCE # 200617 Building Upgrade			$934,000					$934,000
RADIO SERVICES FUND BALANCE # 200815 Trunk Radio Digitial System				$7,000	$70,000	$387,500	$1,212,500	$1,677,000
GENERAL FUND LOANS TO PARTNERS # 200815 Trunk Radio Digitial System							$3,119,000	$3,119,000
END USER TECHNOLOGY FUND BALANCE #200910 Electronic Doc Management Archival			$700,000	$290,000				$990,000
END USER TECHNOLOGY FUND BALANCE #200619 Financial System Migraiton				$300,000	$580,000			$880,000
END USER TECHNOLOGY FUND BALANCE #200817 Wiring Closets			$100,000					$100,000
Fed. CHIP Revenue- 200509 Repaving			$600,000					$600,000
STP -M Federal Revenue				$2,400,000				$2,400,000
CHIP D Revenue- 9903 CTH Y; 200427 Signals & Safety				$500,000				$500,000
Local Reimbursement Project 200022, CTH L					$1,150,000	$850,000		$2,000,000
Renewable Energy Incentive Revenue for 200609 Retzer Nature Center			$85,000					$85,000
Energy Efficiency & Conservation Federal ARRA (Stimulus) Block Grant (EECBG)			$1,491,900	$160,000				$1,651,900
STATE SHARED REVENUE			$200,000					$200,000
PERSONAL PROPERTY REPLACEMENT-STATE AID			$600,000					$600,000
		Subtotal	**($4,960,900)**	**($3,657,000)**	**($1,865,000)**	**($1,237,500)**	**($4,331,500)**	**($16,051,900)**
NET EXPENDITURES			**$14,792,500**	**$13,347,400**	**$25,246,000**	**$26,709,500**	**$15,094,500**	**$95,189,900**
Cash Balances Excluding Property Tax Levy								
LAND INFO SYS (LIS) FUND BAL # 200614 Orthophotography			$400,000					$400,000
CAPITAL PROJECT FUND BALANCE#200614 Orthophotography			$250,000	$0				$250,000
CAPITAL PROJECT FUND BALANCE			$1,262,500	$0	$5,150,000	$3,650,000		$10,062,500
		Subtotal	**$1,912,500**	**$0**	**$5,150,000**	**$3,650,000**	**$0**	**$10,712,500**
EXPENDITURES BEFORE TAXES, DEBT, BORROWING AND INTEREST			**$12,880,000**	**$13,347,400**	**$20,096,000**	**$23,059,500**	**$15,094,500**	**$84,477,400**