Project #	200615	**Project Title**:	Health & Human Services Building
Department:	Public Works--Buildings	**Sponsor:**	Health & Human Services
Phase:	Design	**Manager:**	Allison Bussler,Director
Budget Action:	C-Scope; C-Cash Flow Update	**Date:**	September 17, 2010

CAPITAL BUDGET SUMMARY

Year	2010	2011	2012	2013	2014	TBD	Total
Project Phase	Budget & Concept	Design Const.	Construct	Construct	Construct	Demolition	Project
Expenditure Budget	$302,500	$3,616,500	$15,961,000	$14,800,000	$2,000,000	$0	$36,680,000
Revenue Budget	$0	$0	$0	$0	$0	$0	$0
Net County Cost	$302,500	$3,616,500	$15,961,000	$14,800,000	$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 and 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 are not in this project, but will be reintroduced as a separate capital project in the future. County staff continues to work with the City of Waukesha Landmarks Commission and the State Historical Society to ensure compliance with any required preservation standards. In the event that the front portion of the building was not deemed historical, the costs for eventual removal of the front portion of the building would be provided. The project will include the demolition of the existing maintenance building and construction of a new maintenance building on a site to be determined. Any project cost adjustments will be identified at the completion of the budget and concept study and design phase in 2011. Funding is proposed to be advanced to 2011 to cover the demolition of the existing maintenance building, new maintenance building construction and site utility work and to allow both buildings to be bid at the same time.

Location

The building will be located at the southeast corner of the grounds of the existing Health and Human Service Center Campus.

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. Additionally, 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. Cost update, accelerated, and scope change in 2010-2014 Plan.

Project #	200706	**Project Title**:	Juvenile Center Boilers & Controls
Department:	Public Works - Buildings	**Sponsor:**	Public Works
Phase:	Construction	**Manager:**	Allison Bussler, Director
Budget Action:	As Planned	**Date:**	September 17, 2010

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 Courthouse 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. Approved as planned in the 2010-2014 Plan.

Project #	200708	**Project Title**:	Northview Upgrades
Department:	Public Works - Buildings	**Sponsor:**	Public Works
Phase:	Construction	**Manager:**	Allison Bussler, Director
Budget Action:	As Planned	**Date:**	September 17, 2010

CAPITAL BUDGET SUMMARY

Year	2009	2010	2011	Total
Project Phase	Budget & Concept	Design	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 2014) 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, Day Report Center, 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 accommodate changes in the day reporting program and 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:	Public Works - Buildings	**Sponsor:**	Public Works
Phase:	Construction	**Manager:**	Allison Bussler, Director
Budget Action:	As Planned	**Date:**	September 17, 2010

Analysis of Need

We realize that all of the deficiencies listed below cannot be addressed within this project. The 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). 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 #	200914	**Project Title**:	Courthouse Future Study
Department:	Public Works--Buildings	**Sponsor:**	Public Works
Phase:	Formation	**Manager:**	Allison Bussler, Director
Budget Action:	As Planned	**Date:**	September 17, 2010

CAPITAL BUDGET SUMMARY			
	2011		Total
Project Phase	Courthouse Study		Project
Expenditure Budget	$250,000		$250,000
Revenue Budget	$0		$0
Net County Cost	$250,000		$250,000
COST DOCUMENTATION		**REVENUE**	
Study	$250,000		
Total Project Cost	$250,000	Total Revenue	$0
EXPENDITURE BUDGET	$250,000	**REVENUE BUDGET**	$0

Project Scope & Description

The County is faced with two options to meet future needs –construction of either a new Courthouse Building or remodeling of the existing Courthouse. This Study funds a comprehensive analysis of these two alternatives and will result in developing programmatic, design and budgetary options as listed below:

Part I

1. Construction of a new Courthouse

a. Site Analysis
b. Space Programming/Allocation
c. Schematic Design
d. Budgetary Estimate

Part II

1. Remodeling of the existing Courthouse

a. Space Analysis/Level of Finish
b. Analysis of existing Courthouse Systems –mechanical, electrical & plumbing
c. Budgetary Estimate

Part III

1. Temporary Relocation Costs to utilize the existing HHS Building or "off-site" location for Courts Occupancy

a. Costs and space comparative analysis to relocate all Courthouse personnel into the existing HHS building during a remodeling period. (2 years)
b. Costs to relocate all Courthouse personnel into an off-site location during a remodeling period (2 years)
c. Costs to relocate partial Courthouse personnel to off-site location during a phased Courthouse remodeling period(2 years)
d. Cost analysis for temporary leased space
e. Cost analysis for temporary improvements to the existing HHS in order to house Courts
f. Cost analysis for prisoner transport to the existing HHS building or to an "off-site" location during a Courthouse remodeling
g. Parking space analysis of general public, Courts/HHS staff on the present HHS site.

2. Miscellaneous Expenses applied to both projects

a. Furniture, phone, data & equipment.
b. Moving expenses.
c. Security Equipment.
d. Permits, fees etc.

Location

Waukesha County Courthouse 515 W. Moreland Blvd. Waukesha

Analysis of Need

The existing Courthouse was constructed in 1959. The building remains structurally sound. Over the years, extensive remodeling has taken place to add additional courtrooms and reconfigure interior space. Public access to the building is now limited to the Main Entrance (Door #2) where security screening takes place. The original boiler and chiller have been replaced but most of the original mechanical infrastructure remains in place. Currently, all available courtrooms have a judge or commissioner assigned. There are no open or spare courtrooms for any added judicial offices. However, the State has not indicated that Waukesha County should plan on any new judges in the near future. Some courtrooms are considered inadequate since their space and/or security does not measure up to current courtroom design standards. The decision to renovate or build new will have far-reaching consequences. Decision makers need a comprehensive and straightforward presentation of the costs, benefits and return on investment of these two alternatives. The final decision must be based on strong analysis and be capable of spanning several County Board terms of office.

Alternatives

1. Build a new Courthouse.
2. Renovate the existing square footage of the Courthouse.

Ongoing Operating Costs

None anticipated from conducting this study.

Previous Action

New project in 2009-2013 plan. Accelerated in 2010-2014 Plan.

Project #	201107	**Project Title**:	LEC Roofing Replacement
Department:	Public Works - Buildings	**Sponsor:**	Public Works
Phase:	1-Year Project	**Manager:**	Allison Bussler, Director
Budget Action:	New	**Date:**	September 17, 2010

CAPITAL BUDGET SUMMARY

Year	2011	Total
Project Phase	Design & Construction	Project
Expenditure Budget	$380,000	$380,000
Revenue Budget	$0	$0
Net County Cost	$380,000	$380,000

COST DOCUMENTATION		REVENUE	
Architect	$26,000		
Construction	$328,000		
Contingency	$26,000		
Total Project Cost	$380,000	Total Revenue	$0
EXPENDITURE BUDGET	$380,000	**REVENUE BUDGET**	$0

Project Scope & Description

This project is to replace approximately 40,000 square feet of 60 mil EDPM (rubber) roofing on five different roof sections and associated flashings, copings and sealants on the Law Enforcement Center.

Location

515 W. Moreland Blvd. Waukesha WI 53188

Analysis of Need

The facility was constructed in 1993. Sixty mil EDPM (rubber) roofing has a life expectancy between 15 and 25 years. This is the original roof and is now 17 years old. The rubber has shrunk and is pulling away from the parapets and curbs. This area is also exposed to the sun and is cracking and a source of leaks. With the installation of a roof mounted solar hot water system scheduled for next summer, patching or roofing replacement in a few years will prove to be more costly.

Alternatives

Continue to patch when leaking.

Ongoing Operating Costs

N/A

Previous Action

None

Project #	201108	**Project Title**:	Highway Substations Roofing Upgrades
Department:	Public Works - Buildings	**Sponsor:**	Public Works
Phase:	Formation	**Manager:**	Allison Bussler, Director
Budget Action:	New	**Date:**	September 17, 2010

CAPITAL BUDGET SUMMARY

Year	2011	2012	Total
Project Phase	Budget & Concept	Design & Construction	Project
Expenditure Budget	$15,000	$568,000	$583,000
Revenue Budget	$0	$0	$0
Net County Cost	$15,000	$568,000	$583,000

COST DOCUMENTATION		REVENUE	
Architect	$57,000		
Construction	$489,000		
Contingency	$37,000		
Total Project Cost	$583,000	Total Revenue	$0
EXPENDITURE BUDGET	$583,000	**REVENUE BUDGET**	$0

Project Scope & Description

Roofing repairs and replacement at Highway facilities at the substations. The work includes roofing materials and installation, base, pipe and curb flashing, parapet coping and gutters where necessary and minor repairs on other buildings.

Nashotah Substation – Replace a shingle roof on the sand shed and a membrane roof on the substation. *New Berlin Substation* – Replace a shingle roof on the salt dome and a membrane roof on the substation. *North Prairie Substation* – Replace a shingle roof on the salt dome and a membrane roof on the substation.

Location

Nashotah Substation – N46 W33480 CTH R Nashotah, WI 53058
New Berlin Substation – 20300 W. Lawnsdale Road New Berlin, WI 53058
North Prairie Substation – 126 Oakridge Drive North Prairie, WI 53153

Analysis of Need

All of these roofs are 20 or more years old and need to be replaced. Nashotah Substation – Substation constructed 1972, Sand Shed 1991. New Berlin Substation – Salt Dome 1987, Substation 1950. North Prairie Substation – Salt Dome 1988, Substation 1988.

Alternatives

Continue to patch roofs as leaks develop.

Ongoing Operating Costs

None

Previous Action

None

Project #	200902	**Project Title**:	UWW Boiler, Chiller and Controls Replacement
Department:	Public Works - Buildings	**Sponsor:**	Public Works
Phase:	Budget & Concept	**Manager:**	Allison Bussler, Director
Budget Action:	As Planned	**Date:**	September 17, 2010

CAPITAL BUDGET SUMMARY

Year	2011	2012	2013	2014	Total
Project Phase	Budget & Concept	Design	Construction Boilers	Construction Chillers	Project
Expenditure Budget	$20,000	$110,000	$1,550,000	$1,410,000	$3,090,000
Revenue Budget	$0	$0	$0	$0	$0
Net County Cost	$20,000	$110,000	$1,550,000	$1,410,000	$3,090,000

COST DOCUMENTATION		REVENUE	
Engineering	$130,000		
Construction	$2,740,000		
Contingency	$220,000		
Total Project Cost	$3,090,000	Total Revenue	$0
EXPENDITURE BUDGET	$3,090,000	**REVENUE BUDGET**	$0

Project Scope & Description

The project is to replace the aging boilers, chillers, controls and related equipment at the University of Wisconsin Waukesha. The campus central heating plant currently includes two steam boilers and one hot water boiler. Steam is converted to hot water in seven different locations throughout the campus, and hot water is distributed to the various loads. This equipment serves most of the campus with the exception of a few gas fired units in some isolated areas. The central plant also includes two chillers and two cooling towers for cooling. Chilled water is distributed to most cooling loads on the campus.

A feasibility study has been completed to determine the best solution for the long term viability of the central heating and cooling plant, including the condition of the existing equipment, system efficiencies, long term reliability and maintenance concerns, operating costs and environmental considerations. The study recommended replacement of the existing steam boilers and chillers and converting the steam system to a campus-wide hot water system with removal or replacement of the steam-to-hot-water converters. The study also recommended replacing the standard motor drive units with variable frequency drive motors for greater energy efficiency. The project will also include replacement and upgrading HVAC system controls.

Location

UWW Waukesha, 1500 N. University Dr. Waukesha WI 53188

Analysis of Need

The UWW Campus was constructed in 1965. Most of the heating and cooling plant is from the original construction. Mechanical equipment usually has a useful life expectancy of 25 to 30 years. Many times the useful life can be extended with a good preventative maintenance program. Much of the existing equipment is approximately 43 years old. The replacement of the heating and cooling plant equipment and controls is needed because of the age and potential failure of the equipment. In addition with the rising cost of energy it is also prudent to replace this older inefficient mechanical equipment and controls with new high efficiency equipment. Two 400 HP Cleaver Brooks boilers provide heat to the entire campus which is approximately 266,000 sq ft. One 175 Ton and one 300 Ton Carrier Hermetic Centrifugal Chillers provide cooling to approximately 204,000 sq ft of campus. Both chillers contain refrigerant R-11, which is considered unfriendly to the environment

Alternatives

Do not replace them. Operate until equipment breakdown and replace them under emergency conditions. This has a potential impact on the daily operation of the University.

Ongoing Operating Costs

New energy efficient equipment and controls will have an impact on the amount of energy used per square foot. The UW System pays for the on-going operating energy cost for the campus.

Previous Action

Feasibility Study report completed July 15, 2008. New in the 2009-2013 plan. Cost update in 2010-2014 Plan.

Project #	200608	**Project Title**:	CTH VV, CTH Y – Marcy Road
Department:	Public Works- Highways	**Road Name:**	Silver Spring Drive
Phase:	Design/Land Acquisition	**Project Type:**	Priority Corridor
Budget Action:	As Planned	**Manager:**	Allison Bussler, Director
Date:	September 17, 2010		

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	Surface Transportation Program - Milwaukee	$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 $9.6 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.
Cost updated and delayed in 2010 - 2014 Plan.

Project #	200810	**Project Title**:	CTH CW, Ashippun River Bridge
Department:	Public Works - Highways	**Road Name:**	Mapleton Road
Phase:	Construction	**Project Type:**	Bridge
Budget Action:	As Planned	**Manager:**	Allison Bussler, Director
Date:	September 17, 2010		

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 require 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. Approved with cost update in the 2010-2014 Plan.

Project #	200917	**Project Title**:	Waukesha West Bypass
Department:	Public Works - Highways	**Road Name:**	Meadowbrook Rd/Merrill Hills Road
Phase:	Right of Way	**Project Type:**	Jurisdictional Plan Implementation
Budget Action:	C-Cash Flow Update	**Manager:**	Allison Bussler, Director
Date:	September 21, 2010		

CAPITAL BUDGET SUMMARY

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

COST DOCUMENTATION		REVENUE	
Design	$2,000,000	Surface Transportation Program - Milwaukee (not budgeted)	$2,880,000
Land Acquisition	$3,000,000	Surface Transportation Program - Milwaukee (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 of Public Works 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.

Project #	200917	**Project Title**:	Waukesha West Bypass
Department:	Public Works - Highways	**Road Name:**	MeadowBrook Rd/Merrill Hills Road
Phase:	Right of Way	**Project Type:**	Jurisdictional Plan Implementation
Budget Action:	C-Cash Flow Update	**Manager:**	Allison Bussler, Director
Date:	September 21, 2010		

Location
City and Town of Waukesha

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 #	9707	**Project Title**:	CTH VV, Marcy - Bette Drive
Department:	Public Works- Highways	**Road Name:**	Silver Spring Dr
Phase:	Construction	**Project Type:**	Priority Corridor
Budget Action:	C-$ Update	**Manager:**	Allison Bussler, Director
Date:	September 17, 2010		

CAPITAL BUDGET SUMMARY

Year	2007	2008	2009	2010	2011	Total
Project Phase	Design	Land Acquis.	Land/Const.	No Funding	Construction	Project
Expenditure Budget	$150,000	$340,000	$1,590,000	$0	$871,000	$2,951,000
Revenue Budget	$0	$0	$0	$0	$0	$0
Net County Cost	$150,000	$340,000	$1,590,000	$0	$871,000	$2,951,000

COST DOCUMENTATION		**REVENUE**	
Design (By DPW staff)	$155,000	Surface Transportation Program - Milwaukee	$6,624,000
Land Acquisition	$1,140,000		
Construction	$7,200,000		
Construction Management	$720,000		
Contingency	$360,000		
Total Project Cost	$9,575,000	Total Revenue	$6,624,000
EXPENDITURE BUDGET	$2,951,000	**REVENUE BUDGET**	$6,624,000

Project Scope & Description

This project involves the reconstruction of 1.8 miles of CTH VV to a multi-lane section. The project will extend westerly 600 feet through Jackson Drive to provide a logical match to the existing roadway. A median will be used to provide for left turn movements and as a bio swale to reduce suspended solid runoff as part of the storm water management plan. The roadway alignment will stay at its present location. Land will be acquired to a distance of 65 feet from the roadway centerline; additional grading easements and vision corners may be required. Approximately $6,624,000 in Federal Aid will be required.

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 also shown as a 4-lane roadway in the SEWRPC Jurisdictional Highway Plan for the year 2010 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 $15,500 per annum for the additional lane miles.

Previous Action

Included in 1993-1997 Plan and deleted in 1994-1998 Plan. Approved as a new project in 1997-2001 Capital Plan. Approved as planned in 1998-2002 to 2000-2004 Plans. Approved with cost update, and delayed in 2001-2005 and 2002-2006 Plans. Approved as planned in 2003-2007, 2004-2008 Plans. Approved with scope and cost update in 2005-2009, 2007-2011 plans. Approved with cost and revenue update in the 2006 - 2010 plan. Approved with cost update in the 2007-2011 plan. Approved as planned in the 2008-2012 Plan.

Project #	9904	**Project Title**:	CTH X, STH 59 – Harris Highlands
Department:	Public Works- Highway	**Road Name:**	St. Paul Avenue
Phase:	Construction	**Project Type:**	Priority Corridor
Budget Action	C- $ Update	**Manager:**	Allison Bussler, Director
Date:	09/17/2010, 9:43 AM		

CAPITAL BUDGET SUMMARY

Year	2005	2006	2007	2008	2009/2010	2011	Total
Project Phase	Design	Des/Land	Land	Const	No Funding	Const	Project
Expenditure Budget	$479,000	$519,000	$910,000	$2,500,000	$0	$336,000	$4,744,000
Revenue Budget	$0	$0	$0	$0	$0	$0	$0
Net County Cost	$479,000	$519,000	$910,000	$2,500,000	$0	$336,000	$4,744,000

COST DOCUMENTATION		**REVENUE**	
Design	$950,000	Surface Transportation Program - Milwaukee	$11,158,000
Land Acquisition	$988,000		
Construction	$11,966,000		
Construction Mgmt	$1,339,000		
Contingency	$659,000		
Total Project Cost	$15,902,000	Total Revenue	$0
EXPENDITURE BUDGET	$4,744,000	**REVENUE BUDGET**	$11,158,000

Project Scope & Description

This 2.0 mile long project involves the reconstruction of CTH X to a multi-lane section. The roadway will have two driving lanes in each direction. Both medians and two way left turn lanes will be provided to accommodate left turn movements. The project may involve two residential relocations. The roadway alignment may be moved slightly to reduce impacts on adjacent properties. Additional lands will be purchased to a distance of 65 feet from the roadway centerline. Intersections along CTH X will be improved to meet current and future traffic demands. The structure over Wisconsin Southern Railroad will be widened as part of the project. Approximately $11,158,000 in Federal Aid will be required. Cost increase reflects the significant increases of current industry prices. Updated costs reflect the actual design, land, and construction costs along with the additional STP fund increase.

Location

Town of Waukesha/ City of Waukesha

Analysis of Need

CTH X or St. Paul Avenue has been identified as a priority need for widening to 4 lanes by the Waukesha County Department of Public Works. This portion of CTH X 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 2006 along this portion of CTH X were approximately 20,700 vehicles per day south of Sunset Drive and 18,900 vehicles per day north of MacArthur Road. 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 alternative does not address the identified deficiencies.
2. Reconstruct CTH X as described above.

Ongoing Operating Costs

Operating costs are expected to increase by approximately $25,000 per annum for the additional lane miles.

Previous Action

Approved as new project in the 1999-2003 Capital Plan. Approved as planned in the 2000-2004 and 2006 - 2010 Capital Plans. Approved with cost update in the 2001-2005 Plan. Approved as planned in the 2002-2006 Plan. Delayed 2 years in 2003-2007 Plan. Approved as planned in the 2004-2008 Plan. Approved with cost updates in 2005-2009 Plan. Approved as planned in the 2006-2010 plan. 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:	Land Acquisition	**Project Type:**	Priority Corridor
Budget Action:	C-$Update; C-Cash Flow Update	**Manager:**	Allison Bussler, Director
Date:	September 17, 2010		

CAPITAL BUDGET SUMMARY

Year	2007	2008	2009	2010	2011	2012	2013	Total
Project Phase	Design	Land	Land	Land	Land Acq.	Const	Const	Project
Expenditure Budget	$1,000,000	$3,500,000	$3,850,000	$600,000	$900,000	$7,520,000	$850,000	$18,220,000
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	$600,000	$900,000	$6,370,000	$0	$16,220,000

COST DOCUMENTATION			
Design	$1,000,000	Surface Transportation Program - Milwaukee (Phase 2 construction)	$5,980,000
Land Acquisition	$8,250,000	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	$24,200,000	Total Revenue	$7,980,000
EXPENDITURE BUDGET	$18,220,000	**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 Road 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. Approximately $5,980,000 in Federal Aid will be required for Phase 2 construction. Updated costs reflect the reduction of land acquisition funds requested.

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 the 2003-2007 Plan.
Approved as planned in the 2002-2006, 2008 – 2012, 2009-2013 Plans.
Approved with cost update in the 2004-2008, 2005-2009, 2007-2011, 2010 - 2014 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.
Approved with cost and revenue updates in the 2010-2014 Plans.

Project #	200511	**Project Title**:	CTH D, Calhoun Rd – Intersection
Department:	Public Works- Highway	**Road Name:**	Cleveland Avenue
Phase:	Land Acquisition/Constr.	**Project Type:**	Intersection
Budget Action:	C - $ Update	**Manager:**	Allison Bussler, Director
Date:	September 17, 2010		

CAPITAL BUDGET SUMMARY

Year	2010	2011	Total
Project Phase	Design/Land	Land Acq/Constr.	Project
Expenditure Budget	$100,000	$1,100,000	$1,200,000
Revenue Budget	$0	$0	$0
Net County Cost	$100,000	$1,100,000	$1,200,000

COST DOCUMENTATION		REVENUE	
Design	$125,000	Surface Transportation Program - Milwaukee	$0
Land Acquisition	$40,000		
Construction	$900,000		
Construction Management	$90,000		
Contingency	$45,000		
Total Project Cost	$1,200,000	Total Revenue	$0
EXPENDITURE BUDGET	$1,200,000	**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 provide for current and future traffic volumes. A conventional intersection consisting of two through traffic lanes and a left turn lane on all four approaches and a roundabout will be considered as alternate designs for 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. Cost update reflects the actual design costs, and anticipated right-of-way and construction costs.

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 the 2006-2010, 2010 – 2014 Plans.
Approved with cost update in the 2007-2011 plan.
Delayed in the 2008 – 2012 Plan.
Change in scope and cost update in 2009-2013 plan.
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Project #	200606	**Project Title**:	CTH P, Bark River Bridge
Department:	Public Works - Highways	**Road Name:**	Sawyer Road
Phase:	Construction	**Project Type:**	Bridge
Budget Action:	C-$ Update	**Manager:**	Allison Bussler, Director
Date:	September 17, 2010		

CAPITAL BUDGET SUMMARY

Year	2007	2008	2009	2011	Total
Project Phase	Design	Right of Way	Construction	Construction	Project
Expenditure Budget	$124,000	$110,000	$96,400	$137,600	$468,000
Revenue Budget	$0	$0	$0	$0	$0
Net County Cost	$124,000	$110,000	$96,400	$137,600	$468,000

COST DOCUMENTATION		**REVENUE**	
Design	$124,000	Federal Bridge Aid	$475,000
Land Acquisition	$110,000		
Construction	$616,000		
Construction Management	$68,000		
Contingency	$25,000		
Total Project Cost	$943,000	Total Revenue	$475,000
EXPENDITURE BUDGET	$468,000	**REVENUE BUDGET**	$0

Project Scope & Description

This project includes the replacement of the existing box culvert with a new culvert and reconstruct the immediate roadway approaches on existing alignment. Replacement of an integral dam spillway is anticipated with this project. 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 40 feet from the roadway centerline. Additional right of way width may be necessary to construct this project. The dam spillway is not maintained by Waukesha County. It is anticipated that Summit will assume ownership of the spillway. Waukesha County and Town of Summit are working toward a project agreement. Per FHWA rules the spillway construction is ineligible for Federal Bridge funds therefore Waukesha County will fund 100% of the spillway portion of the project. The project will receive an estimated $475,000 in Federal Bridge Aid on the bridge portion of the project.

Location

Town of Summit

Analysis of Need

The existing bridge is two-cell box culvert that was constructed in 1932. The upstream and downstream ends of the culvert are severely deteriorated. The railing is deteriorating and is substandard design. The structure has no approach guardrail. The roadway over the structure is narrow with minimal shoulders. The structure sufficiency number is 41.9, 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. There is a dam spillway constructed integrally with the box culvert on the upstream side of the culvert. The location of the existing dam spillway will conflict with shoulder widening.

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 2006-2010 Plan. Approved with cost update in the 2007-2011, 2008 - 2012 Plans. Approved as planned in the 2009-2013 and 2010-2014 Plans.

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, Director
Date:	September 17, 2010		

CAPITAL BUDGET SUMMARY

Year Project Phase	Previous	2011	2012	2013	2014	2015	Total Project
Expenditure Budget	$1,400,000	$100,000	$100,000	$100,000	$100,000	$100,000	$1,900,000
Revenue Budget	$0	$0	$0	$0	$0	$0	$0
Net County Cost	$1,400,000	$100,000	$100,000	$100,000	$100,000	$100,000	$1,900,000

COST DOCUMENTATION		**REVENUE**	
Previous	$1,400,000		
2011 Appropriation	$100,000		
2012 Appropriation	$100,000		
2013 Appropriation	$100,000		
2014 Appropriation	$100,000		
2015 Appropriation	$100,000		
Total Project Cost	$1,900,000	Total Revenue	$0
EXPENDITURE BUDGET	$1,900,000	**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:	As Planned	**Manager:**	Allison Bussler, Director
Date:	September 17, 2010		

CAPITAL BUDGET SUMMARY

Year	2010	2011	2012	2013	2014	2015	Total Project
Expenditure Budget	$1,100,000	$500,000	$1,100,000	$0	$1,200,000	$2,250,000	$6,150,000
Revenue Budget	$0	$500,000	$0	$0	$0	$0	$500,000
Net County Cost	$1,100,000	$0	$1,100,000	$0	$1,200,000	$2,250,000	$5,650,000

COST DOCUMENTATION		**REVENUE**	
2010 Appropriation*	$1,100,000		
2011 Appropriation	$500,000	2011 CHIP D Revenue	$500,000
2012 Appropriation	$1,100,000	(County Highway Improvement Plan-Discretionary)	
2013 Appropriation	$0		
2014 Appropriation	$1,200,000		
2015 Appropriation	$2,250,000		
Total Project Cost	$6,150,000	Total Revenue	$500,000
* ARRA Stimulus funding of $ 1,250,000 was also planned (not budget			
EXPENDITURE BUDGET	$6,150,000	**REVENUE BUDGET**	$500,000

Project Scope & Description

This program will address roadway safety needs in three specific areas: existing signal upgrades and/or corridor signal system upgrades, improvements at intersections that meet traffic signal warrants and conducting roadway safety audits at 4 high crash locations throughout the county. An emerging standard of practice around the country is to evaluate high crash locations first with a Roadway Safety Audit to identify the use of lower cost remediation strategies. At each site where signal warrants are met the Department will study signal and roundabout alternatives. The following intersections will be studied and constructed over two years (2010/2011).

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
Moorland Road Corridor Signal Retiming and System Coordination Update	$100,000
Countywide Roadway Safety Audits (4 locations to be determined)	$100,000

Location

Projects will be place named in the budget year. 2011/2012 projects are located in the Village of Lannon, City of Muskego and New Berlin. The roadway safety audit projects will be located throughout the County Highway System and will guide the selection of improvement projects for the subsequent year.

Analysis of Need

The County's population continues to rise which leads to an increase in roadway vehicular accidents and results in the need to install new traffic signals or roundabouts 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 lower cost improvements.

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 the 2002-2006, 2003-2007 Capital Plans.
Approved as combined program in the 2004-2008 Plan.
Approved as planned in the 2005 – 2009, 2006-2010, 2007-2011 Plan, 2008 – 2012 Plan.
Cost update in the 2009-2013 Plan.
Approved for use of Stimulus Funds in the 2010-2014 Plan.

Project #	200509	**Project Title**:	Repaving 2008-2012
Department:	Public Works	**Road Name:**	
Phase:	Program Project	**Project Type:**	Repaving
Budget Action:	As Planned	**Manager:**	Allison Bussler, Director
Date:	September 17, 2010		

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 $7,000 per lane mile.

Previous Action

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

Project #	200802	**Project Title**:	Exposition Center Arena Roof
Department:	Parks and Land Use	**Sponsor:**	
Phase:	Design	**Manager:**	Dale Shaver, Dir.
Budget Action:	As Planned	**Date:**	September 17, 2010

CAPITAL BUDGET SUMMARY

Year	2009	2011	Total
Project Phase	Design	Construction	Project
Expenditure Budget	$25,000	$435,000	$460,000
Revenue Budget	$0	$0	$0
Net County Cost	$25,000	$435,000	$460,000

COST DOCUMENTATION		**REVENUE**	
Design	$25,000		
Construction	$405,000		
Contingency	$30,000		
Total Project Cost	$460,000	Total Revenue	$0
EXPENDITURE BUDGET	$460,000	**REVENUE BUDGET**	$0

Project Scope & Description
This project involves the assessment, design and repair/renovation of the existing domed and low-sloped roof areas of the Waukesha County Exposition Center Arena. This project may also include repainting the exterior of the Arena to complement the new roof color. New roof color will meet high-reflectivity standards for sustainable building design.

Location
Waukesha County Expo Center Arena, 1000 Northview Rd, Waukesha, 53188

Analysis of Need
The Arena was built in 1975 and repairs have been completed on an as needed basis over the years. Annual repairs to the roof make the facility operational, but the unpredictability of roof failures makes expenses and operations difficult to manage. A condition analysis performed in March of 2007 identified deficiencies, and due to previous instances of roof failure, concluded that the dome was at the end of its service life and that the low sloped entrance roofs had approximately 3 years of service life. Current issues include damaged decking and structure members, defects in the roof valley and deteriorated roof patches. A 2009 Roof Investigation, by a different consultant, confirmed previous findings and recommended a “roof recover” project within two years to gain more service from the roof membrane. Projected costs from the 2007 study were also confirmed in the 2009 investigation. The project cost is based on limited roof decking replacement as determined during roof structure analysis in 2009. If the condition of the decking is determined to be worse during actual construction, additional costs may be incurred.

The Arena provides for 21,000 square feet of rentable space including 14,500 feet of free span exhibit space, 3 meeting rooms and kitchen facilities.

Alternatives
Continue to make repairs to the roof, and repair roof and structural damage as it occurs on an annual basis.

Ongoing Operating Costs
Operational costs related to emergency roof repair.

Previous Action
New project in 2008-2012 Capital Plan. Engineering firm has completed a preliminary review of the roof in March 2007. An updated Arena Roof Investigation was completed in April, 2009. Approved as planned in the 2009-2013 Plan. Change in scope in the 2010-2014 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 17, 2010

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.

Project Scope and Description

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 include green initiatives such as dual flush toilets, low-flow fixtures, solar tube skylighting, and energy conserving motion detector/photocell switches for lighting and ventilation fans. 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 site work, 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 annually. The parks currently spend $13,250 for septic services annually.

Previous Action

Approved as new project in the 2005-2009 plan. As planned in the 2006-2010 and 2007-2011 plans. Approved with cost update in the 2008-2012 plan. Change to scope in the 2009-2013 Plan. Approved as planned in the 2010-2014 Plan.

Project #	200014	**Project Title**:	Bikeway Pavement Improvements
Department:	Parks and Land Use	**Sponsor:**	
Phase:	Construction	**Manager:**	Dale Shaver, Parks and Land Use Director
Budget Action:	C- Delay; C-$ Update	**Date:**	September 17, 2010

Year Project Phase	2002-2005 New Berlin	2010 Const.	2011 Const.	2012 Const.	Total Project
Expenditure Budget	$675,000	$0	$80,000	$704,000	$1,459,000
Revenue Budget	$500,000	$0	$0	$0	$500,000
Net County Cost	$175,000	$0	$80,000	$704,000	$959,000

COST DOCUMENTATION		**REVENUE**	
2002-2005 New Berlin	$675,000	Federal Stage 2 (American Reinvestment and Recovery Act) - Transportation Enhancement Funding 100% of $1,453,396 will fund the Lake Country Trail Improvements in 2010. Not budgeted	$1,453,396
2010 Lake Country	$0		
2011 Engineering	$80,000		
2012 Bugline	$704,000	In 2011, State Stewardship Grant up to 50% ($704,000) is expected to provide funding for Bugline Trail Improvements or ARRA funding : 2009 Awarded Phase 1($250,000) 2010 Application made for Phase 2 ($247,031) 2011 Proposed application for Phase 3($206,969)	$704,000
Total Project Cost	$1,459,000	Total Revenue Expected	$2,657,396
EXPENDITURE BUDGET	$1,459,000	**REVENUE BUDGET**	
		2005 Grant for New Berlin	$500,000

Project Scope & Description

This project will widen existing trails to better accommodate multiple uses, provide asphalt pavement and other trail improvements for the Bugline and Lake Country Bikeway/Pedestrian Trails. This will provide an improved surface for trail users and will allow increased accessibility for wheelchair users, stroller uses, in-line skaters, as well as year-round availability. The County Bikeway/Pedestrian Trails will better comply with American Association of State Highway and Transportation Officials (AASHTO) standards for bicycle and pedestrian facilities and offer greater multi-use opportunities. Project scope under this current capital budget request was expanded to include engineering expenses for planning and design in 2011 to contract out for engineering services as opposed to in house. The State of Wisconsin DNR requires the County to continue to accommodate snowmobile use on the Bugline Trail.

The Department will seek funding from multiple funding sources for various trail segments. The Lake Country Trail is approved for 100% funding through an Economic Recovery – Transportation Enhancements grant administered by the Wisconsin D.O.T. The Bugline Trail, originally budgeted as 80:20 cost share (WisDOT:County) will most likely be funded through a 50:50 cost share with the Wisconsin DNR Stewardship – Recreational Trails funding. In 2009, the County was awarded a state stewardship grant for phase 1 ($250,000), applied for phase 2 in 2010 ($247,031) and intends to apply for phase 3 in 2011 ($206,969). The County is applying for the maximum stewardship grant annually over a three-year period, and will install the project at one time. The County will continue to pursue more favorable funding sources for the Bugline Trail if possible.

Location

Lake Country Trail in Waukesha, Pewaukee, Delafield and Summit
Bugline Trail in Menomonee Falls, Lannon, Sussex, Lisbon and Merton

Analysis of Need

Customer requests for improved trail surface and accessibility. Improved surface material and expanded width will reduce user conflicts and enhance the experience for customers. Improved surfacing will also allow all-season, year-round use. Surface will be compatible with existing and proposed trail connections with local municipalities. Recent phases of the Lake Country Trail, developed by Waukesha County Parks, have been installed as ten-foot wide, asphalt-surfaced trails; while the original segments were eight-feet in width and surfaced largely in crushed stone. Upgrading the original trail segments will provide a uniform user experience for the entire trail length. These projects are consistent with the Regional Bike/Pedestrian Plan.

Alternatives

Maintain as crushed gravel stone surface trails. Possibly widen eight foot wide crushed stone trail segments to ten foot widths.

Ongoing Operating Costs

The project will reduce the annual maintenance costs of patching and grooming crushed stone surfaces. Pavement management of asphalt surface in future will include crackfilling, striping, patching, and eventual overlay of pavement in the future. Annual maintenance costs per mile are estimated at $5,125, of which $1,000 is for asphalt maintenance.

Previous Action

Approved as a new project in the 2001-2005 Capital Plan. Delayed in the 2004-2008 Capital Plan. Cost update in the 2005-2009 plan. Delayed in the 2006-2010 plan. As planned in the 2007- 2011 plan. Cost and scope updates in the 2009-2013 Plan. Approved for use of stimulus funding in the 2010-2014 Plan. Delayed and cost update in the 2011-2015 Capital Plan.

Project #	200824	**Project Title**:	Pavement Management Plan
Department:	Parks & Land Use	**Manager:**	Dale Shaver, Parks & Land Use Director
Phase:	Program Project		
Budget Action:	C-$ Update	**Date:**	September 17, 2010

CAPITAL BUDGET SUMMARY

Year	2010	2011	2012	2013	2014	2015	Total
Program Project							Project
Expenditure Budget	$460,000	$500,000	$500,000	$500,000	$500,000	$500,000	$2,960,000
Revenue Budget	$0	$0	$0	$0	$0	$0	$0
Net County Cost	$460,000	$500,000	$500,000	$500,000	$500,000	$500,000	$2,960,000

COST DOCUMENTATION		**REVENUE**	
2010	$460,000		
2011	$500,000		
2012	$500,000		
2013	$500,000		
2014	$500,000		
2015	$500,000		
Total Project Cost	$2,960,000	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. $440,000 of the budget is for asphalt repair, $50,000 for concrete repair and $10,000 for consulting services. Staring in 2011 the plan includes a 10% increase in the asphalt repair budget to ensure we maintain an average PCI of 71. The 10% increase includes funds to cover additional site analysis, including soil borings and surveys, to ensure higher quality construction and lower maintenance costs.

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 3 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.

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 worst-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. The major projects for 2011 are Minooka Park, Naga-Waukee Golf Course, and the Administration Center concrete. Major projects for 2012 include Muskego Beach House, Nag-Waukee campground road, and Juvenile Center and Jail parking lots. The major project for 2013 & 2014 is the Expo parking lots.

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 the 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, 2006-2010 plan, 2007-2011 plan, and the 2008-2012 plan. Cost update in the 2009-2013 plan. Cost update in the 2010-2014 plan.

Project #	200918	**Project Title**:	Energy Efficiency and Conservation Federal ARRA
Department	Parks and Land Use / Public Works	**Sponsor:**	Mark Keckeisen, Duane Grimm
Phase:	Construction	**Manager:**	Dale Shaver, Parks and Land Use Director Allison Bussler, Public Works Director
Budget Action	As Planned	**Date:**	September 17, 2010

CAPITAL BUDGET SUMMARY

Year	2009	2010	2011	Total
Project Phase	In House Design	Construction	Construction	Project
Expenditure Budget	$0	$1,931,900	$160,000	$2,091,900
Revenue Budget	$0	$1,931,900	$160,000	$2,091,900
Net County Cost	$0	$0	$0	$0

COST DOCUMENTATION		**REVENUE**	
Design	$0	Energy Efficiency & Conservation	
Construction	$2,091,900	Block Grant (EECBG)	$2,091,900
Contingency	$0		
Total Project Cost	$2,091,900	Total Revenue	$2,091,900
EXPENDITURE BUDGET	$2,091,900	**REVENUE BUDGET**	$2,091,900

Project Scope & Description

The American Recovery and Reinvestment Act of 2009 (ARRA), 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; Installation of a Solar Thermal System for hot water supply for the Waukesha County Jail and Law Enforcement Center and installing spread spectrum radio technology to interconnect traffic signals to reduce vehicle delay, thereby reducing emissions and fuel use.

Project #	200918	Project Title:	Energy Efficiency and Conservation Federal ARRA
Department	Parks and Land Use / Public Works	Sponsor:	Mark Keckeisen, Duane Grimm
Phase:	Construction	Manager:	Dale Shaver, Parks and Land Use Director Allison Bussler, Public Works Director
Budget Action	As Planned	Date:	September 17, 2010

Location

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 (8-9 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
Ice Arena Heat Recovery and HVAC	2010	$ 763,610	8-10 years
Law Center Solar Thermal system	2010/ 2011	$ 440,000	8 years
Exterior Lighting and Parking lots	2010/ 2011	$ 526,590	2-4 years
County Facilities Interior Lighting	2010 / 2011	$ 100,000	2-4 years
Retzer Renewable Energy (geo-thermal) Project	2009 / 2010	$ 201,700	8-10 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 and incremental cost of replacing some equipment

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 from current energy consumption usage, 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 in future budgets based on actual utility rates and reduced consumption.

Previous Action

New project in 2010-2014 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 17, 2010

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 17, 2010

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. Approved as planned in the 2010-2014 Plan.

Project #	200815	**Project Title**:	Digital Radio System Upgrade
Department:	Emergency Preparedness	**Sponsor:**	Radio Services
Phase:	Budget & Concept	**Manager:**	Richard H. Tuma
Budget Action:	As Planned	**Date:**	September 17, 2010

Year	2011	2012	2013	2014	Total
	Budget & Concept	Design & Engineering	Engineering Implement	Implement	Project
Expenditure Budget	$7,000	$70,000	$775,000	$8,663,000	$9,515,000
Revenue Budget	$7,000	$70,000	$387,500	$4,331,500	$4,796,000
Net County Cost	$0	$0	$387,500	$4,331,500	$4,719,000

COST DOCUMENTATION		**REVENUE**	
		Radio Services Fund Balance	$77,000
Design	$57,000	Municipal Sinking fund	$1,600,000
Construction	$73,000	County Loans to Municipal partners	$3,119,000
Construction	$8,941,000	General Fund Balance of $625,000 set	
Contingency	$444,000	aside per year beginning in 2010	
		County Share (Not included in total revenue)	$4,719,000
Total Project Cost	$9,515,000		
EXPENDITURE BUDGET	$9,515,000	**REVENUE BUDGET**	$4,796,000

Project Scope & Description

The migration from Analog to Digital technology is required because the vendor will no longer support Analog systems, and the current Analog system will have reached the end of its normal life cycle. All new trunked radio systems will be required to meet the new FCC standards or upgrade their current radios to the new platform. This project does not include costs of radios.

Location

Equipment is located throughout the county, but the "intelligence" of the system is located at 2120 Davidson Rd. We expect to add two additional transmit sites based on the FCC regulations and requirement for better than 95% coverage.

Analysis of Need

When the current system was purchased and installed in 2000 Digital systems were relatively new and it was determined that the Digital technology was not stable enough for the County's application. The replacement of the current 800 MHz trunked radio system to the new technology fits within the original planned time frame for the useful life estimate and system financing. In addition, Digital technology offers new features, tracking of radios, better interoperability with neighbors, and meeting a national standard. Digital offers better reception in the fringe areas compared to Analog thereby increasing coverage.

Alternatives

There is no alternative to replacing the system if we want to continue to use this as a public safety system. As these types of systems age their reliability can be negatively affected. Also, in the near future the vendor will no longer support this system, which means parts will be more difficult to obtain. It would be inappropriate to rely on a public safety system that is in danger of failures and rely on one hampered by an inability to repair the system effectively.

Ongoing Operating Costs

We expect more equipment and maintenance costs to increase but these will be covered as part of the annual operating costs that the users of the system will be required to reimburse the County Radio Services Operations.

Previous Action

New project in 2008. An Amendment to the original Intergovernmental Agreement has been signed to all 37 communities. Approved as planned in the 2010-2014 Plan.

Project #	201101	**Project Title**:	9-1-1 Phone System
Department:	Emergency Preparedness	**Sponsor:**	Waukesha County Communications
Phase:	Design/Bidding	**Manager:**	Richard H. Tuma
Budget Action:	New	**Date:**	September 21, 2010

CAPITAL BUDGET SUMMARY

Year	2010	2011	2012	2013	Total
Project Phase		Design/Bidding	Implementation		Project
Expenditure Budget	$0	$25,000	$1,075,000	$0	$1,100,000
Revenue Budget	$0	$25,000	$1,075,000	$0	$1,100,000
Net County Cost	$0	$0	$0	$0	$0

COST DOCUMENTATION		**REVENUE**	
Design/Bidding	$25,000	General Fund Balance	
Implementation	$1,025,000	(reserved)	$1,100,000
Contingency	$50,000		
Total Project Cost	$1,100,000	Total Revenue	$1,100,000
EXPENDITURE BUDGET	$1,100,000	**REVENUE BUDGET**	$1,100,000

Project Scope & Description

Replace current 9-1-1 phone system with newer technology capable of meeting the requirements of Next Generation 9-1-1 technology such as an IP based phone network, texting and video inputs. **During the design phase, the project will review the business case for implementing in 2012 or at a later date, based on technology compatibility.**

Location

Equipment will be installed and used at WCC, 1621 Woodburn Road.

Analysis of Need

Current 9-1-1 phone system was installed and operational in 2004. Newer technology requirements and end of life issues require we replace the current system with one capable of handling the Next Generation of 9-1-1 technology including digital phones, text messages, video, and the IP based infrastructure the phone network is migrating to. Support of existing equipment will become more difficult shortly as the availability of spare parts becomes limited.

Alternatives

Since the only alternative would be to continue to use current system but because it is out of production and spare parts are becoming more difficult to obtain, this is not a viable solution.

Ongoing Operating Costs

As with the current phone system, the Department would pay for maintenance on critical components and time and materials for less critical items. Current maintenance runs about $35,000 for the maintenance contract and Time & Materials. We expect the new system to cost a little more in the area of $40,000 annually.

Previous Action

New project.

Project #	200912	**Project Title**:	Workforce Management System
Department:	Administration	**Sponsor:**	DOA – Accounting/HR
Phase:	Design/Implement	**Manager:**	L. Dahl
Budget Action:	C-Scope; C-$ Update	**Date:**	September 17, 2010

CAPITAL BUDGET SUMMARY

Year	2010	2011	2012	Total
Project Phase	Design/Implement	New Module*	New Module*	Project
Expenditure Budget	$268,000	$150,000	$200,000	$618,000
Revenue Budget	$0	$150,000	$200,000	$350,000
Net County Cost	$268,000	$0	$0	$268,000

* Will be implemented if positive ROI

COST DOCUMENTATION		**REVENUE**	
Software	$421,000	General Fund Balance	$350,000
Hardware	$115,000	Fund balance will be used, as the purchases will only be made if a clear ROI implementation plan is in place.	
Consultant Services	$52,000		
Training	$30,000		
Total Project Cost	$618,000	Total Revenue	$350,000
EXPENDITURE BUDGET	$618,000	**REVENUE BUDGET**	$350,000

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 the vendor has announced plans to discontinue it, having shifted development resources to a new product. The resources budgeted in this project include a process review, and acquisition of a Workforce Management System with improved capabilities for data collection, data transfer between related systems, scheduling, benefit accrual and leave management and biometric time terminals in certain locations. These additional capabilities (modules) will only be purchased if implementation plans show clear return on investments as shown in the consultant study.

Alternatives
An alternative would be 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. This was rejected in the analysis since there are many competing vendors that provide these services. Continue scheduling systems currently in use by the various departments.

Ongoing Operating Costs
Annual application software maintenance costs will vary by the vendor chosen and modules selected, but are estimated at about $35,000-$45,000/year. The comparable cost for the current system is about $40,000/year. Hardware support for biometric time terminals are estimated at about $10,000-$11,000/year. Server and other infrastructure support costs will vary by the vendor chosen.

Previous Action
Originally included in the 2009-2013 Plan.

Project #	200619	**Project Title**:	Financial Operations & Management Systems
Department:	DOA-Information Technology	**Sponsor:**	DOA
Phase:	Implementation	**Manager:**	Mike Biagioli
Budget Action:	As Planned	**Date:**	9/17/2010

CAPITAL BUDGET SUMMARY

Year	2007	2010	2011	2012	Total
Project Phase	Analysis	Requirements & Selection	Implementation	Implementation	Project
Expenditure Budget	$200,000	$0	$1,260,000	$580,000	$2,040,000
Revenue Budget	$0	$0	$300,000	$580,000	$880,000
Net County Cost	$200,000	$0	$960,000	$0	$1,160,000

COST DOCUMENTATION		**REVENUE**		$0
Software	$550,000			
System Selection Services	$45,000	End User Technology Fund Bal		
Hardware	$90,000			
Consulting Services	$875,000		2011	$300,000
Training	$260,000		2012	$580,000
Contingency	$220,000			
Total Project Cost	$2,040,000		Total	$880,000
EXPENDITURE BUDGET	**$2,040,000**	Revenue Budget		$880,000

Project Scope & Description

This project included a 2009 consultant review of the County's current financial system (Oracle Government Financials – OGF) and possible alternatives, and recommended replacing it with a so-called "Tier II" solution for a return on investment in 9 years. The current OGF system will be 15 years in use when replaced. This solution would provide all the capabilities required for County operations without exposure to the financial risk inherent in Oracle's considerable pricing power. Funding is included in 2011 and 2012 to select, acquire and implement a suitable replacement for Oracle Government Financials.

Location

All County departments would be affected.

Analysis of Need

1. Since the last comprehensive review of County business processes in 1996, a number of new applications directly or indirectly affecting financial operations have been introduced.
2. Consolidation within the software industry has left the provider of the County's primary financial management system and large database environment in a dominant position, causing concern over its considerable pricing power. Oracle Systems forced the County to upgrade and purchase new licenses for $750,000 only three years after the initial license was purchased. The County must be prepared with analysis to move to a more competitive system before this occurs again. Also, Oracle Systems has announced they will no longer support OGF after November, 2013.
3. Potential changes in the County's technology environment, including the introduction of extensible markup language and the growing use of web-based services could simplify the County's interoperability situation if properly planned for. The possibility for sharing applications and/or data with other municipalities may prove feasible.
4. The continuation of supporting the Oracle database environment itself must be evaluated. Continuing in the direction of MS SQL Server for new applications could yield savings in both systems and staffing.

Alternatives

Alternatives to this project include:

1. Remain with the Oracle Government Financials application suite and our current collection of various interfaces. Build the potentially high cost of maintenance support into the operating budget after de-support by Oracle.
2. Remain with the Oracle Government Financials application suite and upgrade to Oracle's Fusion project prior to de-support at a higher cost than the recommended Tier II solution.

Fiscal Impacts

Based on estimates developed by the County's consultant, net annual savings of approximately $140,000-150,000 can be expected after implementation of the new system, largely due to lower maintenance and support costs.

Previous Action

Approved as a new project in the 2006 – 2010 Plan. Change in scope and cost update in 2010-2014 Plan.

Project #	200910	**Project Title**:	Enterprise Content Management
Department:	DOA-Information Technology	**Sponsor:**	DOA
Phase:	Implementation	**Manager:**	Mike Biagioli
Budget Action:	C-Scope	**Date:**	9/17/2010

CAPITAL BUDGET SUMMARY

Year	**2010**	**2011**	
Project Phase	Implementation	Implementation	Project Total
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.

- For 2012, Waukesha County has been informed, by Oracle, that our Stellent product will have reached its "end of life" and that all customers will have to transition from Stellent to the Oracle Imaging solution. This will entail a new contract and support agreement. This project will evaluate the fiscal impact this transition will have on the County, determine the correct course of action the County should follow (including the issuance of an RFP to replace our current Stellent system with a more fiscally reasonable alternative than that presented by Oracle). Additionally, the County must determine the best technical architecture for making this information available to the public, through web-based applications.

- 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 timeframes 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.

- An overall Enterprise Content Management environment will be developed and implemented that will allow for policy-driven user-controlled management of electronic records and documents. This environment will automate the retention and disposition of electronic records, utilizing the Records Retention Schedule; provide for automated record destruction based on scheduled retention, suspend destruction for "Legal Holds"; and provide end-user tools that will simplify the retention and retrieval process. It will also 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

Project #	200910	**Project Title**:	Enterprise Content Management
Department:	DOA-Information Technology	**Sponsor:**	DOA
Phase:	Implementation	**Manager:**	Mike Biagioli
Budget Action:	C-Scope	**Date:**	9/17/2010

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.

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 Fund will incur additional maintenance cost associated with the software and hardware estimated at $58,000 per year beginning in budget year 2012.

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

Project approved as a part of the 2009-2013 Plan. Approved as planned in the 2010-2014 Plan.

Project #	200109	**Project Title**:	Implement HHS Automated System
Department:	DOA-Information Technology	**Sponsor:**	HHS-Don Maurer
Phase:	Implementation	**Manager:**	Mike Biagioli
Budget Action:	C-$ Update	**Date:**	September 17, 2010

CAPITAL BUDGET SUMMARY							
Year	2001	2004	2006	2008	2009	2011	Total
Project Phase	**Analysis**		**Devlpmnt**	**Devlpmnt**	**Implmnt**	**Implmnt**	Project
Expenditure Budget	$560,000	$725,000	$110,000	$580,000	$830,000	$500,000	$3,305,000
Revenue Budget	$560,000	$725,000	$110,000	$0	$0	$500,000	$1,895,000
Net County Cost	$0	$0	$0	$580,000	$830,000	$0	$1,410,000

COST DOCUMENTATION				**REVENUE**	
	Phase I	Phase II	Total		
Software	$725,000	$350,000	$1,075,000	State Funding (SACWIS)	$180,000
Vendor Customization	$0	$105,000	$105,000		
Hardware	$0	$85,000	$85,000		
Contract/Consulting Services	$560,000	$1,230,000	$1,790,000	Capital Project Fund Balance	$60,000
Contingency	$110,000	$140,000	$250,000	Human Services Fund Balance	$1,655,000
Total Project Cost	$1,395,000	$1,910,000	$3,305,000	Total Revenue	$1,895,000
EXPENDITURE BUDGET	$3,305,000			**REVENUE BUDGET**	$1,895,000

Phase I

Prior funding from this Capital Project has funded the implementation of the State WiSACWIS system and its interfaces to the PeopleLink System. Funding was also included to incorporate the implementation of the Avatar PM Module from Netsmart to replace the prior Accounts Receivable system (MDX) which was not HIPAA compliant and the vendor has determined that they were not going to invest in the system to bring it into compliance. Funding was also included to replace the current Special Living Fund system with an updated fund management system. This replacement of the Special Living Fund system is still an objective of this project.

Phase II

This Capital Project's scope was changed to reflect a new objective for 2008 through 2011. Information Technology, working with Human Services to develop a Request for Proposal to select a vendor-supported application suite that will replace the in-house developed PeopleLink system and the Avatar PM module (currently provided and supported by NetSmart) and select a Case Management system.

There are anticipated customizations to the software, required by Waukesha County, as well as the conversion of all databases and associated applications will add $610,000 to the cost of the software. $500,000 has been added to this Capital Plan for 2011, to account for additional contract services funds required to convert current systems and applications to interface with the newly selected application suite.

Additional Server capacity will be required for the operation of these two modules.

Significant contract consultant help will be required to assist both Information Technology and Health and Human Services during the implementation of these modules.

Location

Health and Human Services will be the major beneficiaries of this effort.

Analysis of Need

1. The required modifications to PeopleLink, to properly interface with eWiSACWIS, HRIS, and the Avatar PM module and the Clinician Workstation System, would extend this project well into 2013. Replacing PeopleLink will eliminate an in-house application that has consumed staff resources far beyond the original expectations.
2. The business case for implementing a Case Management/Electronic Health Record (EHR) system for Health and Human Services has been made and is supported by solid Return on Investment as well as solid business justification.
3. Installing vendor support modules instead of in-house developed applications moves the majority of burden of maintenance of the core application (system) onto the vendor. This reduces the dependency on a single person in Information Technology. These include: Electronic Medication Administration, ePrescribing, and Order Entry.
4. The PeopleLink module is in need of a significant upgrade. Replacing it with a vendor package will defer the funds required for this upgrade.
5. Although a temporary solution for the Special Living Fund issue has been implemented a long-term solution still needs to be analyzed and implemented.

Project #	200109	**Project Title**:	Implement HHS Automated System
Department:	DOA-Information Technology	**Sponsor:**	HHS-Don Maurer
Phase:	Implementation	**Manager:**	Mike Biagioli
Budget Action:	C-$ Update	**Date:**	September 17, 2010

Alternatives

Alternatives to this project include:

1. Continue using the current partially automated process that is in place.
2. Develop the system in-house using a combination of County Information Technology staff and contracted services.

Ongoing Operating Costs

An estimate of on-going operational costs for the maintenance component for the Avatar PM module will be $38,250. The maintenance costs associated with the new application suite is estimated at between 15% and 20% of the cost of the software (approximately $150,000). These costs will be reflected in the Health and Human Services operating budget starting in 2012.

Return on Investment

Return on Investment: 37.50%
Return on Investment Break-even Period (Years): 4.10, based upon the project completion date
Five-Year Forecast:

Tangible Savings	$327,000	
Process Improvement:	$1,581,700	
Personnel Time Savings:	$3,906,000	Potential for a staff reduction equivalent to 5 FTEs
Total Non-Budgetary / Intangible Savings:	$5,487,700	

To be measured in 2014 with follow up in 2016.

NOTE: Any delay pushing the completion date out an additional year, will require a recalculation of ROI.

Previous Action

Approved as new project in the 2001-2005 Plan. Approved with change of scope in the 2006-2009 Plan.

Project #	201117	**Project Title**:	ROD Electronic record redaction
Department:	Register of Deeds	**Sponsor:**	
Phase:	Implementation	**Manager:**	Jim Behrend, Register of Deeds
Budget Action:	New	**Date:**	September 17, 2010

CAPITAL BUDGET SUMMARY

Year Project Phase	2011 Implementation	2012 Implementation	Total Project
Expenditure Budget	$350,000	$200,000	$550,000
Revenue Budget	$350,000	$200,000	$550,000
Net County Cost	$0	$0	$0

COST DOCUMENTATION		**REVENUE**	
Software	$350,000	Statutory Redaction Fee-	$550,000
Hardware	$0	General Fund Reserved	
Contracted Services	$200,000		
Total Project Cost	$550,000	Total Revenue	$550,000
EXPENDITURE BUDGET	$550,000	**REVENUE BUDGET**	$550,000

Project Scope & Description

The projects goal is to remove social security numbers from real estate records that are viewable in electronic format via the internet. All real estate records recorded between 1935 and March 31, 2006 may contain social security numbers. Currently Waukesha County allows electronic access to over 1,900,000 records on the Internet. In addition, approximately 1,700,000 paper records may contain social security numbers. This project will make use of new revenue dedicated to the project's purpose by WI Act 314. Act 314 states that the Register of Deeds Office may continue to collect this additional fee until sufficient funds have been collected to cover the costs associated with this project and other costs associated with redaction of social security numbers. The County Board has authorized the collection of this additional fee, starting June 25, 2010, thereby committing the County to engage in the activities enumerated under this capital project. As of this writing, all counties in Wisconsin are collecting the fee and engaging in efforts to redact social security numbers from the public real estate records.

Location

The project will take place in the ROD office.

Analysis of Need

Recent public interest in maintaining the integrity of social security numbers has resulted in legislation affecting the duties of the Office of Register of Deeds. Since April 1, 2006, State Statutes make it illegal to record documents with social security numbers. In addition, the ROD staff may cross out social security numbers on recorded documents recorded after March 31, 2006, if they come across social security numbers in the course of their recording activities. Outside of this recent timeframe, social security numbers exist in ROD records dating back to 1935.

Alternatives

Waukesha County could decide to not collect the $5 per document fee and not engage in the project. Such a decision would leave Waukesha County as the only County in Wisconsin that continues to make individual social security numbers available on documents showing on the Internet. Waukesha County could also comply with the law by removing Internet access to all real estate records. This would result in reduced present and future revenues received from the public for search and copy fees. Limiting access to real estate records on the Internet would also increase foot traffic in the ROD office, as the public comes in the purchase copies of real estate records.

Ongoing Operating Costs

This project is self-funded by a fee of $5 per document recorded, starting June 26, 2010. This fee, created by WI Act 314(SB 507), is specifically designated by the statute to be used only for making available a redacted electronic version of ROD documents that may contain social security numbers. Once the digitization and redaction is complete, the fee will be discontinued and the ROD office will revert to its prior practice of rejecting or redacting new documents that contain social security numbers.

Previous Action

County board approval of Redaction fee.

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