

ENROLLED RESOLUTION 165-4

ADOPT FIVE-YEAR CAPITAL PROJECTS PLAN

WHEREAS the County Board's Executive Committee completed its review of capital projects proposed in the County Executive's 2011 budget submission, and

WHEREAS the Executive Committee prepared a listing of recommended capital projects for adoption by the Waukesha County Board of Supervisors as the Waukesha County Five-Year (2011-2015) Capital Plan.

NOW THEREFORE BE IT HEREBY RESOLVED BY THE WAUKESHA COUNTY BOARD OF SUPERVISORS that the Waukesha County Five-Year (2011-2015) Capital Plan, as recommended by the Executive Committee of the Waukesha County Board and on file in the offices of the Waukesha County Board, is adopted.

EXECUTIVE COMMITTEE RECOMMENDED 2011-2015 CAPITAL PROJECTS PLAN

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#	PROJECT TITLE	NO.	BUDGET ACTION	2011 MODIFIED	2011 CO EXEC	2011 CO BRD	2012 ADOPTED	2012 CO EXEC	2012 CO BRD	2013 ADOPTED	2013 CO EXEC	2013 CO BRD	2014 ADOPTED	2014 CO EXEC	2014 CO BRD	2015 CO EXEC	2015 CO BRD
<b>PUBLIC WORKS - BUILDINGS</b>																	
1	HEALTH & HUMAN SERVICES BLDG	200615	C-Scope, C-Cash Flow Update	\$1,669,000	\$3,616,500	\$3,616,500	\$13,961,000	\$15,961,000	\$15,961,000	\$18,800,000	\$14,800,000	\$14,800,000	\$2,000,000	\$2,000,000	\$2,000,000		
2	JUVENILE CENTER BOILER/CONTROLS	200706	As Planned	\$200,000	\$200,000	\$200,000											
3	NORTHVIEW UPGRADES	200708	As Planned	\$2,160,000	\$2,160,000	\$2,160,000											
5	LAW ENFORCE CNTR ROOFING REPLACEMENT	201107	New		\$380,000	\$380,000											
6	HIGHWAY SUBSTATION ROOFING UPGRADES	201108	New		\$15,000	\$15,000		\$568,000	\$568,000								
7	HIGHWAY SUBSTATION HVAC UPGRADES	201109	New								\$12,000	\$12,000			\$24,000	\$24,000	\$555,000
8	ADMINISTRATION CENTER ROOFING UPGRADES	201113	New											\$11,000	\$11,000	\$211,000	\$211,000
<b>EMERGENCY PREPAREDNESS</b>																	
9	COMMUNICATIONS CENTER EXPANSION	200808	C-Scope, \$ Update										\$20,000	\$20,000	\$20,000	\$1,090,000	\$1,090,000
<b>UW-Waukesha</b>																	
10	UWW BOILER, CHILLER & CONTROLS REPLACEMENT	200902	As Planned	\$20,000	\$20,000	\$20,000	\$110,000	\$110,000	\$110,000	\$1,550,000	\$1,550,000	\$1,550,000	\$1,410,000	\$1,410,000	\$1,410,000		
<b>PUBLIC WORKS - HIGHWAYS</b>																	
11	CTH VV, CTH Y to MARCY RD	200608	As Planned	\$600,000	\$600,000	\$600,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,902,000	\$1,902,000	\$1,902,000					
12	CTH CW, ASHIPUN RIVER BRIDGE	200810	As Planned	\$133,400	\$133,400	\$133,400											
13	CTH F REHABILITATION (I-94- STH 190)	200905	As Planned				\$395,000	\$395,000	\$395,000	\$855,000	\$855,000	\$855,000					
14	CTH NN, STH 83 to CTH ES	201006	As Planned							\$288,000	\$288,000	\$288,000	\$818,000	\$818,000	\$818,000	\$580,000	\$580,000
15	CTH O, CTH HH TO GRANGE AVE.	201007	As Planned							\$351,000	\$351,000	\$351,000	\$65,000	\$65,000	\$65,000	\$797,000	\$797,000
16	CTH VV, MARCY-BETTE DRIVE	9707	C-\$ Update		\$871,000	\$871,000											
17	CTH X, STH 59 HARRIS HIGHLANDS	9904	C-\$ Update		\$338,000	\$338,000											
18	CTH P, BARK RIVER BRIDGE	200906	C-\$ Update		\$137,600	\$137,600											
19	WAUKESHA WEST BYPASS	200917	C-Cash Flow Update	\$3,000,000	\$2,000,000	\$2,000,000	\$720,000	\$1,720,000	\$1,720,000								
20	CTH L, CTH Y to Moorland Road	200011	C-\$ Update: C-Cash Flow Update	\$4,000,000	\$900,000	\$900,000	\$5,520,000	\$7,520,000	\$7,520,000	\$850,000	\$850,000	\$850,000					
21	CTH D, CALHOUN -INTERSECTION	200511	C-\$ Update	\$900,000	\$1,100,000	\$1,100,000											
22	CTH ES, Fox River Bridge	201004	C-\$ Update				\$120,000	\$150,000	\$150,000	\$176,000	\$176,000	\$176,000	\$1,085,000	\$868,000	\$868,000	\$2,400,000	\$2,400,000
23	CTH M, CTH YY to East County Line	201008	C-\$ Update														
24	CHT I, CTH ES to CTH O REHAB	201005	New													\$293,000	\$293,000
25	CTH C, MILL STREET TO OAKWOOD ROAD	201116	New										\$130,000	\$130,000		\$83,000	\$83,000
26	BRIDGE AID PROGRAM	9131	As Planned	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27	CULVERT REPLACEMENT PROGRAM	9817	As Planned	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
28	SIGNAL/SAFETY IMPROVEMENTS	200427	As Planned	\$500,000	\$500,000	\$500,000	\$1,100,000	\$1,100,000	\$1,100,000	\$0	\$0	\$0	\$1,200,000	\$1,200,000	\$1,200,000	\$2,250,000	\$2,250,000
29	REPAVING PROGRAM 2009-2012	200509	As Planned	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000								
30	REPAVING PROGRAM 2013-2017	200911	C-\$ Update							\$1,000,000	\$1,000,000	\$1,000,000	\$2,950,000	\$2,950,000	\$2,950,000	\$5,000,000	\$5,000,000
<b>PUBLIC WORKS AIRPORT</b>																	
31	MASTER PLAN UPDATE	200804	As Planned				\$65,000	\$65,000	\$65,000								
32	AIRPORT FACILITY UPGRADES	201118	New								\$11,000	\$11,000	\$0	\$31,000	\$31,000	\$539,000	\$539,000
<b>PARKS AND LAND USE</b>																	
33	ORTHO PHOTOGRAPHY	201119	New													\$400,000	\$400,000
34	EXPOSITION CENTER ARENA ROOF	200802	As Planned	\$435,000	\$435,000	\$435,000											
35	PARKS RESTROOM RENOVATION	200505	As Planned	\$660,000	\$660,000	\$660,000	\$680,000	\$680,000	\$680,000	\$700,000	\$700,000	\$700,000	\$540,000	\$540,000	\$540,000		
36	ENERGY EFFICIENCY AND CONSERVATION FED ARRA	200918	As Planned	\$160,000	\$160,000	\$160,000											
37	BIKEWAY PAVEMENT IMPROVEMENTS	200014	C-Delay; C-\$ Update	\$704,000	\$80,000	\$80,000		\$704,000	\$704,000								
38	PAVEMENT MANAGEMENT PLAN	200824	C-\$ Update	\$480,000	\$500,000	\$500,000	\$480,000	\$500,000	\$500,000	\$480,000	\$500,000	\$500,000	\$460,000	\$500,000	\$500,000	\$500,000	\$500,000
39	MENOMONEE MAIN BLDG DEMOLITION	201106	New													\$325,000	\$325,000

EXECUTIVE COMMITTEE RECOMMENDED 2011-2015 CAPITAL PROJECTS PLAN

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#	PROJECT TITLE	10/4/10 8:23 AM	NO.	BUDGET ACTION	2011 MODIFIED	2011 CO EXEC	2011 CO BRD	2012 ADOPTED	2012 CO EXEC	2012 CO BRD	2013 ADOPTED	2013 CO EXEC	2013 CO BRD	2014 ADOPTED	2014 CO EXEC	2014 CO BRD	2015 CO EXEC	2015 CO BRD	
<b>IT-COURTS</b>																			
40	UPDATE & INTEGRATE CRTM TECHNOLOGY		200915	As Planned	\$485,000	\$485,000	\$485,000												
<b>IT-EMERGENCY PREPAREDNESS</b>																			
41	DIGITAL RADIO SYSTEM UPGRADE		200815	As Planned	\$7,000	\$7,000	\$7,000	\$70,000	\$70,000	\$70,000	\$775,000	\$775,000	\$775,000	\$8,663,000	\$8,663,000	\$8,663,000			
42	9-1-1 PHONE SYSTEM		201101	New		\$25,000	\$25,000		\$1,075,000	\$1,075,000									
43	WCC CONSOLE RADIO EQUIPMENT		201102	New					\$100,000	\$100,000					\$900,000	\$900,000			
<b>TECHNOLOGY PROJECTS</b>																			
44	FINANCIAL OPS & MGMT SYS		200619	As Planned	\$1,260,000	\$1,260,000	\$1,260,000	\$580,000	\$580,000	\$580,000									
45	RE-ENGINEERING IT INFRASTRUCTURE		200624	C-Scope	\$0	\$0	\$0												
46	ENTERPRISE CONTENT MANAGEMENT		200910	C-Scope	\$290,000	\$290,000	\$290,000												
47	WORKFORCE MANAGEMENT SYSTEM		200912	C-Scope; C-\$ UPDATE	\$0	\$150,000	\$150,000	\$200,000	\$200,000										
48	IMPLEMENT HHS AUTOMATED SYSTEM		200109	C-\$ Update	\$0	\$500,000	\$500,000												
49	ROD ELECTRONIC RECORD REDACTION		201117	New		\$350,000	\$350,000	\$200,000	\$200,000										
<b>EST. FINANCING (Includes Arb Rebate/Discount)</b>					999999		\$110,000	\$110,000	\$110,000	\$130,000	\$140,000	\$140,000	\$140,000	\$130,000	\$130,000	\$115,000	\$115,000	\$115,000	\$115,000
<b>GROSS EXPENDITURES</b>						\$20,004,400	\$20,232,500	\$20,232,500	\$27,111,000	\$35,038,000	\$35,038,000	\$27,947,000	\$24,000,000	\$24,000,000	\$19,426,000	\$20,345,000	\$20,345,000	\$15,238,000	\$15,238,000
Change from Adopted/Co Exec Plan							\$228,100	\$0	\$7,927,000	\$0		-\$3,947,000	\$0		\$919,000	\$0		\$0	
<b>LESS REVENUES: (Excludes investment income earned on debt issue)</b>																			
1	REGISTER OF DEEDS ELECTRONIC RECORD REDACTION #201117					\$350,000	\$350,000		\$200,000	\$200,000									
2	AIRPORT FUND BALANCE #200804; 201118							\$65,000	\$65,000	\$65,000		\$11,000	\$11,000		\$31,000	\$31,000	\$539,000	\$539,000	
3	RADIO SERVICES FUND BALANCE # 200815 Trunk Radio System Upgrade				\$7,000	\$7,000	\$7,000	\$70,000	\$70,000	\$70,000	\$387,500	\$387,500	\$387,500	\$1,212,500	\$1,212,500	\$1,212,500			
4	GENERAL FUND LOANS TO PARTNERS # 200815 Trunk Radio System Upgrade													\$3,119,000	\$3,119,000	\$3,119,000			
5	END USER TECHNOLOGY FUND BALANCE #200910 Enterprise Content Management				\$290,000	\$290,000	\$290,000												
6	END USER TECHNOLOGY FUND BALANCE #200619 Financial Ops & Mgmt System				\$300,000	\$300,000	\$300,000	\$580,000	\$580,000	\$580,000									
7	STP -M Federal Revenue # 200917 Waukesha West Bypass				\$2,400,000	\$1,400,000	\$1,400,000		\$1,000,000	\$1,000,000									
8	CHIP D Revenue- 200427 Signals & Safety Improvements				\$500,000	\$500,000	\$500,000												
9	Local Reimbursement Project 200011, CTH L							\$1,150,000	\$1,150,000	\$1,150,000	\$850,000	\$850,000	\$850,000						
10	Energy Efficiency & Federal ARAA (Stimulus) Conservation Block Grant (EECBG) #20918				\$160,000	\$160,000	\$160,000												
11	STATE SHARED REVENUE					\$250,000	\$250,000												
12	PERSONAL PROPERTY REPLACEMENT-STATE AID					\$650,500	\$650,500												
13	GENERAL FUND BALANCE - Com Cen Equipment Reserve				\$25,000	\$25,000	\$25,000	\$0	\$1,175,000	\$1,175,000									
14	GENERAL FUND BALANCE - # 200912 Workforce Management System				\$150,000	\$150,000	\$150,000	\$200,000	\$200,000	\$200,000				\$900,000	\$900,000	\$900,000			
15	HEALTH & HUMAN SERVICES FUND BALANCE #200109 Hs Automated Sys					\$500,000	\$500,000												
16	CAPITAL PROJECT FUND BALANCE				\$3,000,000	\$2,750,000	\$2,750,000	\$5,150,000	\$6,650,000	\$6,650,000	\$3,650,000	\$2,650,000	\$2,650,000				\$0	\$0	
<b>Subtotal</b>						\$6,657,000	\$7,332,500	\$7,332,500	\$7,015,000	\$11,090,000	\$11,090,000	\$4,887,500	\$3,898,500	\$3,898,500	\$4,331,500	\$5,262,500	\$5,262,500	\$539,000	\$539,000
<b>Net Expenditures</b>						\$13,347,400	\$12,900,000	\$12,900,000	\$20,096,000	\$23,948,000	\$23,948,000	\$23,059,500	\$20,101,500	\$20,101,500	\$15,094,500	\$15,082,500	\$15,082,500	\$14,699,000	\$14,699,000
Change from Adopted/Co Exec Plan							-\$447,400	\$0	\$3,852,000	\$0		-\$2,958,000	\$0		-\$12,000	\$0		\$0	

EXECUTIVE COMMITTEE RECOMMENDED 2011-2015 CAPITAL PROJECTS PLAN

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PROJECT TITLE	10/5/10 3:17 PM	NO.	BUDGET ACTION	2011 MODIFIED	2011 CO EXEC	2011 CO BRD	2012 ADOPTED	2012 CO EXEC	2012 CO BRD	2013 ADOPTED	2013 CO EXEC	2013 CO BRD	2014 ADOPTED	2014 CO EXEC	2014 CO BRD	2015 CO EXEC	2015 CO BRD	Total 5 Yr Co Exec	Total 5 Yr Co Brd
	10/6/10			2011 MODIFIED	2011 CO EXEC	2011 CO BRD	2012 ADOPTED	2012 CO EXEC	2012 CO BRD	2013 ADOPTED	2013 CO EXEC	2013 CO BRD	2014 ADOPTED	2014 CO EXEC	2014 CO BRD	2015 CO EXEC	2015 CO BRD	Total 5 Yr Co Exec	Total 5 Yr Co Board
N:\PRCH-FIN\Budget\CAPDEBT11 Budget\PLAN11_co brd.xls\data			2010 MODIFIED	2011 MODIFIED	2011 CO EXEC	2011 CO BRD	2012 ADOPTED	2012 CO EXEC	2012 CO BRD	2013 ADOPTED	2013 CO EXEC	2013 CO BRD	2014 ADOPTED	2014 CO EXEC	2014 CO BRD	2015 CO EXEC	2015 CO BRD	Total 5 Yr Co Exec	Total 5 Yr Co Board
JUSTICE & PUBLIC SAFETY			3,809,000	\$743,000	\$768,000	\$768,000	\$70,000	\$1,245,000	\$1,245,000	\$775,000	\$775,000	\$775,000	\$9,683,000	\$9,583,000	\$9,583,000	\$1,090,000	\$1,090,000	\$13,461,000	\$13,461,000
HEALTH AND HUMAN SERVICES			250,000	\$1,669,000	\$3,616,500	\$3,616,500	\$13,961,000	\$15,961,000	\$15,961,000	\$18,800,000	\$14,800,000	\$14,800,000	\$2,000,000	\$2,000,000	\$2,000,000	\$0	\$0	\$36,377,500	\$36,377,500
PARKS, ENVIRONMENT, EDUCATION & LAND USE			1,999,000	\$2,419,000	\$1,835,000	\$1,835,000	\$1,140,000	\$1,884,000	\$1,884,000	\$1,160,000	\$1,200,000	\$1,200,000	\$1,000,000	\$1,040,000	\$1,040,000	\$1,225,000	\$1,225,000	\$7,184,000	\$7,184,000
PUBLIC WORKS																		\$0	\$0
ROADWAYS			6,019,000	\$8,633,400	\$6,078,000	\$6,078,000	\$7,955,000	\$10,985,000	\$10,985,000	\$4,422,000	\$4,422,000	\$4,422,000	\$1,968,000	\$1,881,000	\$1,881,000	\$4,153,000	\$4,153,000	\$27,519,000	\$27,519,000
ROADWAY MAJOR MAINT			4,050,000	\$2,500,000	\$2,500,000	\$2,500,000	\$3,100,000	\$3,100,000	\$3,100,000	\$1,100,000	\$1,100,000	\$1,100,000	\$4,250,000	\$4,250,000	\$4,250,000	\$7,350,000	\$7,350,000	\$18,300,000	\$18,300,000
Subtotal			10,069,000	\$11,133,400	\$8,578,000	\$8,578,000	\$11,055,000	\$14,085,000	\$14,085,000	\$5,522,000	\$5,522,000	\$5,522,000	\$6,218,000	\$5,131,000	\$5,131,000	\$11,503,000	\$11,503,000	\$45,819,000	\$45,819,000
WWW			0	\$20,000	\$20,000	\$20,000	\$110,000	\$110,000	\$110,000	\$1,550,000	\$1,550,000	\$1,550,000	\$1,410,000	\$1,410,000	\$1,410,000	\$0	\$0	\$3,090,000	\$3,090,000
FACILITIES			1,741,900	\$2,360,000	\$2,785,000	\$2,785,000	\$0	\$568,000	\$568,000	\$0	\$12,000	\$12,000	\$0	\$35,000	\$35,000	\$766,000	\$766,000	\$4,136,000	\$4,136,000
AIRPORT			250,000	\$0	\$0	\$0	\$65,000	\$65,000	\$65,000	\$0	\$11,000	\$11,000	\$0	\$31,000	\$31,000	\$539,000	\$539,000	\$646,000	\$646,000
Subtotal			12,060,900	\$13,513,400	\$11,353,000	\$11,353,000	\$11,230,000	\$14,828,000	\$14,828,000	\$7,072,000	\$7,095,000	\$7,095,000	\$7,628,000	\$7,607,000	\$7,607,000	\$12,608,000	\$12,608,000	\$53,691,000	\$53,691,000
COUNTY-WIDE PROJECTS			1,124,500	\$1,550,000	\$2,550,000	\$2,550,000	\$580,000	\$980,000	\$980,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,530,000	\$3,530,000
FINANCING			110,000	\$110,000	\$110,000	\$110,000	\$130,000	\$140,000	\$140,000	\$140,000	\$130,000	\$130,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000	\$610,000	\$610,000
GROSS EXPENDITURES			19,353,400	\$20,004,400	\$20,232,500	\$20,232,500	\$27,111,000	\$35,038,000	\$35,038,000	\$27,947,000	\$24,000,000	\$24,000,000	\$19,426,000	\$20,345,000	\$20,345,000	\$15,238,000	\$15,238,000	\$114,853,500	\$114,853,500
REVENUES			6,473,400	\$6,657,000	\$7,332,500	\$7,332,500	\$7,015,000	\$11,090,000	\$11,090,000	\$4,887,500	\$3,898,500	\$3,898,500	\$4,331,500	\$5,262,500	\$5,262,500	\$539,000	\$539,000	\$28,122,500	\$28,122,500
NET EXPENDITURES			12,880,000	\$13,347,400.0	\$12,900,000	\$12,900,000	\$20,096,000	\$23,948,000	\$23,948,000	\$23,059,500	\$20,101,500	\$20,101,500	\$15,094,500	\$15,082,500	\$15,082,500	\$14,699,000	\$14,699,000	\$86,731,000	\$86,731,000
Change from Adopted/Co Exec Plan					(\$447,400)	\$0		\$3,852,000	\$0		(\$2,958,000)	\$0		(\$12,000)	\$0	\$0			

<b>Project #</b>	201006	<b>Project Title:</b>	CTH NN, STH 83 to CTH ES
<b>Department:</b>	Public Works – Highways	<b>Road Name:</b>	CTH NN
<b>Phase:</b>	Formation	<b>Project Type:</b>	Rehabilitation
<b>Budget Action:</b>	As Planned	<b>Manager:</b>	Allison Bussler, Director
<b>Date:</b>	October 6, 2010		

<b>CAPITAL BUDGET SUMMARY</b>				
Year	2013	2014	2015	Total
Project Phase	Design	Land	Const.	Project
Expenditure Budget	\$288,000	\$818,000	\$580,000	\$1,106,000
Revenue Budget	\$0	\$0	\$0	\$0
Net County Cost	\$288,000	\$818,000	\$580,000	\$1,106,000
<b>COST DOCUMENTATION</b>		<b>REVENUE</b>		
Design	\$288,000	Surface Transportation Program -		\$2,320,000
Land Acquisition	\$818,000	<b>Urban-Mukwonago</b>		
Construction	\$2,540,000			
Construction Management	\$255,000			
Contingency	\$105,000			
Total Project Cost	\$4,006,000	Total Revenue		\$2,320,000
<b>EXPENDITURE BUDGET</b>	\$1,686,000	<b>REVENUE BUDGET</b>		\$0

**Project Scope & Description**

Rehabilitate 1.1 miles of CTH "NN" to meet current design standards. Study providing a center left turn lane to replace the bypass lanes. Bring vertical geometry up to standard where warranted, improve side ditch and cross culvert drainage, rehabilitate the pavement and provide adequate shoulders. The project will make use of \$2,320,000 of STP-Urban-Mukwonago funds. A project agreement with the Wisconsin Department of Transportation will be needed for this project to proceed.

**Location**

Village of Mukwonago

**Analysis of Need**

This portion of CTH NN through Mukwonago carries 10,700 vehicles per day and is an arterial highway that links STH 83 to CTH ES and Holtz Drive and so acts as a STH 83 bypass around the east side of Mukwonago. There are two schools, which together with a number of business, subdivision and condominium driveways have left CTH NN with an odd mix of bypass lanes and turn lanes. The pavement is in poor condition with a pavement condition index of 32, also roadway ditches are poor to non existent and shoulders are below standard.

**Alternatives**

1. Do Nothing. This alternate does not address the identified deficiencies.
2. Rehabilitate/reconstruction of the existing roadway.

**Ongoing Operating Costs**

Operating costs may decrease in the early years following reconstruction.

**Previous Action**

Approved As Planned in 2010-2014 plan.

<b>Project #</b>	200815	<b>Project Title:</b>	Digital Radio System Upgrade
<b>Department:</b>	Emergency Preparedness	<b>Sponsor:</b>	Radio Services
<b>Phase:</b>	Budget & Concept	<b>Manager:</b>	Richard H. Tuma
<b>Budget Action:</b>	As Planned	<b>Date:</b>	October 6, 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	<u>\$7,000</u>	<u>\$70,000</u>	<u>\$387,500</u>	<u>\$4,331,500</u>	<u>\$4,796,000</u>
Net County Cost	\$0	\$0	\$387,500	\$4,331,500	\$4,719,000
<b>COST DOCUMENTATION</b>		<b>REVENUE</b>			
Design	\$57,000	Radio Services Fund Balance			\$77,000
Engineering	\$73,000	Municipal Sinking fund			\$1,600,000
Construction	\$8,941,000	County Loans to Municipal partners			\$3,119,000
Contingency	<u>\$444,000</u>	General Fund Balance of \$625,000 set aside per year beginning in 2010			
		County Share (Not included in total revenue)			\$4,719,000
Total Project Cost	\$9,515,000				
<b>EXPENDITURE BUDGET</b>	\$9,515,000	<b>REVENUE BUDGET</b>			\$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.

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

<b>CAPITAL BUDGET SUMMARY</b>					
Year	2010	2011	2012	2013	Total
Project Phase	<u>Design/Bidding</u>		<u>Implementation</u>		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

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

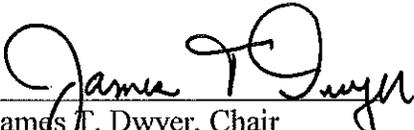
As with the current phone system, the Department would pay for maintenance on critical components and time and materials for less critical items. Current maintenance runs about \$35,000 for the maintenance contract and Time & Materials. We expect the new system to cost a little more in the area of \$40,000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

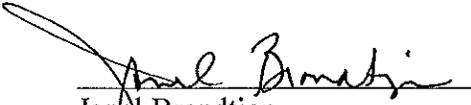
**Previous Action**

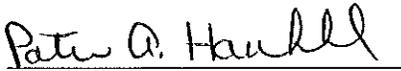
New project.

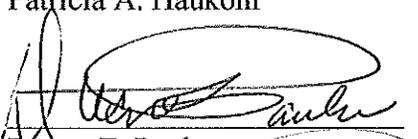
ADOPT FIVE-YEAR CAPITAL PROJECTS PLAN

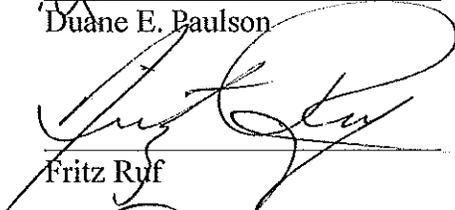
Presented by:  
Executive Committee

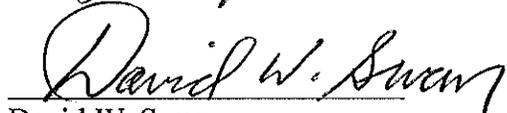
  
James T. Dwyer, Chair

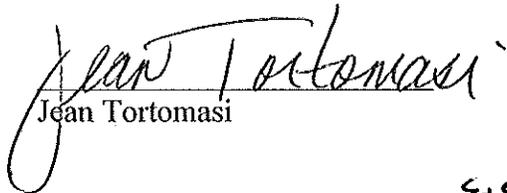
  
Janel Brandtjen

  
Patricia A. Haukohl

  
Duane E. Paulson

  
Fritz Ruf

  
David W. Swan

  
Jean Tortomasi

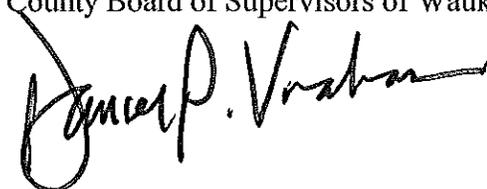
*Excluding Project #4*

The foregoing legislation adopted by the County Board of Supervisors of Waukesha County, Wisconsin, was presented to the County Executive on:

Date: Oct 27, 2010,   
Kathy Nickolaus, County Clerk

The foregoing legislation adopted by the County Board of Supervisors of Waukesha County, Wisconsin, is hereby:

Approved: X  
Vetoed: \_\_\_\_\_

Date: 11-1-10,   
Daniel P. Vrakas, County Executive

Capital Project Plan  
without Projects  
#1, #4 + #35

WAUKESHA COUNTY BOARD OF SUPERVISORS

V

DATE-10/26/10

<sup>Res</sup>  
~~(Ord)~~ NUMBER-1650003

- 1 D. FALSTAD.....
- 3 R. HUTTON.....AYE
- 5 J. JESKEWITZ.....
- 7 P. HAUKOHL.....AYE
- 9 J. HEINRICH.....AYE
- 11 F. RUF.....AYE
- 13 P. DECKER.....AYE
- 15 P. MEYERS.....AYE
- 17 J. TORTOMASI.....AYE
- 19 S. WIMMER.....AYE
- 21 W. ZABOROWSKI.....AYE
- 23 K. CHIAVEROTTI.....AYE
- 25 G. YERKE.....AYE

- 2 T. ROLFS.....
- 4 J. DWYER.....AYE
- 6 J. BRANDTJEN.....NAY
- 8 T. SCHELLINGER.....AYE
- 10 D. SWAN.....AYE
- 12 P. WOLFF.....AYE
- 14 M. INDA.....AYE
- 16 D. PAULSON.....AYE
- 18 K. CUMMINGS.....AYE
- 20 P. JASKE.....AYE
- 22 P. GUNDRUM.....AYE
- 24 W. KOLB.....AYE

TOTAL AYES-21

TOTAL NAYS-01

CARRIED   ✓  

DEFEATED       

UNANIMOUS       

TOTAL VOTES-22

Inclusion of Project #1  
in the Capital Projects Plan

WAUKESHA COUNTY BOARD OF SUPERVISORS

V

DATE-10/26/10

<sup>Res</sup>  
~~(Ord)~~ NUMBER-1650003

- 1 D. FALSTAD.....
- 3 R. HUTTON.....NAY
- 5 J. JESKEWITZ.....
- 7 P. HAUKOHL.....AYE
- 9 J. HEINRICH.....AYE
- 11 F. RUF.....AYE
- 13 P. DECKER.....AYE
- 15 P. MEYERS.....AYE
- 17 J. TORTOMASI.....AYE
- 19 S. WIMMER.....AYE
- 21 W. ZABOROWSKI.....AYE
- 23 K. CHIAVEROTTI.....AYE
- 25 G. YERKE.....AYE

- 2 T. ROLFS.....
- 4 J. DWYER.....AYE
- 6 J. BRANDTJEN.....AYE
- 8 T. SCHELLINGER.....AYE
- 10 D. SWAN.....AYE
- 12 P. WOLFF.....AYE
- 14 M. INDA.....AYE
- 16 D. PAULSON.....AYE
- 18 K. CUMMINGS.....AYE
- 20 P. JASKE.....AYE
- 22 P. GUNDRUM.....NAY
- 24 W. KOLB.....AYE

TOTAL AYES-20

TOTAL NAYS-02

CARRIED X

DEFEATED \_\_\_\_\_

UNANIMOUS \_\_\_\_\_

TOTAL VOTES-22

Project #4 in the  
Capital Projects Plan

WAUKESHA COUNTY BOARD OF SUPERVISORS

V

DATE-10/26/10

Res  
~~ORD~~ NUMBER-1650003

- |    |                       |    |                      |
|----|-----------------------|----|----------------------|
| 1  | D. FALSTAD.....       | 2  | T. ROLFS.....        |
| 3  | R. HUTTON.....NAY     | 4  | J. DWYER.....AYE     |
| 5  | J. JESKEWITZ.....     | 6  | J. BRANDTJEN.....AYE |
| 7  | P. HAUKOHL.....AYE    | 8  | T. SCHELLINGER...NAY |
| 9  | J. HEINRICH.....NAY   | 10 | D. SWAN.....AYE      |
| 11 | F. RUF.....AYE        | 12 | P. WOLFF.....NAY     |
| 13 | P. DECKER.....NAY     | 14 | M. INDA.....NAY      |
| 15 | P. MEYERS.....NAY     | 16 | D. PAULSON.....AYE   |
| 17 | J. TORTOMASI.....AYE  | 18 | K. CUMMINGS.....NAY  |
| 19 | S. WIMMER.....NAY     | 20 | P. JASKE.....NAY     |
| 21 | W. ZABOROWSKI.....NAY | 22 | P. GUNDRUM.....NAY   |
| 23 | K. CHIAVEROTTI...AYE  | 24 | W. KOLB.....NAY      |
| 25 | G. YERKE.....NAY      |    |                      |

TOTAL AYES-08

TOTAL NAYS-14

CARRIED\_\_\_\_\_

DEFEATED X

UNANIMOUS\_\_\_\_\_

TOTAL VOTES-22

Inclusion of Project #35  
in Capital Project Plan

WAUKESHA COUNTY BOARD OF SUPERVISORS

V

DATE-10/26/10

Res  
(ORD) NUMBER-1650003

- 1 D. FALSTAD.....
- 3 R. HUTTON.....NAY
- 5 J. JESKEWITZ.....
- 7 P. HAUKOHL.....AYE
- 9 J. HEINRICH.....AYE
- 11 F. RUF.....AYE
- 13 P. DECKER.....AYE
- 15 P. MEYERS.....NAY
- 17 J. TORTOMASI.....AYE
- 19 S. WIMMER.....AYE
- 21 W. ZABOROWSKI.....AYE
- 23 K. CHIAVEROTTI....AYE
- 25 G. YERKE.....AYE

- 2 T. ROLFS.....
- 4 J. DWYER.....AYE
- 6 J. BRANDTJEN.....AYE
- 8 T. SCHELLINGER....AYE
- 10 D. SWAN.....AYE
- 12 P. WOLFF.....NAY
- 14 M. INDA.....NAY
- 16 D. PAULSON.....AYE
- 18 K. CUMMINGS.....AYE
- 20 P. JASKE.....AYE
- 22 P. GUNDRUM.....NAY
- 24 W. KOLB.....NAY

TOTAL AYES-16

TOTAL NAYS-06

CARRIED X

DEFEATED \_\_\_\_\_

UNANIMOUS \_\_\_\_\_

TOTAL VOTES-22