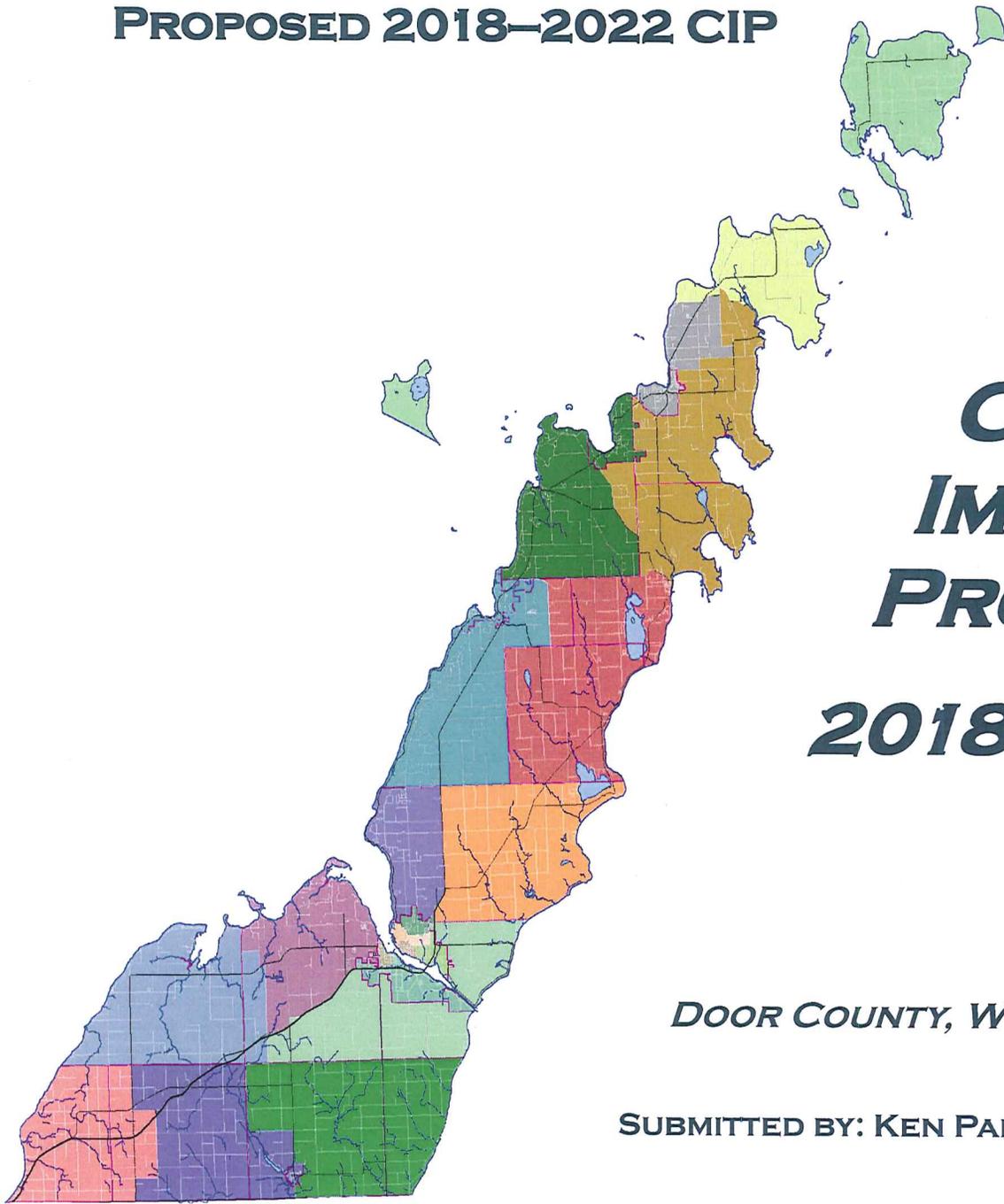


**PROPOSED 2018–2022 CIP**



***DOOR COUNTY  
CAPITAL  
IMPROVEMENTS  
PROGRAM  
2018 - 2022***

***DOOR COUNTY, WISCONSIN***

**SUBMITTED BY: KEN PABICH, COUNTY ADMINISTRATOR**

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## Capital Improvement Plan (C.I.P.) Introduction

The Door County Capital Improvements Program (C.I.P.) analyzes the County's capital asset needs and identifies major projects that enhance and support the County's ability to provide the needed services. Capital improvement projects are different from programs adopted in the operating budget; such projects often represent very large financial obligations, and may span two or more fiscal years. It is important that they be properly planned, budgeted and tracked. Because of the unique nature of capital improvements, the processes for preparing, prioritizing and presenting them are different from the operating budget. Capital improvement projects require additional information such as geographic location, multi-year funding sources and impact on the operating budget. The ability to forecast capital needs is becoming more complex, precise and expensive. The C.I.P. is a schedule of major County projects contemplated to be undertaken during the next five years.

### Objectives of the Capital Improvement Program

There are several objectives of the C.I.P.

1. A C.I.P. sets a realistic schedule of capital improvements that can be implemented within the limits of the County's financial resources.
2. It is a mechanism for departments to identify potential projects and provide justification for their need to the County Administrator. Projects can be evaluated from a long-term perspective rather than satisfying immediate needs.
3. The C.I.P. serves as a conduit of information from the various departments to the County Board.
4. It is a comprehensive document that not only provides continuity in financial decisions but connects long-term planning to the annual budget process for major projects.
5. The C.I.P. will help to stabilize the tax levy over time and effectively match future expenditures with the capacity to pay for them in a given time frame.
6. Improving public awareness about future needs is another valuable objective of a C.I.P.

### Capital Improvements Projects Defined

For the purposes of the C.I.P., a capital asset *to be included* in a C.I.P. is defined as:

1. an expenditure that is for a County department or operation;
2. generally non-recurring;
3. has a cost over **\$50,000**;
4. has a service life of **five (5)** years or greater.

### **Goals and Expectations of the C.I.P.**

The most important issue faced by the County is the maintenance of a balance between operational expenditures and capital expenditures. The County needs to protect its investment in buildings, equipment, infrastructure, and land improvements, which totaled \$160,204,229 as of December 31, 2016. In the past, capital projects may have been deferred to supplement the operating budget. There is recognition that the two portions of the budget, operating and capital, are of equal importance to the County. There are legitimate needs that will not be funded through the normal budget process. It is the purpose of the C.I.P. to develop a funding mechanism within the scope of the adopted Capital Improvements Plan Policy and Procedures for these needs.

## **CAPITAL PROJECT COST SUMMARY BY FUNDING SOURCE AND YEAR**

This section contains the capital project costs summarized by funding for all five (5) years of the Capital Improvement Plan.

**Table 1**  
**Cost Summary by Funding Source and Year**  
**FY 2018**

<b>Project No.</b>	<b>2018 Project Name</b>	<b>Eligible for Long Term Financing</b>	<b>Eligible for Short Term Financing</b>	<b>Federal</b>	<b>State</b>	<b>Levy</b>	<b>Other*</b>	<b>TOTAL</b>
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\*Other funding could be Unassigned Fund Balance, Carryovers from Prior Years, DK funding, C.I.P. Excess Funds, City Share, County Roads & Bridges Fund, Donations. (see table 8)

**Airport**

1-53-01	North/South Runway Reconstruction ("Other" is unused C.I.P. funding for Airport Runway Reconstruction not used in 2016-2017)	-	-	-	-	-	150,000	150,000
1-53-02	Snow Removal Equipment Building/Maintenance Shop ("Other" is carryover from prior years)	-	-	-	-	-	75,000	75,000
1-53-03	Replace Airport/Parks Fuel Tanks <i>Scope of Project reduced</i>	-	-	-	-	75,000	-	75,000
		-	-	-	-	-	<b>225,000</b>	<b>225,000</b>

**Highway**

1-33-01	CTH J (CTH XC-Mill Road)	-	-	-	125,000	633,132	-	758,132
1-33-02	CTH C (STH 42/57-Elm Road)	-	-	2,214,784	-	427,966	-	2,642,750
1-33-03	CTH T (600' N of Deer Path Lane-Glidden Drive)	-	-	-	-	989,986	-	989,986
1-33-04	CTH G (STH 42-STH 42 (Egg Harbor)	-	-	-	-	567,125	-	567,125
1-33-05	CTH D (CTH Y-Truway Road)	-	-	-	-	201,678	-	201,678
1-33-06	CTH Q (S.Dane Street-STH 57)	-	-	-	-	402,855	-	402,855
		-	-	-	-	-	-	-
	<i>Federal funding included in Fund #205.</i>	-	-	<b>2,214,784</b>	<b>125,000</b>	<b>3,222,742</b>	-	<b>5,562,526</b>

**Sheriff**

1-28-01	Jail Audio Upgrade	-	-	-	-	250,000	-	250,000
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**Information Systems**

1-13-01	Land Records Software Upgrade ("Other is funds from the Land Modernization Reserve)	-	-	-	-	-	225,000	225,000
1-13-02	Upgrade FOB System	-	-	-	-	76,400	-	76,400
1-13-03	Firewall Upgrade	-	-	-	-	91,000	-	91,000

**Table 1 - Continued**  
**Cost Summary by Funding Source and Year**  
**FY 2018**

Project No.	2018 Project Name	Eligible for Long Term Financing	Eligible for Short Term Financing	Federal	State	Levy	Other*	TOTAL
*Other funding could be Unassigned Fund Balance, Carryovers from Prior Years, DK funding, C.I.P. Excess Funds, City Share, County Roads & Bridges Fund, Donations. (see table 8)								
<b>Information Systems - Continued</b>						275,000		275,000
1-13-04	Storage for Video <i>Project to be split between 2018 &amp; 2019</i>	-	-	-	-	375,000	-	375,000
1-13-05	Simulcast Ops & Reprogramming <i>Project delayed until 2019</i>	-	-	-	-	320,000	-	320,000
						442,400	225,000	667,400
<b>Library</b>								
1-36-01	Replace Roof on Sturgeon Bay Library ("Other" is funds from City of Sturgeon Bay and carryover from prior year)	-	-	-	-	27,558	122,442	150,000
<b>Maintenance</b>								
1-37-01	County Facility Evaluation-Software Program	-	-	-	-	51,000	-	51,000
1-37-02	John Miles Park Stage <i>Deleted at recommendation of County Administrator &amp; Finance Committee</i>	-	-	-	-	100,000	-	100,000
1-37-03	John Miles Park Paving Midway ("Other" is unused Non C.I.P. funding for John Miles Park not used in 2017)	-	-	-	-	165,200	35,000	200,200
						216,200	35,000	251,200
<b>Administration</b>						300,000		300,000
1-49-01	Remodel Government Center <i>Project to be split between 2018 &amp; 2019</i>	-	-	-	-	1,000,000	-	1,000,000
						300,000	-	300,000
<b>Parks</b>								
1-34-01	Forestville Dam Millpond Improvement <i>Deleted for 2018 at recommendation of County Administrator &amp; Finance Committee</i>	-	-	-	-	50,000	-	50,000
1-34-02	Cana Island Restoration Project ("Other" is funds from the Cana Island Reserve Fund)	-	-	-	-	-	100,000	100,000
						-	100,000	100,000
<b>TOTAL - 2018 C.I.P.</b>		-	-	2,214,784	125,000	4,458,900	707,442	7,506,126
<i>2017 Adopted C.I.P.</i>		800,000	-	2,115,000	-	4,158,458	705,271	7,778,729
<b>2018 Over (Under) 2017 Adopted</b>		<b>(800,000)</b>	-	<b>99,784</b>	<b>125,000</b>	<b>300,442</b>	<b>2,171</b>	<b>(272,603)</b>
<b>% Increase 2018 over 2017</b>		-100%	0%	100%	-100%	7%	0%	-4%

**Table 2**  
**Cost Summary by Funding Source and Year**  
**FY 2019**

Project No.	2019 Project Name	Eligible for Long Term Financing	Eligible for Short Term Financing	Federal	State	Levy	Other*	TOTAL
<i>*Other funding could be Unassigned Fund Balance, Carryovers from Prior Years, DK funding, C.I.P. Excess Funds, City Share, County Roads &amp; Bridges Fund, Donations. (see table 8)</i>								
<b>Airport</b>								
1-53-03	Replace Airport/Parks Fuel Tanks	-	-	-	-	75,000	-	75,000
		-	-	-	-	<b>75,000</b>	-	<b>75,000</b>
<b>Highway</b>								
1-33-07	CTH J (STH 42-CTH O)	-	-	-	-	207,261	-	207,261
1-33-08	CTH C (Stevenson Pier-CTH PD)	-	-	-	-	1,563,612	-	1,563,612
1-33-09	CTH HH (Dunn Road-Old County OR)	-	-	-	-	345,419	-	345,419
1-33-10	CTH XC (CTH X-CTH J)	-	-	-	-	202,498	-	202,498
1-33-11	CTH A (CTH E-CTH F)	-	-	-	-	759,308	-	759,308
1-33-12	CTH V (CTH A-STH 57)	-	-	-	-	112,110	-	112,110
1-33-13	CTH X (CTH XC-Forest Drive)	-	-	-	-	379,511	-	379,511
		-	-	-	-	<b>3,569,719</b>	-	<b>3,569,719</b>
<b>Finance</b>								
1-48-01	Replace Time & Attendance/Payroll Processing Software	-	-	-	-	75,000	-	75,000
<b>Information Systems</b>								
1-13-04	Storage for Video <i>Project to be split between 2018 &amp; 2019</i>	-	-	-	-	100,000	-	100,000
1-13-05	Simulcast Ops & Reprogramming <i>Project moved from 2018 to 2019</i>	-	-	-	-	320,000	-	320,000
1-13-06	Egg Harbor/Carlsville Tower Project <i>Project delayed until 2020</i>	-	-	-	-	300,000	-	300,000
		-	-	-	-	<b>420,000</b>	-	<b>420,000</b>
<b>EMS</b>								
1-29-01	Washington Island Station	-	-	-	-	500,000	-	500,000
<b>Library</b>								
1-36-02	New Chiller ("Other" is funds from City of Sturgeon Bay)	-	-	-	-	42,920	42,920	85,840
<b>Maintenance</b>								
1-37-02	John Miles Park Stage <i>Deleted at recommendation of County Administrator &amp; Finance Committee</i>	-	-	-	-	88,000	-	88,000
<b>Administration</b>								
1-49-01	Remodel Government Center <i>Project to be split between 2018 &amp; 2019</i>	-	-	-	-	200,000	-	200,000
<b>Parks</b>								
1-34-01	Forestville Dam Millpond Improvement	-	-	-	-	50,000	-	50,000
1-34-02	Cana Island Restoration Project ("Other" is funds from the Cana Island Reserve Fund)	-	-	-	-	-	100,000	100,000
		-	-	-	-	50,000	100,000	150,000
<b>TOTAL</b>		-	-	-	-	4,932,639	142,920	5,075,569

**Table 3**  
**Cost Summary by Funding Source and Year**  
**FY 2020**

Project No.	2020 Project Name	Eligible for Long Term Financing	Eligible for Short Term Financing	Federal	State	Levy	Other*	TOTAL
<b>Airport</b>								
1-53-02	Snow Removal Equipment Building/Maintenance Shop	-	-	-	460,000	40,000	-	500,000
		-	-	-	<b>460,000</b>	<b>40,000</b>	-	<b>500,000</b>
<b>Highway</b>								
1-33-14	CTH J (Carnot Road-CTH U)	-	-	-	-	370,610	-	370,610
1-33-15	CTH A (CTH E-CTH V)	-	-	1,357,753	-	452,584	-	1,810,337
1-33-16	CTH U (Salona Road-City Limits)	-	-	-	-	1,001,643	-	1,001,643
1-33-17	CTH SB (May Road-CTH M)	-	-	-	-	259,534	-	259,534
1-33-18	CTH K (CTH N-CTH C)	-	-	-	-	506,244	-	506,244
1-33-19	CTH C (Stevenson Pier-Charleys Road)	-	-	-	325,000	735,025	-	1,060,025
1-33-20	CTH M (CTH C-Hainesville Road)	-	-	-	125,000	165,038	-	290,038
		-	-	<b>1,357,753</b>	<b>450,000</b>	<b>3,490,678</b>	-	<b>5,298,431</b>
<b>Information Systems</b>								
1-13-06	Egg Harbor/Carlsville Tower Project <span style="color: red;">Project moved from 2019 to 2020</span>	-	-	-	-	<span style="color: red;">300,000</span>	-	<span style="color: red;">300,000</span>
<b>Sheriff</b>								
1-28-02	Replacement of Mobile & Portable Radios	-	-	-	-	236,190	-	236,190
<b>Library</b>								
1-36-03	New Boiler ("Other" is funds from City of Sturgeon Bay)	-	-	-	-	28,500	28,500	57,000
<b>Parks</b>								
1-34-01	Forestville Dam Millpond Improvement	-	-	-	-	75,000	-	75,000
1-34-02	Cana Island Restoration Project ("Other" is funds from the Cana Island Reserve Fund)	-	-	-	-	-	100,000	100,000
		-	-	-	-	<b>75,000</b>	<b>100,000</b>	<b>175,000</b>
<b>TOTAL</b>		-	-	1,357,753	910,000	4,170,368	128,500	6,566,621

**Table 4**  
**Cost Summary by Funding Source and Year**  
**FY 2021**

Project No.	2021 Project Name	Eligible for Long Term Financing	Eligible for Short Term Financing	Federal	State	Levy	Other	TOTAL
<i>*Other funding could be Unassigned Fund Balance, Carryovers from Prior Years, DK funding, C.I.P. Excess Funds, City Share, County Roads &amp; Bridges Fund, Donations. (see table 8)</i>								
<b>Highway</b>								
1-33-21	CTH C (CTH PD-N.Duluth Ave)	-	-	-	-	339,296	-	339,296
1-33-22	CTH A (CTH F-STH 42)	-	-	-	-	579,787	-	579,787
1-33-23	CTH MM (STH 42/57-CTH C)	-	-	-	-	427,173	-	427,173
1-33-24	CTH C (CTH DK-East Gardner Road)	-	-	-	-	553,674	-	553,674
1-33-25	CTH S (Maplewood Road-Wilson Road)	-	-	-	-	753,103	-	753,103
1-33-26	CTH Q (Sunset Drive-Winding Lane)	-	-	-	-	978,272	-	978,272
		-	-	-	-	<b>3,631,305</b>	-	<b>3,631,305</b>
<b>TOTAL</b>		-	-	-	-	3,631,305	-	3,631,305

**Table 5**  
**Cost Summary by Funding Source and Year**  
**FY 2022**

<b>Project No.</b>	<b>2022 Project Name</b>	<b>Eligible for Long Term Financing</b>	<b>Eligible for Short Term Financing</b>	<b>Federal</b>	<b>State</b>	<b>Levy</b>	<b>Other</b>	<b>TOTAL</b>
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\*Other funding could be Unassigned Fund Balance, Carryovers from Prior Years, DK funding, C.I.P. Excess Funds, City Share, County Roads & Bridges Fund, Donations. (see table 8)

**Airport**

1-53-01	North/South Runway Reconstruction	-	-	3,800,000	-	50,000	-	3,850,000
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**Highway**

1-33-27	CTH X (Forest Road-STH 42)	-	-	-	125,000	374,405	-	499,405
1-33-28	CTH B (White Cedar Road-CTH G)	-	-	-	-	1,077,752	-	1,077,752
1-33-29	CTH U (S.of Lake Lane-Salona Road)	-	-	-	-	714,168	-	714,168
1-33-30	CTH V (CTH T-CTH A)	-	-	-	-	654,654	-	654,654
1-33-31	CTH Q (STH 42-Winding Lane)	-	-	-	-	684,029	-	684,029
		-	-	-	<b>125,000</b>	<b>3,505,008</b>	-	<b>3,630,008</b>

**EMS**

1-29-02	Jacksonport/Egg Harbor EMS Station	-	-	-	-	500,000	-	500,000
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<b>TOTAL</b>		-	-	3,800,000	125,000	4,055,008	-	7,980,008
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## **CAPITAL PROJECT COST SUMMARY BY YEAR FOR ALL YEARS**

This section contains the capital project costs summarized by year for all five (5) years of the Capital Improvement Plan. The last page of this summary also gives a snapshot short summary by funding source.

**Table 6  
Capital Project Cost Summary by Year**

<b>Project No.</b>	<b>Project Name</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>PROJECT TOTAL</b>
<b>Airport</b>							
1-53-01	North/South Runway Reconstruction	150,000	-	-	-	3,850,000	4,000,000
1-53-02	Snow Removal Equipment Building/Maintenance Shop	75,000	-	500,000	-	-	575,000
1-53-03	Replace Airport/Parks Fuel Tanks		75,000	-	-	-	75,000
		<b>225,000</b>	<b>75,000</b>	<b>500,000</b>	<b>-</b>	<b>3,850,000</b>	<b>4,650,000</b>
<b>Highway</b>							
1-33-01	CTH J (CTH XC-Mill Road)	758,132	-	-	-	-	758,132
1-33-02	CTH C (STH 42/57-Elm Road)	2,642,750	-	-	-	-	2,642,750
1-33-03	CTH T (600' N of Deer Path Lane-Glidden Drive)	989,986	-	-	-	-	989,986
1-33-04	CTH G (STH 42-STH 42 (Egg Harbor)	567,125	-	-	-	-	567,125
1-33-05	CTH D (CTH Y-Truway Road)	201,678	-	-	-	-	201,678
1-33-06	CTH Q (S.Dane Street-STH 57)	402,855	-	-	-	-	402,855
1-33-07	CTH J (STH 42-CTH O)	-	207,261	-	-	-	207,261
1-33-08	CTH C (Stevenson Pier-CTH PD)	-	1,563,612	-	-	-	1,563,612
1-33-09	CTH HH (Dunn Road-Old County OR)	-	345,419	-	-	-	345,419
1-33-10	CTH XC (CTH X-CTH J)	-	202,498	-	-	-	202,498
1-33-11	CTH A (CTH E-CTH F)	-	759,308	-	-	-	759,308
1-33-12	CTH V (CTH A-STH 57)	-	112,110	-	-	-	112,110
1-33-13	CTH X (CTH XC-Forest Drive)	-	379,511	-	-	-	379,511
1-33-14	CTH J (Carnot Road-CTH U)	-	-	370,610	-	-	370,610
1-33-15	CTH A (CTH E-CTH V)	-	-	1,810,337	-	-	1,810,337
1-33-16	CTH U (Salona Road-City Limits)	-	-	1,001,643	-	-	1,001,643
1-33-17	CTH SB (May Road-CTH M)	-	-	259,534	-	-	259,534
1-33-18	CTH K (CTH N-CTH C)	-	-	506,244	-	-	506,244
1-33-19	CTH C (Stevenson Pier-Charleys Road)	-	-	1,060,025	-	-	1,060,025
1-33-20	CTH M (CTH C-Hainesville Road)	-	-	290,038	-	-	290,038
1-33-21	CTH C (CTH PD-N.Duluth Ave)	-	-	-	339,296	-	339,296
1-33-22	CTH A (CTH F-STH 42)	-	-	-	579,787	-	579,787
1-33-23	CTH MM (STH 42/57-CTH C)	-	-	-	427,173	-	427,173
1-33-24	CTH C (CTH DK-East Gardner Road)	-	-	-	553,674	-	553,674

**Table 6  
Capital Project Cost Summary by Year**

<b>Project No.</b>	<b>Project Name</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>PROJECT TOTAL</b>
<b>Highway - Continued</b>							
1-33-25	CTH S (Maplewood Road-Wilson Road)	-	-	-	753,103	-	753,103
1-33-26	CTH Q (Sunset Drive-Winding Lane)	-	-	-	978,272	-	978,272
1-33-27	CTH X (Forest Road-STH 42)	-	-	-	-	499,405	499,405
1-33-28	CTH B (White Cedar Road-CTH G)	-	-	-	-	1,077,752	1,077,752
1-33-29	CTH U (S.of Lake Lane-Salona Road)	-	-	-	-	714,168	714,168
1-33-30	CTH V (CTH T-CTH A)	-	-	-	-	654,654	654,654
1-33-31	CTH Q (STH 42-Winding Lane)	-	-	-	-	684,029	684,029
		<b>5,562,526</b>	<b>3,569,719</b>	<b>5,298,431</b>	<b>3,631,305</b>	<b>3,630,008</b>	<b>21,691,989</b>
<b>Sheriff</b>							
1-28-01	Jail Audio Upgrade	250,000	-	-	-	-	250,000
1-28-02	Replacement of Mobile & Portable Radios	-	-	236,190	-	-	236,190
		<b>250,000</b>	<b>-</b>	<b>236,190</b>	<b>-</b>	<b>-</b>	<b>486,190</b>
<b>Emergency Services</b>							
1-29-01	Washington Island Ambulance Station	-	500,000	-	-	-	500,000
1-29-02	Jacksonport/Egg Harbor EMS Station	-	-	-	-	500,000	500,000
		<b>-</b>	<b>500,000</b>	<b>-</b>	<b>-</b>	<b>500,000</b>	<b>1,000,000</b>
<b>Finance</b>							
1-48-01	Replace Time & Attendance/Payroll Processing Software	-	75,000	-	-	-	75,000
		<b>-</b>	<b>75,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>75,000</b>
<b>Information Systems</b>							
1-13-01	Land Records Software	225,000	-	-	-	-	225,000
1-13-02	Upgrade FOB System	76,400	-	-	-	-	76,400
1-13-03	Firewall Upgrade	91,000	-	-	-	-	91,000
1-13-04	Storage for Video	275,000	100,000	-	-	-	375,000
1-13-05	Simulcast Ops & Reprogramming	-	320,000	-	-	-	320,000
1-13-06	Egg Harbor/Carlsville Tower Project	-	-	300,000	-	-	300,000
		<b>667,400</b>	<b>420,000</b>	<b>300,000</b>	<b>-</b>	<b>-</b>	<b>1,387,400</b>

**Table 6  
Capital Project Cost Summary by Year**

<b>Project No.</b>	<b>Project Name</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>PROJECT TOTAL</b>
<b>Library</b>							
1-13-01	Replace Roof on Sturgeon Bay Library	150,000	-	-	-	-	150,000
1-13-02	New Chiller	-	85,840	-	-	-	85,840
1-13-03	New Boiler		-	57,000	-	-	57,000
		<b>150,000</b>	<b>85,840</b>	<b>57,000</b>	-	-	<b>292,840</b>
<b>Maintenance</b>							
1-37-01	County Facility Evaluation-Software Program	51,000	-	-	-	-	51,000
1-37-02	John Miles Park Stage <i>Project Deleted</i>	-	-	-	-	-	-
1-37-03	John Miles Park Paving Midway	200,200	-	-	-	-	200,200
		<b>251,200</b>	-	-	-	-	<b>251,200</b>
<b>Administration</b>							
1-49-01	Remodel Government Center	300,000	200,000	-	-	-	500,000
<b>Parks</b>							
1-34-01	Forestville Dam Millpond Improvement		50,000	75,000	-	-	125,000
1-34-02	Cana Island Restoration Project	100,000	100,000	100,000	-	-	300,000
		<b>100,000</b>	<b>150,000</b>	<b>175,000</b>	-	-	<b>425,000</b>
<b>TOTAL</b>		<b>7,506,126</b>	<b>5,075,559</b>	<b>6,566,621</b>	<b>3,631,305</b>	<b>7,980,008</b>	<b>30,759,619</b>

**Table 7**  
**Capital Project Cost Summary by Funding Source**  
**All Years**

<b>Project No.</b>	<b>Project Name</b>	<b>Eligible for Long Term Financing</b>	<b>Eligible for Short Term Financing</b>	<b>Federal</b>	<b>State</b>	<b>Levy</b>	<b>Other/ Undesig.</b>	<b>TOTAL COST</b>
<b>Airport</b>								
1-53-01	North/South Runway Reconstruction	-	-	3,800,000	-	50,000	150,000	4,000,000
1-53-02	Snow Removal Equipment Building/Maintenance Sho	-	-	-	460,000	40,000	75,000	575,000
1-53-03	Replace Airport/Parks Fuel Tanks	-	-	-	-	75,000	-	75,000
		-	-	<b>3,800,000</b>	<b>460,000</b>	<b>165,000</b>	<b>225,000</b>	<b>4,650,000</b>
<b>Highway</b>								
1-33-01	CTH J (CTH XC-Mill Road)	-	-	-	125,000	633,132	-	758,132
1-33-02	CTH C (STH 42/57-Elm Road)	-	-	2,214,784	-	427,966	-	2,642,750
1-33-03	CTH T (600' N of Deer Path Lane-Glidden Drive)	-	-	-	-	989,986	-	989,986
1-33-04	CTH G (STH 42-STH 42 (Egg Harbor)	-	-	-	-	567,125	-	567,125
1-33-05	CTH D (CTH Y-Truway Road)	-	-	-	-	201,678	-	201,678
1-33-06	CTH Q (S.Dane Street-STH 57)	-	-	-	-	402,855	-	402,855
1-33-07	CTH J (STH 42-CTH O)	-	-	-	-	207,261	-	207,261
1-33-08	CTH C (Stevenson Pier-CTH PD)	-	-	-	-	1,563,612	-	1,563,612
1-33-09	CTH HH (Dunn Road-Old County OR)	-	-	-	-	345,419	-	345,419
1-33-10	CTH XC (CTH X-CTH J)	-	-	-	-	202,498	-	202,498
1-33-11	CTH A (CTH E-CTH F)	-	-	-	-	759,308	-	759,308
1-33-12	CTH V (CTH A-STH 57)	-	-	-	-	112,110	-	112,110
1-33-13	CTH X (CTH XC-Forest Drive)	-	-	-	-	379,511	-	379,511
1-33-14	CTH J (Carnot Road-CTH U)	-	-	-	-	370,610	-	370,610
1-33-15	CTH A (CTH E-CTH V)	-	-	1,357,753	-	452,584	-	1,810,337
1-33-16	CTH U (Salona Road-City Limits)	-	-	-	-	1,001,643	-	1,001,643
1-33-17	CTH SB (May Road-CTH M)	-	-	-	-	259,534	-	259,534
1-33-18	CTH K (CTH N-CTH C)	-	-	-	-	506,244	-	506,244
1-33-19	CTH C (Stevenson Pier-Charleys Road)	-	-	-	325,000	735,025	-	1,060,025
1-33-20	CTH M (CTH C-Hainesville Road)	-	-	-	125,000	165,038	-	290,038
1-33-21	CTH C (CTH PD-N.Duluth Ave)	-	-	-	-	339,296	-	339,296
1-33-22	CTH A (CTH F-STH 42)	-	-	-	-	579,787	-	579,787
1-33-23	CTH MM (STH 42/57-CTH C)	-	-	-	-	427,173	-	427,173
1-33-24	CTH C (CTH DK-East Gardner Road)	-	-	-	-	553,674	-	553,674

**Table 7**  
**Capital Project Cost Summary by Funding Source**  
**All Years**

<b>Project No.</b>	<b>Project Name</b>	<b>Eligible for Long Term Financing</b>	<b>Eligible for Short Term Financing</b>	<b>Federal</b>	<b>State</b>	<b>Levy</b>	<b>Other/ Undesig.</b>	<b>TOTAL COST</b>
<b>Highway - Continued</b>								
1-33-25	CTH S (Maplewood Road-Wilson Road)	-	-	-	-	753,103	-	753,103
1-33-26	CTH Q (Sunset Drive-Winding Lane)	-	-	-	-	978,272	-	978,272
1-33-27	CTH X (Forest Road-STH 42)	-	-	-	125,000	374,405	-	499,405
1-33-28	CTH B (White Cedar Road-CTH G)	-	-	-	-	1,077,752	-	1,077,752
1-33-29	CTH U (S.of Lake Lane-Salona Road)	-	-	-	-	714,168	-	714,168
1-33-30	CTH V (CTH T-CTH A)	-	-	-	-	654,654	-	654,654
1-33-31	CTH Q (STH 42-Winding Lane)	-	-	-	-	684,029	-	684,029
		-	-	3,572,537	700,000	17,419,452	-	21,691,989
<b>Sheriff</b>								
1-28-01	Jail Audio Upgrade	-	-	-	-	250,000	-	250,000
1-28-02	Replacement of Mobile & Portable Radios	-	-	-	-	236,190	-	236,190
		-	-	-	-	486,190	-	486,190
<b>Emergency Services</b>								
1-29-01	Washington Island Ambulance Station	-	-	-	-	500,000	-	500,000
1-29-02	Jacksonport/Egg Harbor EMS Station	-	-	-	-	500,000	-	500,000
		-	-	-	-	1,000,000	-	1,000,000
<b>Finance</b>								
1-48-01	Replace Time & Attendance/Payroll Processing Software	-	-	-	-	75,000	-	75,000
		-	-	-	-	75,000	-	75,000
<b>Information Systems</b>								
1-13-01	Land Records Software	-	-	-	-	-	225,000	225,000
1-13-02	Upgrade FOB System	-	-	-	-	76,400	-	76,400
1-13-03	Firewall Upgrade	-	-	-	-	91,000	-	91,000
1-13-04	Storage for Video	-	-	-	-	375,000	-	375,000
1-13-05	Simulcast Ops & Reprogramming	-	-	-	-	320,000	-	320,000
1-13-06	Egg Harbor/Carlsville Tower Project	-	-	-	-	300,000	-	300,000
		-	-	-	-	1,162,400	225,000	1,387,400

**Table 7**  
**Capital Project Cost Summary by Funding Source**  
**All Years**

<i>Project No.</i>	<i>Project Name</i>	<i>Eligible for Long Term Financing</i>	<i>Eligible for Short Term Financing</i>	<i>Federal</i>	<i>State</i>	<i>Levy</i>	<i>Other/ Undesig.</i>	<i>TOTAL COST</i>
<b>Library</b>								
1-13-01	Replace Roof on Sturgeon Bay Library	-	-	-	-	27,558	122,442	150,000
1-13-02	New Chiller	-	-	-	-	42,920	42,920	85,840
1-13-03	New Boiler	-	-	-	-	28,500	28,500	57,000
		-	-	-	-	<b>98,978</b>	<b>193,862</b>	<b>292,840</b>
<b>Maintenance</b>								
1-37-01	County Facility Evaluation-Software Program	-	-	-	-	51,000	-	51,000
1-37-02	John Miles Park Stage <span style="color: red;">Project Deleted</span>	-	-	-	-	-	-	-
1-37-03	John Miles Park Paving Midway	-	-	-	-	165,200	35,000	200,200
		-	-	-	-	<b>216,200</b>	<b>35,000</b>	<b>251,200</b>
<b>Administration</b>								
1-49-01	Remodel Government Center	-	-	-	-	500,000	-	500,000
<b>Parks</b>								
1-34-01	Forestville Dam Millpond Improvement	-	-	-	-	125,000	-	125,000
1-34-01	Cana Island Restoration Project	-	-	-	-	-	300,000	300,000
		-	-	-	-	<b>125,000</b>	<b>300,000</b>	<b>425,000</b>
<b>TOTAL</b>		-	-	<b>7,372,537</b>	<b>1,160,000</b>	<b>21,248,220</b>	<b>978,862</b>	<b>30,759,619</b>

**Table 8**  
**General Funding Summary by Year and Source**

<i>Source of Funds</i>	<i>FY 2018</i>	<i>FY 2019</i>	<i>FY 2020</i>	<i>FY 2021</i>	<i>FY 2022</i>	<i>TOTAL</i>
Long Term Financing Eligible	-	-	-	-	-	-
Short Term Borrowing Eligible	-	-	-	-	-	-
Federal Revenues	2,214,784	-	1,357,753	-	3,800,000	7,372,537
State Revenues	125,000	-	910,000	-	125,000	1,160,000
Tax Levy	4,458,900	4,932,639	4,170,368	3,631,305	4,055,008	21,248,220
Undesignated Fund Balance	-	-	-	-	-	-
Other Revenue-CIP Carryover	272,442	-	-	-	-	272,442
Other Revenue-Non-CIP Carryover	35,000	-	-	-	-	35,000
Other Revenue-Co Rds & Bridges	-	-	-	-	-	-
Other Revenue-City Share	75,000	42,920	28,500	-	-	146,420
CIP Designated	-	-	-	-	-	-
Canal Island Reserve Fund	100,000	100,000	100,000	-	-	300,000
Land Modernization Reserve	225,000	-	-	-	-	225,000
<b>Total Summary by Funding</b>	<b>7,506,126</b>	<b>5,075,559</b>	<b>6,566,621</b>	<b>3,631,305</b>	<b>7,980,008</b>	<b>30,759,619</b>

## **PROJECT REPORTS**

This section contains individual project descriptions, project justifications, estimated costs, sources of funds, and operating impacts by year.

# **C.I.P REQUESTS**

## **AIRPORT**

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Airport  
Project Name: North/South Airport Runway Reconstruction

Submitted By: Keith Kasbohm/Erik Aleson  
Date: 5/15/2017

Priority: Urgent/**Necessary**/Growth-Related (circle one)

**Description (summarized--detailed project plan, location, and justification to be attached):**  
Project will consist of pulverizing blacktop, grading and putting down new blacktop and lighting.

**Location (summarized--detailed project plan, location, and justification to be attached):**  
Cherryland Airport

**Justification (summarized--detailed project plan, location, and justification to be attached):**  
The current runway surface is approx. 29 years old. The Pavement Condition Index (PCI) is 63, Pavement with a PCI of 70 or less, is eligible for funding. The Bureau of Aeronautics is supporting this project. The project is currently in the State Plan for 2022. This project is anticipated to be funded 90% Federal, 5% State, & 5% County. It is anticipated there will be \$75,000 in funds to carryover for this next project from the \$200,000 of the County's budgeted share on the current East-West Airport Runway Reconstruction project. The annual tax levy contribution of \$50,000 for 2019, 2020, 2021, and 2022 would be accumulated along with the \$75,000 available from 2017. The total project cost in 2022 is estimated to be \$4,000,000.

**Expenditures (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase	-	-		-	-
Road Construction/Maintenance	-	-	-	-	50,000
Equipment / Software Purchase	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	50,000

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	3,800,000
Tax Levy	-	-	-	-	50,000
Accumulated from CIP from 2019-2021	-	-	-	-	-
Other (prior year carryover)	150,000	-	-	-	150,000
<b>TOTAL</b>	150,000	-	-	-	4,000,000

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Airport  
Project Name: Snow Removal Equipment Building / Maintenance Shop

Submitted By: Keith Kasbohm/Erik Aleson  
Date: 5/15/2017

Priority: Urgent/Necessary **Growth-Related** (circle one)

**Description (summarized--detailed project plan, location, and justification to be attached):**  
Construct 80 x 100 Snow Removal Equipment (SRE) building. The FAA will provide funding for airport SRE buildings. Not only will it be used be used for snow removal equipment storage but also for the maintenance, repair, and storage of all airport & parks equipment/supplies.

**Location (summarized--detailed project plan, location, and justification to be attached):**  
Cherryland Airport

**Justification (summarized--detailed project plan, location, and justification to be attached):**  
The current 2800 sq.ft. building is approx. 29 old. The Airport & Parks Department have out grown this building. The Parks maintenance operation has moved from John Miles Park to building 59 at the airport, which was previously used for storage of airport equipment. The department is in need of a building that will accomodate both storage and maintenance of equipment. The Bureau of Aeronautics is supporting this project. The project is currently in the State-wide Airport Plan for 2017. Funding to be determined. The project is anticipated to be funded with a mix of Federal, State, & County funds. Projects using Federal funding is a 90% Federal, 5% State, & 5% County split. State funded projects are split 80% State and 20% County. The annual tax levy contribution of \$50,000 for 2018, 2019, and 2020 would be accumulated. The total project cost in 2020 is estimated to be \$575,000.

**Expenditures (in thousands)**  
Provide \$ amounts for all years if applicable.

	<i>Budget 2018</i>	<i>Proposed 2019</i>	<i>Proposed 2020</i>	<i>Proposed 2021</i>	<i>Proposed 2022</i>
Building Construction/Remodeling/Purchase	-	-	45,000	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	-	-	-	-	-
<b>TOTAL</b>	-	-	45,000	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
Provide \$ amounts for all years if applicable.

	<i>Budget 2018</i>	<i>Proposed 2019</i>	<i>Proposed 2020</i>	<i>Proposed 2021</i>	<i>Proposed 2022</i>
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)		-	460,000	-	-
Tax Levy	-	-	40,000	-	-
Accumulated from CIP from 2018-2019			-		
Other (prior year carryover) Airport Outlay	75,000		75,000	-	-
<b>TOTAL</b>	75,000	-	575,000	-	-

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Airport & Parks  
Project Name: Upgrade - Replace Fuel Tanks

Submitted By: Keith Kasbohm/Erik Aleson  
Date: 5/15/2017

Priority: Urgent/Necessary/Growth-Related (circle one)

**Description (summarized--detailed project plan, location, and justification to be attached):**  
In 1989, 2 - 4000 gallon tanks were installed at the airport for Airport & Park related equipment. The State is mandating some upgrades with a dead line of December 31, 2020. (Letter Attached) Our options are to upgrade existing or replace with above ground tanks. Currently we are able to sign a two-year policy with our insurance company, I've been told that when the tanks reach 30 yrs old, they will no longer offer a two-year option. We just started getting pricing to upgrade existing. We plan to get cost estimates to remove and replace with above ground system. The annual tax levy contribution of \$75,000 for 2018 and 2019 would be accumulated. The total project cost in 2019 is estimated to be \$150,000.

**Location (summarized--detailed project plan, location, and justification to be attached):**  
Cherryland Airport

**Justification (summarized--detailed project plan, location, and justification to be attached):**  
The airport and parks needs fuel for daily operation of departments. Past four year average use has been unleaded 6,500 - 7,000 gallons. Diesel 3,500 - 4,000 gallons.

**Expenditures (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase	-	-	-	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	75,000	75,000	-	-	-
<b>TOTAL</b>	75,000	75,000	-	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	75,000	75,000	-	-	-
Accumulated from CIP from 2018	-	75,000	-	-	-
Other (prior year carryover)	-	-	-	-	-
<b>TOTAL</b>	75,000	150,000	-	-	-

December 29, 2015

Dear Wisconsin gas station owner or operator,

Enclosed is the 2016 version of the Compliance Calendar for Gasoline Dispensing Facilities, provided by the Wisconsin DNR's Small Business Environmental Assistance Program (SBEAP). SBEAP developed this calendar to help gasoline dispensing facilities comply with environmental requirements related to the transfer of fuel. Inside, you will find regulatory summaries, worksheets, checklists, record keeping logs and reminders of important dates. These tools can help your facility meet regulatory requirements such as inventory tracking, leak detection and equipment inspections, operator designations and training, and tank permit and insurance renewals. *Keep the calendar on file for five years, and it can serve as your official record!*

Some important highlights and changes from last year's calendar are outlined below:

- Changes are coming to the Department of Agriculture, Trade and Consumer Protection's (DATCP) secondary containment requirements. Pipe connections at the top of tanks and beneath pumps and dispensers must be in secondary containment by December 31, 2020 (s. ATCP 93.500(5), Wis. Adm. Code).
- Changes have been made to DATCP's Petroleum Inspection Districts and contacts. See page 59 for an updated map and contact information for your area.
- In 2013, Wisconsin was granted federal approval to allow gas stations subject to ozone nonattainment requirements to voluntarily decommission their Stage II vapor recovery systems. Therefore, DNR no longer regulates Stage II systems. However, it is important to note that facilities that still have Stage II systems must continue to meet certain requirements from DATCP and follow proper decommissioning procedures if they choose to decommission their systems. Details can be found starting on page 43 of the calendar.

**If you received this calendar but are not the owner or operator of your gasoline dispensing facility, please forward it to the person responsible for complying with environmental regulations.**

The Small Business Environmental Assistance Program is a non-regulatory program that provides information to Wisconsin small businesses at no charge to help them understand environmental requirements, comply with regulations and improve their environmental performance. If you have any questions about the regulations or for additional calendars, please call 855-889-3021 (toll free) or send an e-mail to [DNRSMBusiness@wi.gov](mailto:DNRSMBusiness@wi.gov). We're here to help!

Sincerely,

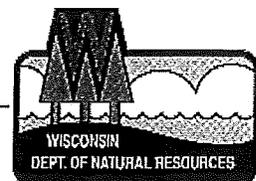
*Lisa Ashenbrenner Hunt*

Lisa Ashenbrenner Hunt  
Small Business Environmental Assistance Specialist  
(608) 266-6887



## SMALL BUSINESS ENVIRONMENTAL ASSISTANCE PROGRAM

DNR.wi.gov search "small business"  
DNRSMBusiness@wi.gov • 855-889-3021



# **C.I.P REQUESTS**

## **HIGHWAY**

Department: Highway Department  
 Project Name: County Highway Construction Program

Priority: Urgent/**Necessary**/Growth-Related (circle one)

Description This Program identifies the required construction projects based upon a needs analysis to maintain the current level of service of the County Highway's. The program should average 18 miles of roadway resurfacing each year based upon the design standards and life expectancy of the Hot Mix Asphalt roadway system.

Location Various sites, see attached sheets.

Justification The work is necessary to maintain the investment that the County has in its roadway system.

**Expenditures (in thousands)**  
 Provide \$ amounts for all years if applicable.

	Proposed 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase	-	-	-	-	-
Road Construction/Maintenance	5,562,526	3,569,718	5,298,430	3,631,305	3,630,007
Equipment Purchase	-	-	-	-	-
TOTAL	5,562,526	3,569,718	5,298,430	3,631,305	3,630,007

(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)

**Funding Source (in thousands)**  
 Provide \$ amounts for all years if applicable.

	Proposed 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	\$0	\$0	\$0	\$0	\$0
Federal/State Aids (describe)	\$2,214,784	\$0	\$1,357,753	\$0	\$0
Tax Levy	\$3,222,742	\$3,569,718	\$3,490,678	\$3,631,305	\$3,505,007
Other Funds	125,000	-	450,000	-	125,000
TOTAL	5,562,526	3,569,718	5,298,430	3,631,305	3,630,007

(all columns are formatted--just enter the amounts with no decimals)

## Door County Highway Department 2018 Proposed CIP Program

6/30/2017 13:12

Road	From	To	Paser Rating	Length (miles)	Width	Work performed	Total Cost	County CIP Funding	Other Funding
<b>Paving Projects</b>									
CTH J	CTH XC	Mill Road	5	3.7	22	Pulverize, 2 lifts @ 2" and 1 1/2" Compacted	\$758,132	\$633,132	\$125,000
CTH C	STH 42/57	Elm Road	4	1	30	Urban Reconstruction	\$2,642,750	\$427,966	\$2,214,784
CTH T	600' N. of Deer Path Ln	Glidden Drive	4	4.7	22	Pulverize, 2 lifts @ 2" and 1 1/2" Compacted	\$989,986	\$989,986	\$0
CTH G	STH 42	STH 42 (Egg Harbor)	6	4	28	Wedge and 1 1/4" overlay, 2" total, 1/2 mile mill	\$567,125	\$567,125	\$0
CTH D	CTH Y	Truway Road	5	1	22	Pulverize, 2 lifts @ 2" and 1 1/2"	\$201,678	\$201,678	\$0
CTH Q	S. Dane Street	STH 57	5	1.7	26	Widen in Village to 28', Pulverize, 3.5" Total	\$402,855	\$402,855	\$0
		<b>Sub-Total</b>		<b>16.1</b>					
		<b>Paving Totals</b>		<b>16.1</b>					
							<b>\$5,562,526</b>	<b>\$3,222,742</b>	<b>\$2,339,784</b>

**Revenue**

County Road Const. Fed Aid	\$2,214,784
Tax Levy/CIP	\$3,222,742
LRIP Funding	\$125,000
Jurisdictional Trans Fund for Other Roads	\$0
Jurisdictional Trans Fund CTH DK	\$0
<b>Total Budgeted</b>	<b>\$5,562,526</b>
<b>Total Est. Cost</b>	<b>\$5,562,526</b>

Revised Budget Amount including total LRIP \$5,562,526

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CHI - Funding Available	\$125,000
Federal STP Funding	\$2,214,784
CHI-D Funding Available	\$0
<b>Sub-Total</b>	<b>\$2,339,784</b>

Note 1: All County roadway projects are calculated at 22 foot of width, unless noted

## Door County Highway Department 2019 Proposed CIP Program

6/30/2017 13:12

Road	From	To	Paser Rating	Length (miles)	Width	Work performed	Total Cost	County CIP	Other Funding
<b>Paving Projects</b>									
CTH J	STH 42	CTH O	6	1	22	Pulv. Or Mill, 2 lifts @ 2" and 1 1/2" Compacted	\$207,261	\$207,261	\$0
CTH C	Stevenson Pier	CTH PD	6	6.2	28	Mill, Overlay 3.5 inch total, paved shoulders	\$1,563,612	\$1,563,612	\$0
CTH HH	Dunn Road	Old County OR	5	1.76	22	Pulverize, 2 lifts @ 2" and 1 1/2" Compacted	\$345,419	\$345,419	\$0
CTH XC	CTH X	CTH J	5	1	22	Pulverize, 2 lifts @ 2" and 1 1/2" Compacted	\$202,498	\$202,498	\$0
CTH A	CTH E	CTH F	5	3	28	Pulverize, 2 lifts @ 2" and 1 1/2" Compacted	\$759,308	\$759,308	\$0
CTH V	CTH A	STH 57	5	0.45	28	Pulverize, 2 lifts @ 2" and 1 1/2" Compacted	\$112,110	\$112,110	\$0
CTH X	CTH XC	Forest Drive	7	2.5	28	Wedge and 1 1/4" overlay, 2.25" Total	\$379,511	\$379,511	\$0
		<b>Sub-Total</b>		<b>15.91</b>					
		<b>Paving Totals</b>		<b>15.91</b>					
							<b>\$3,569,718</b>	<b>\$3,569,718</b>	<b>\$0</b>

**Revenue**

County Road Const. Fed Aid	\$0
Tax Levy/CIP	\$3,569,718
LRIP Funding	\$0
Jurisdictional Trans Fund for Other Roads	\$0
Jurisdictional Trans Fund CTH DK	\$0
<b>Total Budgeted</b>	<b>\$3,569,718</b>
<b>Total Est. Cost</b>	<b>\$3,569,718</b>

Revised Budget Amount including total LRIP \$3,569,718

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CHI - Funding Available	0
Federal STP Funding	\$0
CHI-D Funding Available	\$0
<b>Sub-Total</b>	<b>\$0</b>

Note 1: All County roadway projects are calculated at 22 foot of width, unless noted

## Door County Highway Department 2020 Proposed CIP Program

6/30/2017 13:12

Road	From	To	Paser Rating	Length (miles)	Width	Work performed	Total Cost	County Levy or DK Fund	Other Funding
<b>Paving Projects</b>									
CTH J	Carnot Road	CTH U	6	2.75	22	Wedge and 1 1/4" overlay, 2.25" total	\$370,610	\$370,610	\$0
CTH A	CTH E	CTH V	6	5.25	28	Pulverize, 2 lifts @ 2" and 1 1/2" Compacted	\$1,810,337	\$452,584	\$1,357,753
CTH U	Salona Road	City Limits	6	4.3	22	Mill, Resurface, 4" Total	\$1,001,643	\$1,001,643	\$0
CTH SB	May Road	CTH M	7	2	22	Wedge and 1 1/4" overlay, 2.25" Total	\$259,534	\$259,534	\$0
CTH K	CTH N	CTH C	5	2.5	22	Pulverize, 2 lifts @ 2" and 1 1/2" Compacted	\$506,244	\$506,244	\$0
CTH C	Stevenson Pier	Charleys Road	7	3.5	28	Mill, Overlay 4 inch total, paved shoulders	\$1,060,025	\$735,025	\$325,000
CTH M	CTH C	Hainesville Road	7	2	24	Wedge and 1 1/4" overlay, 2.25" total	\$290,038	\$165,038	\$125,000
		<b>Sub-Total</b>		<b>22.3</b>					
		<b>Paving Totals</b>		<b>22.3</b>					
							<b>\$5,298,430</b>	<b>\$3,490,678</b>	<b>\$1,807,753</b>

Revised Budget Amount including total LRIP                      \$5,298,430

**Revenue**

County Road Const. Fed Aid	\$1,357,753
Tax Levy	\$3,490,678
LRIP Funding	\$450,000
Jurisdictional Trans Fund for Other Roads	\$0
Jurisdictional Trans Fund CTH DK	\$0
<b>Total Budgeted</b>	<b>\$5,298,430</b>
<b>Total Est. Cost</b>	<b>\$5,298,430</b>

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CHI - Funding Available	\$125,000
Federal STP Funding	\$1,357,753
CHI-D Funding Available	\$325,000
<b>Sub-Total</b>	<b>\$1,807,753</b>

Note 1: All County roadway projects are calculated at 22 foot of width, unless noted

## Door County Highway Department 2021 Proposed CIP Program

6/30/2017 13:12

Road	From	To	Paser Rating	Length (miles)	Width	Work performed	Total Cost	County CIP	Other Funding
<b>Paving Projects</b>									
CTH C	CTH PD	N. Duluth Ave	6	1.5	28	Mill, Overlay 3 inch total, paved shoulders	\$339,296	\$339,296	\$0
CTH A	CTH F	STH 42	6	1.9	28	Mill, 2 lifts @ 2" and 1 1/2" Compacted	\$579,787	\$579,787	\$0
CTH MM	STH 42/57	CTH C	6	3.25	22	Wedge and 1 1/4" overlay, 2.25" Total	\$427,173	\$427,173	\$0
CTH C	CTH DK	East Gardner Road	7	1.8	28	Mill, Overlay 4 inch total, paved shoulders	\$553,674	\$553,674	\$0
CTH S	Maplewood Road	Wilson Road	7	4.5	30	Wedge and 1 1/4" overlay, 2.25" Total	\$753,103	\$753,103	\$0
CTH Q	Sunset Drive	Winding Lane	7	3.7	26	Pulverize, 2 lifts @ 2" and 1 1/2" Compacted	\$978,272	\$978,272	\$0
		<b>Sub-Total</b>		<b>16.65</b>					
		<b>Paving Totals</b>		<b>16.65</b>					
							<b>\$3,631,305</b>	<b>\$3,631,305</b>	<b>\$0</b>

Revised Budget Amount including total LRIP                      \$3,631,305

**Revenue**

County Road Const. Fed Aid	\$0
Tax Levy/CIP Funding	\$3,631,305
LRIP Funding	\$0
Jurisdictional Trans Fund for Other Roads	\$0
Jurisdictional Trans Fund CTH DK	\$0
Revenue budgeted from LRIP	\$0
Total Budgeted	\$3,631,305
Total Est. Cost	\$3,631,305

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CHI - Funding Available	\$0
Federal STP Funding	\$0
CHI-D Funding Available	\$0
Sub-Total	\$0

Note 1: All County roadway projects are calculated at 22 foot of width, unless noted

## Door County Highway Department 2022 Proposed CIP Program

6/30/2017 13:12

Road	From	To	Paser Rating	Length (miles)	Width	Work performed	Total Cost	County CIP	Other Funding
<b>Paving Projects</b>									
CTH X	Forest Road	STH 42	6	2	28	Mill, Overlay 3 inch total, paved shoulders	\$499,405	\$374,405	\$125,000
CTH B	White Cedar Road	CTH G	7	5.1	28	Wedge and 1 1/4" overlay, 2.25" Total	\$1,077,752	\$1,077,752	\$0
CTH U	S. of Lake Lane	Salona Road	6	3	22	Pulverize, 2 lifts @ 2" and 1 1/2" Compacted	\$714,168	\$714,168	\$0
CTH V	CTH T	CTH A	5	2.75	22	Pulverize, 2 lifts @ 2" and 1 1/2" Compacted	\$654,654	\$654,654	\$0
CTH Q	STH 42	Winding Lane	6	2.5	26	Pulverize, 2 lifts @ 2" and 1 1/2" Compacted	\$684,029	\$684,029	\$0
		<b>Sub-Total</b>		<b>15.35</b>					
		<b>Paving Totals</b>		<b>15.35</b>					
							<b>\$3,630,007</b>	<b>\$3,505,007</b>	<b>\$125,000</b>

Revised Budget Amount including total LRIP                    \$3,630,007

**Revenue**

County Road Const. Fed Aid	\$0
Tax Levy/CIP Funding	\$3,505,007
LRIP Funding	\$125,000
Jurisdictional Trans Fund for Other Roads	\$0
Jurisdictional Trans Fund CTH DK	\$0
Revenue budgeted from LRIP	\$0
Total Budgeted	\$3,630,007
Total Est. Cost	\$3,630,007

CHI - Funding Available	\$125,000
Federal STP Funding	\$0
CHI-D Funding Available	\$0
Sub-Total	\$125,000

Note 1: All County roadway projects are calculated at 22 foot of width, unless noted

# **C.I.P REQUESTS**

## **SHERIFF**

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2017-2021**

Department: Sheriff  
Project Name: Jail Audio Upgrade

Submitted By: Patrick McCarty  
Date: 5/9/2017

**Priority: Necessary**

**Description (summarized--detailed project plan, location, and justification to be attached):**  
Replace the jail intercom equipment.

**Location (summarized--detailed project plan, location, and justification to be attached):**  
Door County Justice Center-Jail

**Justification (summarized--detailed project plan, location, and justification to be attached):**  
The current jail audio communications equipment is 11+ years old. The sound quality is poor and is unintelligible in some locations. The system is a primary means of communications between inmates and the jail staff. The company that installed this equipment is no longer in business. It is becoming difficult to find a vendor who will serve our current system due to the proprietary nature of some of the equipment. This project would of a complete new audio system, the removal of the current Com-Tec proprietary control boards in the door cabinets, adding PLC cards to the door cabinets, non-proprietary software for the added PLC cards and onsite installation. IS Director Rouer was involved in this process and believes this upgrade should occur.

**Expenditures (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2017	Proposed 2018	Proposed 2019	Proposed 2020	Proposed 2021
Building Construction/Remodeling/Purchase	-	-	-	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	-	250,000	-	-	-
<b>TOTAL</b>	-	250,000	-	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2017	Proposed 2018	Proposed 2019	Proposed 2020	Proposed 2021
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	-	250,000	-	-	-
Other (prior year carryover)	-	-	-	-	-
<b>TOTAL</b>	-	250,000	-	-	-

(all columns are formatted--just enter the amounts with no decimals)

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Sheriff  
Project Name: Replacement of Mobile & Portable Radios

Submitted By: Pat McCarty  
Date: 4/6/2017

**Priority: Necessary**

**Description (summarized--detailed project plan, location, and justification to be attached):**  
Replacement of the portable and mobile radios for the Door County Sheriff's Office

**Location (summarized--detailed project plan, location, and justification to be attached):**  
Door County Justice Center, all assigned vehicles and personal radios

**Justification (summarized--detailed project plan, location, and justification to be attached):**  
The current mobile and portable radios are 9+ years old. The work well within our system but do not have the capability to communicate with jurisdictions outside of Door County. A dual band radio would allow officers to communicate on a 700/800 MHz or a VHF system, enhancing interoperability in large scale events spanning multiple jurisdictions.

<b>Expenditures (in thousands)</b>	<b>Budget 2018</b>	<b>Proposed 2019</b>	<b>Proposed 2020</b>	<b>Proposed 2021</b>	<b>Proposed 2022</b>
Provide \$ amounts for all years if applicable.					
Building Construction/Remodeling/Purchase	-	-	-	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	-	-	236,190		-
<b>TOTAL</b>	-	-	236,190		-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

<b>Funding Source (in thousands)</b>	<b>Budget 2018</b>	<b>Proposed 2019</b>	<b>Proposed 2020</b>	<b>Proposed 2021</b>	<b>Proposed 2022</b>
Provide \$ amounts for all years if applicable.					
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	-	-	236,190	-	-
Other (prior year carryover)	-	-	-	-	-
<b>TOTAL</b>	-	-	236,190	-	-

(all columns are formatted--just enter the amounts with no decimals)



23 East Oak Street  
 Sturgeon Bay, WI 54235  
 Phone (920) 743-0190 Fax (920) 743-2914  
[jbaudhuin@bayelectronicsinc.com](mailto:jbaudhuin@bayelectronicsinc.com)

**Estimate Number**  
 P25RADIOS 122116.REV(-)

**Estimate Date**  
 December 21, 2016

**Quotation valid until:**  
 March 21, 2017

**Sales Rep:**  
 Jason Baudhuin

**Terms:**  
 Net 30

**Shipping:**  
 Included

**Sent To:**  
 Door County Public Safety  
 Attn: Pat McCarty/Aaron LeClair/Chris Hecht

Dual Band P25 Trunking Mobile Radio (700/800 + VHF)					
Quantity	Part Number	Description	Unit Price		Total
1.00	VM900	EF Johnson P25 Trunking Dual Band, Single Head, Remote Mount Radio	\$	5,120.00	\$ 5,120.00
1.00	VM900DH	EF Johnson P25 Trunking Dual Band, Dual Head, Remote Mount Radio	\$	6,540.00	\$ 6,540.00
1.00	TK-5730/5930	Kenwood P25 Trunking Dual Band, Single Head, Remote Mount Dual Deck Radio	\$	3,890.00	\$ 3,890.00
1.00	TK-5730/5930DH	Kenwood P25 Trunking Dual Band, Dual Head, Remote Mount Dual Deck Radio	\$	4,153.00	\$ 4,153.00

VHF P25 Trunking Mobile Radio					
Quantity	Part Number	Description	Unit Price		Total
1.00	VM900	EF Johnson P25 Trunking VHF, Single Head, Remote Mount Radio	\$	4,205.00	\$ 4,205.00
1.00	VM900DH	EF Johnson P25 Trunking VHF, Dual Head, Remote Mount Radio	\$	5,625.00	\$ 5,625.00
1.00	TK-5730/5930	Kenwood P25 Trunking VHF, Single Head, Remote Mount Dual Deck Radio	\$	2,178.00	\$ 2,178.00
1.00	TK-5730/5930DH	Kenwood Dual Band, Dual Head, Remote Mount Dual Deck Radio	\$	2,982.00	\$ 2,982.00

Dual Band P25 Trunking Portabe Radio (700/800 + VHF)					
Quantity	Part Number	Description	Unit Price		Total
1.00	VP900	EF Johnson P25 Trunking Dual Band Portable Radio	\$	3,450.00	\$ 3,450.00

VHF P25 Trunking Portable Radio					
Quantity	Part Number	Description	Unit Price		Total
1.00	VP600	EF Johnson P25 Trunking VHF Portable Radio	\$	2,585.00	\$ 2,585.00
1.00	TK-5230	Kenwood P25 Trunking VHF Portable Radio	\$	1,599.00	\$ 1,599.00

# KENWOOD



P25 Mission Critical

## VM-900 Multi-Band

700/800 MHz • VHF

Multi-Band and multi-system radio equipped with industry leading audio, color display and advanced features including Over-the-Intranet (OTIP) programming.

### ROBUST & FLEXIBLE

- Compatible with Motorola® System v 7.x, Motorola Astro® & SMARTNET® II/SmartZone®
- All supported protocols (Phase 1 & 2, Motorola SMARTNET® II/SmartZone®, FM Analog) available simultaneously
- Advanced P25 features such as Authentication & Over-the-Air-Rekeying
- Industry-standard encryption capabilities: AES & DES-OFB
- ARC4™ software encryption; compatible with ADP™
- Conventional vote scan is standard
- Supports MDC-1200 and GE-Star signaling
- Up to 1024 channels
- Over-the-Air programming (OTAP) option enables you to program radios in the field
- Over-the-Intranet programming (OTIP) allows you to program radios through a wireless access point or Ethernet interface
- Enhanced radio security using software & hardware system keys
- TrueVoice™ noise cancellation works in analog or digital, eliminates the need for programming noise profiles, and works with any accessory.
- Armada® programming software provides simple fleet management of radios with features including profile templates & sorting/filtering by function or agency

### ACCESSORIES

- Complete line of accessories including microphones, speakers & antennas.  
*Download the accessory catalog at [www.ejohson.com/products/accessories](http://www.ejohson.com/products/accessories).*

### DATA & CONTROL INTERFACES

- Supports P25 IP packet data
- GPS AVL data (requires external GPS receiver)

### MULTIPLE CONFIGURATION OPTIONS

- Dash mount
- Remote mount
- Dash mount with remote control head
- Dual remote control heads
- Internal or external speaker
- Fixed control stations

### OPTIONAL VIKING® CONTROL HEAD

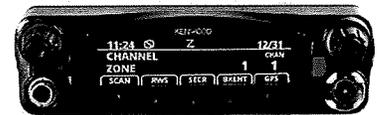
- Display resolution: 480 x 128 pixels
- Transmissive color display - high contrast for direct sunlight & night time viewing; not affected by polarized sunglasses
- Wide viewing angle - 120°



# Viking VM900 Mobile SPECIFICATIONS

GENERAL	VHF	700/800 MHz
Frequency Range (band splits)	136 - 174 MHz	762 - 805 MHz 806 - 869 MHz
Channel Spacing	Analog: 25 kHz, 12.5 kHz P25 Digital (Phase 1 and 2): 12.5 kHz; supports 2-slot Phase 2 TDMA	
Max Frequency Separation	Full Band Split	
Display	Viking Control Head - transmissive color display, 16 display text characters plus Zone, Channel, and Status, blue illumination theme	
Power Supply	<i>Nominal Voltage (negative ground)</i> 13.6 VDC <i>Operating Supply Voltage Range</i> 10.9 - 16.3 VDC <i>Standby Current</i> 1.0 A <i>Receive Current at Rated Audio Power</i> 2.95 A <i>Current at Max Rated Transmit Power</i> 12.5 A	
Temperature Range	Operating: -30°C to +60°C; Storage: -40°C to +85°C	
Nominal Dimensions (H x W x D) exclusive of mounting, cables, & knobs	2.1" x 7.2" x 8.3" (5.3 cm x 18.3 cm x 21.1 cm)	
Nominal Weight	6.5 lbs (2.3 kg)	
FCC ID:	ATH2425M80 (Pending)	
Industry Canada	IC-933B-2425M80 (Pending)	
Vocoder	AMBE+2 (version 1.6)	
Transmitter	700/800 MHz, 30/35 W; VHF, 50 W	
TRANSMITTER	VHF	700/800 MHz
RF Output Power (variable)	15 to 50 W	15 to 25 W (700 MHz) 15 to 35 W (800 MHz)
Transmitter Frequency Ranges	136 - 174 MHz	762 - 775 MHz, 792 - 805 MHz 806 - 824 MHz, 851 - 869 MHz
Maximum Frequency Separation	Full Band Split	
Frequency Accuracy (-30°C to +60°C, +25°C ref.)	±1.5 ppm	
Modulation Limiting	25 kHz Channels (Analog): ±5 kHz 12.5 kHz Channels (Analog): ±2.5 kHz	
Modulation Fidelity (Digital)	<5% C4FM (Phase 1) <5% H-CPM (Phase 2)	
Spurious Emissions	75 dB	
Audio	<i>Analog Frequency Response</i> +1 dB, -3 dB (Per TIA-603-D) <i>FM Hum and Noise Ratio (25 kHz Analog)</i> 46 dB <i>FM Hum and Noise Ratio (12.5 kHz Analog)</i> 40 dB <i>Distortion</i> 2%	
FCC Emission Designators	8K10F1D, 8K10F1E, 8K10F7E, 11K0F3E, 14K0F3E, 16K0F3E	
RECEIVER	VHF	700/800 MHz
Receiver Frequency Ranges	136 - 174 MHz	792 - 805 MHz 851 - 870 MHz
Maximum Frequency Separation	Full Band Split	
Sensitivity	<i>Analog Mode: 12 dB SINAD</i> -119 dBm <i>Digital Phase 1: (5% BER)</i> -119 dBm <i>Digital Phase 2: (5% BER)</i> -119 dBm	
Selectivity (Adjacent Channel Rejection)	<i>25 kHz Channels, Analog</i> 75 dBm <i>12.5 kHz Channels, Analog</i> 60 dBm <i>Digital Phase 1</i> 60 dBm <i>Digital Phase 2</i> 60 dBm	
Intermodulation	80 dB	
Spurious Response Rejection	80 dB	
Audio	<i>Analog Frequency Response</i> +1 dB, -3 dB (per TIA-603-D) <i>Hum and Noise Ratio (25 kHz Analog)</i> 46dB <i>Hum and Noise Ratio (12.5 kHz Analog)</i> 40dB <i>Output Power (3Ω load)</i> 15 W <i>Distortion</i> <2%	

Environmental Specifications <span style="float: right;">I</span>		
Environment	Mil Spec	810G
	M	P
Low Pressure	500.5	II
High Temp.	501.5	I, II
Low Temp.	502.5	I, II
Temp. Shock	503.5	I (D)
Solar Radiation	505.5	I (A1)
Rain/Blown Rain	506.5	I, III
Humidity	507.5	II
Salt Fog	509.5	NA
Dust and Sand	510.5	I, II
Vibration	514.6	I (4), II
Shock	516.6	I, II, V, VI
M=Method, P=Procedure Also meets equivalent superseded C, D and E standards.		
International Protection Standard		
Dust & Water	IP54 (Standard control head with VM600) IP56 (Viking control head with VM600)	
Encryption Options		
Supported Encryption	AES, DES, DES-OFB, ARC4	
Encryption Key/Radio	126 Common Key Reference (CKR), 126 Physical Identifier (PID), Compatible w/ Motorola Key Variable Loader	
Encryption Frame Re-sync Interval	P25 CAI 360 MSEC	
Encryption Keying	External Key Loader, OIAR	
Synchronization	CFB-Cipher Feedback OFB-Output Feedback	
Vector Generator	National Institute of Standards and Technology (NIST) Approved random number generator	
Encryption Type	Digital	
Key Erasure	Keyboard Command	
Code Key Initialization	Internal Pseudorandom Generator	
Standards	FIPS 46-3, FIPS 81, FIPS 140-2, FIPS 197	



Viking® Control Head



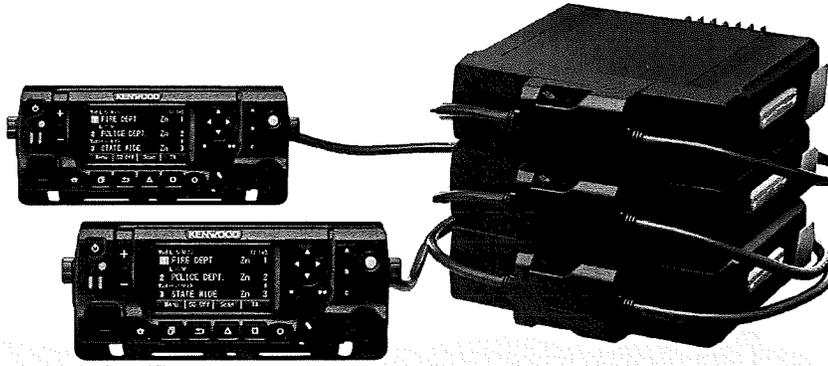
Standard Control Head

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# KENWOOD



P25 Mission Critical

## TK-5730/5830/5930

700/800 MHz • VHF • UHF • Multi-Band • P25 PHASE 1 & 2 • FM ANALOG

The TK-5x30 mobile radios offer multi-band capability with up to three radios offering simultaneous receive and transmit for always on connectivity.

### MULTIPLE CONFIGURATIONS

The TK-5x30 series allows users to create a variety of configurations to suit different requirements by combining different options.

- **Single Remote Control Head/Multi RF Decks:** Operate multiple (up to 3) radio decks from single control head.
- **Dual Remote Control Heads/Multi RF Decks:** This adds the convenience of a dual control head to the above configuration so 2 operators can control up to 3 radios.

### MAIN FEATURES

- Digital operation in P25 Phase 1 & 2
- P25 Phase 1 Conventional/Trunked Operation (standard)
- Mixed Digital, FM Analog Operation allows intelligent migration in mixed sites & with digital radios in other sites
- Large, color LCD display: Full Featured - 2.75" (400 x 240 pixels); Basic - 2.55" (422 x 154 pixels)
- Easy to follow GUI & Multi-line Text to convey more information
- Built-In GPS Receiver for effective fleet management
- Bluetooth® Module built-in for hands-free operation
- Multi-key AES FIPS140-2 & DES Encryption
- IP54/55 and MIL - STD-810 C/D/E/F/G
- Maximum of 4,000 CH/Radio capacity, 512 CH/Zone, 128 Zones

### SPEAKER CONFIGURATIONS

- **Single Speaker** - A single speaker may be tied to the control head to allow audio only from selected deck.
- **Multiple Speakers** - A single speaker is attached to each deck allows for select and unselect audio.
- Unselect audio level can be programmed to a fixed volume offset from the selected audio.

### DIGITAL - P25 MODE

- P25 Phase 1 Conventional/Trunked Operation
- P25 Phase 2 Trunked Operation
- AMBE+2™ Enhanced Vocoder
- Talk Group ID Lists
- Individual ID Lists
- Caller ID Display
- Remote Monitor/Remote Check
- Radio Inhibit
- Encryption Key Zeroize & Retention
- P25 GPS Location
- P25 Over-the-Air Re-keying
- Over-the-Air Programming\*1

### FM MODES - GENERAL

- MDC-1200: PTT ID ANI / Caller ID Display, Emergency, Radio Check / Inhibit
- QT / DQT & Two-Tone

\*1 Requires OTAP management software.



# TK-5730/5830/5930 Mobile SPECIFICATIONS

GENERAL		TK-5730	TK-5830	TK-5930
Frequency Range		136-174 MHz	Type 1: 450-520 MHz Type 2: 380-470 MHz	RX: 763-776, 851-870 MHz TX: 763-776, 793-806, 806-825, 851-870 MHz
Max. Channels Per Radio		1024 (Up to 4000 channels with option)		
Number of Zones		128		
Max. Channels Per Zone		512		
Channel Spacing	Analog	12.5/15/20/25/30 kHz	12.5/25 kHz	12.5/25 kHz
	Digital	6.25/12.5 kHz	6.25/12.5 kHz	6.25/12.5 kHz
Power Supply		13.6V DC ±15%		
Current Drain	Standby	0.45 A		
	RX	2.3 A		
	TX	13 A		
Operating Temperature		-22 °F to +140 °F (-30 °C to +60 °C)		
Frequency Stability		±1.0 ppm		
Dimensions (W x H x D) Radio w/Control Head, Projections not Included		6.69 x 1.89 x 6.93 in. (170 x 48 x 176 mm)		6.73 x 1.89 x 7.72 in. (171.0 x 48.0 x 196 mm)
Weight (Radio w/Control Head)		3.53 lbs (1.6 kg)		3.75 lbs (1.7 kg)
RECEIVER		TK-5730	TK-5830	TK-5930
Sensitivity	P25 Digital (5% BER)	0.25 µV		
	P25 Digital (1% BER)	0.40 µV		
	Analog (12 dB SINAD)	0.25 µV		
Selectivity	P25 Digital	63 dB		
	Analog @ 12.5 kHz	71 dB		70 dB
	Analog @ 25 kHz	81 dB		78 dB
Intermodulation		80 dB		
Spurious Rejection		87 dB	85 dB	
Audio Distortion		2%		
Audio Output Power		4 W/4 Ω (Remote Control Head: 3 W/4 Ω)		
TRANSMITTER		TK-5730	TK-5830	TK-5930
RF Power Output Power		50 to 5 W	45 to 5 W	30W to 2W (700 MHz) 35W to 2W (800 MHz)
Spurious Emission		-73 dB	-75 dB	-80 dB
FM Hum & Noise	Analog @ 12.5 kHz	45 dB		
	Analog @ 25 kHz	50 dB		
Audio Distortion		2%		
Emission Designator		1GK0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D		

MIL STANDARD	810C	810D	810E	810F	810G
Low Pressure	500.1/I	500.2/I, II	500.3/I, II	500.4/I, II	500.5/I, II
High Temperature	501.1/I, II	501.2/I, II	501.3/I, II	501.4/I, II	501.5/I, II
Low Temperature	502.1/I	502.2/I, II	502.3/I, II	502.4/I, II	502.5/I, II
Temp. Shock	503.1/I	503.2/I	503.3/I	503.4/I, II	503.5/I
Solar Radiation	505.1/I	505.2/I	505.3/I	505.4/I	505.5/I
Rain*1	506.1/I, II	506.2/I, II	506.3/I, II	506.4/I, III	506.5/I, III

MIL STANDARD	810C	810D	810E	810F	810G
Humidity	507.1/I, II	507.2/II, III	507.3/II, III	507.4	507.5/II
Salt Fog	509.1/I	509.2/I	509.3/I	509.4	509.5
Dust	510.1/I	510.2/I	510.3/I	510.4/I, III	510.5/I
Vibration	514.2/VIII, X	514.3/I	514.4/I	514.5/I	514.6/I
Shock	516.2/I, II, V	516.3/I, IV	516.4/I, IV	516.5/I, IV	516.6/I, IV

## INTERNATIONAL PROTECTION STANDARD

Dust & Water IP54, IP55\*2

\*1: Blowing rain protection for the mobile radio's Remote Control Head only.

\*2: IP54: RF Deck of the mobile radio; IP55: Remote Control Head for the mobile radio.

\*25 and 30 kHz are not included in the models sold in the USA or US territories.  
Analog measurements made per TIA 603 and specifications shown are typical. Digital measurements made per TIA 102CAAA and specifications shown are typical.

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**JVCKENWOOD Group**

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# KENWOOD



P25 Mission Critical

## TK-5730/5830/5930

700/800 MHz • VHF • UHF • P25 PHASE 1 & 2 • FM ANALOG • LTR

Round-the-clock public safety operations can be extremely demanding for both personnel and equipment. The reliable TK-5x30 mobile radios offer clear mission critical communications for police, fire and EMS.

### MAIN FEATURES

- Digital operation in P25 Phase 1 & 2
- P25 Phase 1 Conventional/Trunked Operation (standard)
- Mixed Digital, FM Analog & LTR Operation allows intelligent migration in mixed sites & with digital radios in other sites
- Large, color 2.55" (154 x 422 pixels) TFT Display
- Easy to follow GUI & Multi-line Text to convey more information
- Dual Remote Control Head Option & Multi RF Deck) Options
- Built-In GPS Receiver for effective fleet management
- Bluetooth® Module built-in for hands-free operation
- Active Noise Cancelling utilizes built-in DSP with 2 microphones for suppression of ambient noise (dual-mic)
- Built-in 56-bit DES encryption
- Optional 256-bit AES encryption
- microSD/microSDHC Memory Card Slot for increased memory capacity for voice and data
- IP54/55 and MIL-STD-810 C/D/E/F/G
- Maximum of 4,000 CH/Radio capacity, 512 CH/Zone, 128 Zones
- DB-25 Accessory Connector
- 4 W Speaker Audio

### FM MODES - GENERAL

- Conventional & LTR Zones
- MDC-1200: PTT ID ANI / Caller ID Display, Emergency, Radio Check / Inhibit
- QT / DQT & Two-Tone
- Built-in Voice Inversion Scrambler

### ACCESSORIES

- Complete line of accessories including mics & speakers.  
Download catalog at [www.ejohnson.com/products/accessories](http://www.ejohnson.com/products/accessories).

### DIGITAL - P25 MODE

- P25 Phase 1 Conventional/Trunked Operation
- P25 Phase 2 Trunked Operation
- AMBE+2™ Enhanced Vocoder
- Talk Group ID Lists
- Individual ID Lists
- Caller ID Display
- Remote Monitor/Remote Check
- Radio Inhibit
- Encryption Key Zeroize & Retention
- P25 GPS Location
- P25 Over-the-Air Re-keying
- Over-the-Air Programming\*

### MULTIPLE CONFIGURATIONS (OPTION)

The TK-5x30 series allows users to create a variety of configurations to suit different requirements by combining different options.

- **Single Remote Control Head/Single RF Deck:**  
Mobile is controlled by a remote control head.
- **Single Remote Control Head/Multi RF Decks:**  
Operate multiple (up to 3) radio decks from single control head.
- **Dual Remote Control Heads/Single RF Deck:**  
One controller can be mounted on the dashboard with the other control head remotely mounted (such as the back of an ambulance or fire apparatus).
- **Dual Remote Control Heads/Multi RF Decks:**  
This adds the convenience of a dual control head to the above configuration so 2 operators can control up to 3 radios from separate control heads.

\*1 Requires OTAP management software.



# TK-5730/5830/5930 Mobile SPECIFICATIONS

GENERAL		TK-5730	TK-5830	TK-5930
Frequency Range		136-174 MHz	Type 1: 450-520 MHz Type 2: 380-470 MHz	RX:763-776,851-870 MHz TX:763-776,793-806,806-825,851-870 MHz
Max. Channels Per Radio		1024 (Up to 4000 channels with option)		
Number of Zones		128		
Max. Channels Per Zone		512		
Channel Spacing	Analog	12.5/15/20/25/30 kHz	12.5/25 kHz	12.5/25 kHz
	Digital	6.25/12.5 kHz	6.25/12.5 kHz	6.25/12.5 kHz
Power Supply		13.6V DC ±15 %		
Current Drain	Standby	0.45 A		
	RX	2.3 A		
	TX	13 A		
Operating Temperature		-22 °F to +140 °F (-30 °C to +60 °C)		
Frequency Stability		±1.0 ppm		
Dimensions (W x H x D) Radio w/Control Head, Projections not Included		6.69 x 1.89 x 6.93 in. (170 x 48 x 176 mm)	6.73x1.89x7.72 in. (171.0 x 48.0 x 196 mm)	
Weight (Radio w/Control Head)		3.53 lbs (1.6 kg)	3.75 lbs (1.7kg)	
RECEIVER		TK-5730	TK-5830	TK-5930
Sensitivity	P25 Digital (5% BER)	0.25 µV		
	P25 Digital (1% BER)	0.40 µV		
	Analog (12 dB SINAD)	0.25 µV		
Selectivity	P25 Digital	63 dB		
	Analog @ 12.5 kHz	71 dB		70 dB
	Analog @ 25 kHz	81 dB		78 dB
Intermodulation		80 dB		
Spurious Rejection		87 dB	85 dB	
Audio Distortion		2%		
Audio Output Power		4 W/4 Ω (Remote Control Head: 3 W/4 Ω)		
TRANSMITTER		TK-5730	TK-5830	TK-5930
RF Power Output Power		50 to 5 W	45 to 5 W	30W to 2W (700 MHz) 35W to 2W (800 MHz)
Spurious Emission		-73 dB	-75 dB	-80 dB
FM Hum & Noise	Analog @ 12.5 kHz	45 dB		
	Analog @ 25 kHz	50 dB		
Audio Distortion		2%		
Emission Designator		16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D		

MIL STANDARD	810C	810D	810E	810F	810G	MIL STANDARD	810C	810D	810E	810F	810G
Low Pressure	500.1/I	500.2/I, II	500.3/I, II	500.4/I, II	500.5/I, II	Humidity	507.1/I, II	507.2/II, III	507.3/II, III	507.4	507.5/II
High Temperature	501.1/I, II	501.2/I, II	501.3/I, II	501.4/I, II	501.5/I, II	Salt Fog	509.1/I	509.2/I	509.3/I	509.4	509.5
Low Temperature	502.1/I	502.2/I, II	502.3/I, II	502.4/I, II	502.5/I, II	Dust	510.1/I	510.2/I	510.3/I	510.4/I, III	510.5/I
Temp. Shock	503.1/I	503.2/I	503.3/I	503.4/I, II	503.5/I	Vibration	514.2/VIII, X	514.3/I	514.4/I	514.5/I	514.6/I
Solar Radiation	505.1/I	505.2/I	505.3/I	505.4/I	505.5/I	Shock	516.2/I, II, V	516.3/I, IV	516.4/I, IV	516.5/I, IV	516.6/I, IV
Rain*1	506.1/I, II	506.2/I, II	506.3/I, II	506.4/I, III	506.5/I, III						

## INTERNATIONAL PROTECTION STANDARD

Dust & Water IP54, IP55\*2

\*1: Blowing rain protection for the mobile radio's Remote Control Head only.

\*2: IP54: RF Deck of the mobile radio; IP55: Remote Control Head for the mobile radio.

\*25 and 30 kHz are not included in the models sold in the USA or US territories.  
Analog measurements made per TIA 603 and specifications shown are typical. Digital measurements made per TIA 102CAAA and specifications shown are typical.

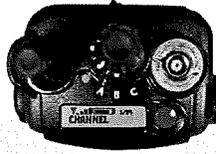
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**JVCKENWOOD Group**

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# KENWOOD



P25 Mission Critical

## VP-900 Multi-Band

700/800 MHz • VHF • UHF (470-520 MHz) • P25 PHASE 1 & 2 • FM ANALOG

The Viking® VP900 is a multi-band, multi-protocol, P25 Phase 2 radio equipped with industry leading audio, display, and advanced feature capabilities that meet the needs of police, fire, EMS, and other mission critical users.

### P25 COMPLIANT/ MULTI-PROTOCOL

- P25 Phase 1 & Phase 2
- Supports P25 CAI (Common Air Interface)
- Compatible with Motorola® System v 7.x, Motorola Astro® & SMARTNET® II/SmartZone®
- Trunked & conventional system protocols
- Over-The-Air Rekeying (OTAR)
- MDC-1200 & GE-Star signaling
- Mixed Protocol Zones (each channel in a zone can be from a different system)

### RUGGED & RELIABLE

- MIL Standard 810 G specs
- Immersion rated (IP67) (waterproof in 1 meter of water up to 30 minutes)
- Dual Shield design (internal metal housing and an external polycarbonate casing for exceptional durability)

### ACCESSORIES

- Complete line of accessories including speaker mics, cases, batteries, antennas & chargers. *Download the accessory catalog at [www.efjohnson.com/products/accessories](http://www.efjohnson.com/products/accessories).*

### EASY TO OPERATE

- Available in three models: no keypad, limited keypad or full keypad versions
- Top display on all three models to maximize viewing while in holster
- Controllable backlit display settings to increase visibility in all light conditions
- Backlit keypad
- Multiple visual indicators including battery level & signal strength
- Ergonomic knobs for easier operation with gloves

### P25 COMPLIANT

- Supports P25 CAI (Common Air Interface, Phase 1 & Phase 2)
- Trunked and conventional system protocols Over-the-Air rekeying (OTAR)

### SUPERIOR AUDIO QUALITY

- High performance speaker provides 1W nominal audio for loud & clear sound across various noise environments
- TrueVoice™ noise cancellation works in analog or digital, eliminates the need for programming noise profiles, and works with any accessory

### ADVANCED FEATURES

- P25 Radio Authentication
- Programmable soft keys, menu & DTMF keys
- Up to 2048 channels
- Text messaging
- Customizable voice announcement
- Conventional vote scan is standard
- Over-The-Air Programming (OTAP) option to program radios in the field
- Armada® programming software provides simple radio fleet management including profile templates & sorting/filtering by function or agency
- Elite battery management enables wireless tracking of battery fleet
- Enhanced radio security using software and hardware system keys
- Industry-standard encryption capabilities such as AES or DES-OFB
- ARC4™ software encryption; compatible with ADP™
- Speaker microphone disconnect alarm enhances safety
- Integrated GPS



# Viking VP900 Portable SPECIFICATIONS

GENERAL	700/800	VHF	UHF
Frequency Range	763-805 MHz 806-869 MHz	136-174 MHz	470-520 MHz
Channel Spacing	12.5 kHz, 25 kHz <sup>1</sup>		
Max Frequency Separation	Full Bandsplit		
FCC Type Acceptance Certification	ATH2425780		ATH2425795
Canada Type Certification	IC:933B-2425780		N/A
FCC Emissions Designators	16K0F3E, 14K0F3E, 11K0F3E, 8K10F1D, 8K10F1E	11K0F3E, 8K10F1D, 8K10F1E	16K0F3E, 11K0F3E, 8K10F1D, 8K10F1E
Input Voltage	7.4V		
Dimensions (w/o antenna) HxWxD	7.5" x 2.62" x 1.75"		
Weight (w/o standard battery)	12.4 oz		
Case	Polycarbonate - black or high visibility		
Temperature Range	-30°C to +60°C		
Vocoder/Noise Cancellation	AMBE+2 version 1.6   TrueVoice™ noise cancellation and audio enhancement		
Programmable Front Display	Backlit LCD   Status Bar (time, date, signal strength, battery level), icon or text display options Up to 4 rows of 12 character lines		
Programmable Top Display	Backlit LCD   Status Bar (time, date, signal strength, battery level) or text display options Up to 2 rows of 12 character lines		
TRANSMITTER	700/800	VHF	UHF
RF Power Output	2.5/3 W	5 W	4 W
Frequency Stability (-30°C to +60°C)	1.5 ppm		
Modulation Limiting 25 kHz Channels	5 kHz <sup>1</sup>		
Modulation Limiting 12.5 kHz Channels	2.5 kHz		
Emissions (Conducted/Radiated)	75 dB	70 dB	
Audio Response	+1, -3 dB		
FM Hum and Noise 25 kHz Channels	49 dB <sup>1</sup>		
FM Hum and Noise 12.5 kHz Channels	43 dB		
Audio Distortion	1.5%		
RECEIVER	700/800	VHF	UHF
Audio Power Output	1 W rated		
Frequency Stability (-30°C to +60°C)	1.5 ppm		
Analog Mode Sensitivity: 12 dB SINAD	-121 dBm	-122 dBm	-121 dBm
Digital Mode Sensitivity: 5% BER	-121 dBm	-122 dBm	-121 dBm
Selectivity: 25 kHz Channels	75 dB <sup>1</sup>		
Selectivity: 12.5 kHz Channels	60 dB		
Intermodulation	75 dB	75 dB	
Spurious & Image Rejection	80 dB	70 dB	
FM Hum and Noise 25 kHz Channels	50 dB <sup>1</sup>		
FM Hum and Noise 12.5 kHz Channels	44 dB		
Audio Distortion	1%		

Note 1: 25 kHz mode is not available in US FCC frequencies in 700 MHz or VHF.

BATTERY	Dimensions (HxWxD)	Weight	Capacity
High Capacity Lithium Ion	6.5" x 2.3" x .78"	8.1 oz	3780 mAh

Specifications are measured per TIA-102.CAAA-E, TIA102.CAAB-D and per TIA-603-E.

Environmental Specifications 		
Environment	Mil Spec	810G
	M	P
Low Pressure	500.5	II
High Temp.	501.5	II
Low Temp.	502.5	II
Temp. Shock	503.5	I-D
Solar Radiation	505.5	I
Rain/Blown Rain	506.5	I
Humidity	507.5	I
Salt Fog	509.5	NA
Dust and Sand	510.5	I
Vibration	514.6	I
Shock	516.6	VI, V
Immersion	512.5	I

M=Method, P=Procedure  
Also meets equivalent superseded C, D, E, and F standards.  
Immersion meets IEC 529 IP67

Encryption Options 	
Supported Encryption	AES, DES-OFB, ARC4
Encryption Key/Radio	126 Common Key Reference (CKR), 126 Physical Identifier, (PID), Compatible w/ Motorola Key Variable Loader
Encryption Frame Re-sync Interval	P25 CAI 360 MSEC
Encryption Keying	External Key Loader, OTAR
Mode	OFB-Output Feedback
Encryption Type	Digital
Key Erasure	Keyboard Command
Standards	FIPS 46-3, FIPS 81, FIPS 140-2, FIPS 197

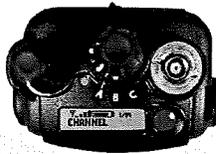
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# KENWOOD



P25 Mission Critical

## VP-600 Single Band

700/800 MHz • VHF • UHF • P25 PHASE 1 & 2 • FM ANALOG

With a top display and best in the industry audio performance, the VP600 portable offers smarter visual and audio features that make first responder communications effortless.

### P25 COMPLIANT/ MULTI-PROTOCOL

- P25 Phase 1 & Phase 2
- Supports P25 CAI (Common Air Interface)
- Compatible with Motorola® System v 7.x, Motorola Astro® & SMARTNET® II/SmartZone®
- Trunked & conventional system protocols
- Over-The-Air Rekeying (OTAR)
- MDC-1200 & GE-Star signaling
- Mixed Protocol Zones (each channel in a zone can be from a different system)

### RUGGED & RELIABLE

- Meets MIL Standard 810 G specs
- Immersion rated (IP67) (waterproof in 1 meter of water up to 30 minutes)
- Dual Shield design (internal metal housing and an external polycarbonate casing for exceptional durability)

### EASY TO OPERATE

- Available in three models: no keypad, limited keypad or full keypad versions
- Top display on all three models to maximize viewing while in holster
- Controllable backlit display settings to increase visibility in all light conditions
- Backlit keypad
- Multiple visual indicators including battery level & signal strength
- Ergonomic knobs for easier operation with gloves

### SUPERIOR AUDIO QUALITY

- High performance speaker provides 1W nominal audio for loud & clear sound across various noise environments
- TrueVoice™ noise cancellation works in analog or digital, eliminates the need for programming noise profiles, and works with any accessory
- AMBE+2 version 1.6 vocoder using TIA's latest standards

### ADVANCED FEATURES

- P25 Radio Authentication
- Programmable soft keys, menu & DTMF keys
- Up to 1024 channels
- Text messaging
- Customizable voice announcement
- Conventional vote scan is standard
- Over-The-Air Programming (OTAP) option to program radios in the field
- Armada® programming software provides simple radio fleet management including profile templates & sorting/filtering by function or agency
- Elite battery management enables wireless tracking of battery fleet
- Enhanced radio security using software and hardware system keys
- Industry-standard encryption capabilities such as AES or DES-OFB
- ARC4™ software encryption; compatible with ADP™
- Speaker microphone disconnect alarm enhances safety
- Integrated GPS (Only in 700/800 MHz)

### ACCESSORIES

- Complete line of accessories including speaker mics, cases, batteries, antennas & chargers. Download the accessory catalog at [www.efjohnson.com/products/accessories](http://www.efjohnson.com/products/accessories).



# Viking VP600 Portable SPECIFICATIONS

GENERAL	700/800	VHF	UHF	
Frequency Range	762-806 MHz 806-870 MHz	136-174 MHz	380-470 MHz	470-512 MHz
Channel Spacing	12.5 kHz, 25 kHz <sup>1</sup>			
Max Freq. Separation	Full Bandsplit			
FCC Type Acceptance Certification	ATH2425770	ATH2425710	ATH2425720	ATH2425740 (P)
Canada Type Certification	IC:933B-2425770	IC:933B-2425710	IC:933B-24275720	IC:933B-2425740 (P)
FCC Emissions Designators	16K0F3E, 14K0F3E, 11K0F3E, 8K10F1D, 8K10F1E, 8K10F7E	11K0F3E, 8K10F1D, 8K10F1E, 8K10F7E	11K0F3E, 8K10F1D, 8K10F1E, 8K10F7E	16K0F3E, 11K0F3E, 8K10F1D, 8K10F1E, 8K10F7E
Input Voltage	7.4V			
Dimensions (w/o antenna) HxWxD	7.5" x 2.62" x 1.75"			
Weight (w/o standard battery)	12.6 oz			
Case	Polycarbonate - black or high visibility			
Temperature Range	-30°C to +60°C			
Vocoder/Noise Cancellation	AMBE+2 version 1.6   TrueVoice™ noise cancellation and audio enhancement			
Programmable Front Display	Backlit LCD   Status Bar (time, date, signal strength, battery level), icon or text display options Up to 4 rows of 12 character lines			
Programmable Top Display	Backlit LCD   Status Bar (time, date, signal strength, battery level) or text display options Up to 2 rows of 12 character lines			
TRANSMITTER	700/800	VHF	UHF	
RF Power Output	2.5/3W	5W	4W	
Frequency Stability (-30°C to +60°C)	1.5 ppm			
Modulation Limiting 25 kHz Channels	5 kHz <sup>1</sup>			
Modulation Limiting 12.5 kHz Channels	2.5 kHz			
Emissions (Conducted/Radiated)	75 dBc			
Audio Response	+1, -3 dB			
FM Hum and Noise 25 kHz Channels	50 dB	56 dB <sup>1</sup>	47 dB	
FM Hum and Noise 12.5 kHz Channels	44 dB	50 dB	47 dB	
Audio Distortion	1%			
RECEIVER	700/800	VHF	UHF	
Audio Power Output	1W rated   2.5W Max			
Frequency Stability (-30°C to +60°C)	1.5 ppm			
Analog Mode Sensitivity: 12 dB SINAD	-120 dBm	-122 dBm	-119 dBm	
Digital Mode Sensitivity: 5% BER	-120 dBm	-122 dBm	-119 dBm	
Selectivity: 25 kHz Channels	75 dB <sup>1</sup>			
Selectivity: 12.5 kHz Channels	60 dB			
Intermodulation	75 dB			
Spurious & Image Rejection	80 dB			
FM Hum and Noise 25 kHz Channels	50 dB <sup>1</sup>			
FM Hum and Noise 12.5 kHz Channels	44 dB			
Audio Distortion	1.5%			

Note 1: 25 kHz mode is not available in US FCC frequencies in 700 MHz, UHF or VHF.

BATTERY	Dimensions (HxWxD)	Weight	Capacity
High Capacity Lithium Ion	6.5" x 2.3" x .78"	8.1 oz	3780 mAh

Specifications are measured per TIA 102.CAAA-C, TIA 102.CAAB-C and per TIA 603-D.

Environmental Specifications 		
Environment	Mil Spec	810G
	M	P
Low Pressure	500.5	II
High Temp.	501.5	II
Low Temp.	502.5	II
Temp. Shock	503.5	I-D
Solar Radiation	505.5	I
Rain/Blown Rain	506.5	I
Humidity	507.5	I
Salt Fog	509.5	NA
Dust and Sand	510.5	I
Vibration	514.6	I
Shock	516.6	VI, V
Immersion	512.5	I

M=Method, P=Procedure  
Also meets equivalent superseded C, D, E, and F standards.  
Immersion meets IEC 529 IP67

Encryption Options 	
Supported Encryption	AES, DES-OFB, ARC4
Encryption Key/Radio	126 Common Key Reference (CKR), 126 Physical Identifier (PID), Compatible w/ Motorola Key Variable Loader
Encryption Frame Re-sync Interval	P25 CAI 360 MSEC
Encryption Keying	External Key Loader, OTAR
Mode	OFB-Output Feedback
Encryption Type	Digital
Key Erasure	Keyboard Command
Standards	FIPS 46-3, FIPS 81, FIPS 140-2, FIPS 197

All specifications are subject to change without notice. Please check the website for the latest version.  
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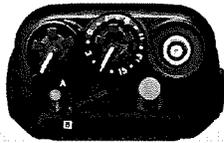
P25 Products Provided by EF Johnson Technologies, Inc., a JVCKENWOOD Company

# KENWOOD



 Bluetooth®



P25 Mission Critical

## TK-5230/5330/5430

700/800 MHz • VHF • UHF • P25 PHASE 1 & 2 • FM ANALOG • LTR

Compact P25 Phase 1/Phase 2 radio with large transfective color display, built-in GPS & Bluetooth® is a great fit for public works or public safety agencies looking for a smaller feature rich radio.

### MAIN FEATURES

- Digital operation in P25 Phase 1 & Phase 2
- P25 Phase 1 Conventional/Trunked Operation (standard)
- Mixed Digital, FM Analog & LTR Operation allows migration in mixed sites
- Large, color 1.74" (240 x 180 pixels) Transfective TFT Display for better use in direct sunlight & with use of polarized sunglasses
- Easy to follow GUI for at-a-glance operational status checking & multi-line text
- 4-way Directional-pad (D-pad) & 2-Position Lever Switch for intuitive control
- Built-In GPS Receiver/Antenna for effective fleet management
- Bluetooth® Module built-in for hands-free operation
- Renowned audio quality with Active Noise Cancelling that utilizes built-in DSP with two microphones for suppression of ambient noise (dual-mic)
- Built-in 56-bit DES Encryption (4-key DES standard)
- Optional 256-bit AES Encryption
- Built-in motion sensor for life-critical man down detection
- microSD/microSDHC Memory Card Slot for increased voice & data memory capacity
- IP67/68 & MIL-STD-810 C/D/E/F/G
- Full key models (w/numeric keypad) & standard key models (w/o numeric keypad)
- 1 W loud speaker audio

### FM MODES - GENERAL

- Conventional & LTR Zones
- NPSPAC (USA only) Channels ( $\pm 4.0$  Modulation)
- MDC-1200: PTT ID ANI / Caller ID Display, Emergency, Radio Check / Inhibit
- QT / DQT & Two-Tone
- Built-in Voice Inversion Scrambler

### ACCESSORIES

- Complete line of accessories including speaker mics, cases, batteries, antennas & chargers. Download the accessory catalog at [www.efjohnson.com/products/accessories](http://www.efjohnson.com/products/accessories).

### DIGITAL - P25 MODE

- P25 Phase 1 Conventional/Trunked Operation (standard)
- P25 Phase 2 Trunked Operation
- AMBE+2™ Enhanced Vocoder
- Talk Group ID Lists
- Individual ID Lists
- Caller ID Display
- Remote Monitor/Remote Check
- Radio Inhibit
- Encryption Key Zeroize & Retention
- P25 GPS Location
- Over-the-Air Programming\*1

### INTELLIGENT BATTERY SYSTEM (OPTION)

- System consists of optional high-capacity Li-Ion Battery Series (KNB-L1/L2/L3), Rapid Charger (KSC-Y32), & Battery Reader (KAS-12) software
- Up to 30 rapid chargers can be chain-connected to PC installed with KAS-12
- Battery conditions displayed in color illuminated indicators on the charger, & also displayed on connected PC with same color scheme
- Up to 1,000 batteries can be managed at a time (requires additional option)

\*1 Requires OTAP management software.



# TK-5230/5330/5430 Portable SPECIFICATIONS

GENERAL		TK-5230	TK-5330	TK-5430
Frequency Range		136-174 MHz	Type 1: 450-520 MHz Type 2: 380-470 MHz	RX: 763-776, 851-870 MHz TX: 763-776, 793-806, 806-825, 851-870 MHz
Max. Channels Per Radio		1024 (Up to 4000 channels with option)		
Number of Zones		128		
Max. Channels Per Zone		512		
Channel Spacing	Analog	12.5/15/20/25*/30* kHz	12.5/25* kHz	12.5/25 kHz
	Digital	6.25/12.5 kHz	6.25/12.5 kHz	12.5 kHz (6.25 kHz)
Power Supply		7.5 V DC ±20%		
Battery Life (5-5-90/10-10-80 duty cycle)	KNB-L1 (2,000 mAh)	10 hours / 6.5 hours		
	KNB-L2 (2,600 mAh)	12.5 hours / 8.5 hours		
	KNB-L3 (3,400 mAh)	17 hours / 11 hours		
Operating Temperature		-22 °F to +140 °F (-30 °C to +60 °C)		
Frequency Stability		±2.0 ppm	±1.0 ppm	±1.5 ppm
Dimensions (W x H x D) Projections Not Included	KNB-L1 (2,000 mAh)	2.28 x 5.47 x 1.52 in. (58 x 139 x 38.8 mm)		
	KNB-L2 (2,600 mAh)	2.28 x 5.47 x 1.65 in. (58 x 139 x 41.8 mm)		
	KNB-L3 (3,400 mAh)	2.28 x 5.47 x 1.86 in. (58 x 139 x 47.2 mm)		
Weight (Dim. & Weight with Battery)	KNB-L1 (2,000 mAh)	15.52 oz (440 g)		
	KNB-L2 (2,600 mAh)	16.57 oz (470 g)		
	KNB-L3 (3,400 mAh)	17.98 oz (510 g)		
RECEIVER		TK-5230	TK-5330	TK-5430
Sensitivity	P25 Digital (5% BER)	0.25 µV		
	P25 Digital (1% BER)	0.40 µV		
	Analog (12 dB SINAD)	0.25 µV		
Selectivity	P25 Digital	60 dB		
	Analog @ 12.5 kHz	67 dB		64 dB
	Analog @ 25 kHz		73 dB	
Intermodulation		73 dB		75 dB
Spurious Rejection		80 dB	75 dB	
Audio Distortion		3%		
Audio Output Power		500 mW/8 Ω (3% Distortion)/1,000 mW/8 Ω (5% Distortion)		
TRANSMITTER		TK-5230	TK-5330	TK-5430
RF Power Output Power		6 to 1 W	5 to 1 W	3 to 1 W
Spurious Emission		-70 dB		
FM Hum & Noise	Analog @ 12.5 kHz	40 dB		
	Analog @ 25 kHz	45 dB		
Audio Distortion		2%		
Emission Designator		1GK0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D		16K0F3E, 14K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D

MIL STANDARD	810C	810D	810E	810F	810G	MIL STANDARD	810C	810D	810E	810F	810G	INTERNATIONAL PROTECTION STANDARD
Low Pressure	500.1/I	500.2/I, II	500.3/I, II	500.4/I, II	500.5/I, II	Humidity	507.1/I, II	507.2/II, III	507.3/II, III	507.4	507.5/II	Dust & Water IP54, IP55
High Temperature	501.1/I, II	501.2/I, II	501.3/I, II	501.4/I, II	501.5/I, II	Salt Fog	509.1/I	509.2/I	509.3/I	509.4	509.5	
Low Temperature	502.1/I	502.2/I, II	502.3/I, II	502.4/I, II	502.5/I, II	Dust	510.1/I	510.2/I	510.3/I	510.4/I, III	510.5/I	Immersion IP67, IP68* *Portable radio immersed for 2 hours at a depth of 1 meter
Temp. Shock	503.1/I	503.2/I	503.3/I	503.4/I, II	503.5/I	Vibration	514.2/VIII, X	514.3/I	514.4/I	514.5/I	514.6/I	
Solar Radiation	505.1/I	505.2/I	505.3/I	505.4/I	505.5/I	Shock	516.2/I, II, V	516.3/I, IV	516.4/I, IV	516.5/I, IV	516.6/I, IV	
Rain	506.1/I, II	506.2/I, II	506.3/I, II	506.4/I, III	506.5/I, III	Immersion	-	-	-	512.4/I	512.5/I	

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**C.I.P REQUESTS**  
**EMERGENCY SERVICES**

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Emergency Services  
Project Name: Washington Island Station

Submitted By: Jeff Roemer  
Date: 4/20/2017

Priority: Urgent/**Necessary**/Growth-Related (circle one)

**Description (summarized--detailed project plan, location, and justification to be attached):**  
This CIP request is for the future need of an EMS station on Washington Island.

**Location (summarized--detailed project plan, location, and justification to be attached):**  
Washington Island

**Justification (summarized--detailed project plan, location, and justification to be attached):**  
Our current station is co-located with Washington Island Fire. They are currently evaluating their space needs. This may result in our service building a stand-alone station, or participating in a combined project. The stand-alone station project cost is based on a 4,080 sq ft building with office space, living quarters and a garage bay for 2 ambulances.

**Expenditures (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase	-	500,000	-	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	-	-	-	-	-
<b>TOTAL</b>	-	500,000	-	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	-	500,000	-	-	-
Other (prior year carryover)	-	-	-	-	-
<b>TOTAL</b>	-	500,000	-	-	-

(all columns are formatted--just enter the amounts with no decimals)

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Emergency Services  
Project Name: Jacksonport/Egg Harbor EMS Station

Submitted By: Jeff Roemer  
Date: 4/20/2017

Priority: Urgent/Necessary/**Growth-Related** (circle one)

**Description (summarized--detailed project plan, location, and justification to be attached):**  
This CIP request is for the future need of an EMS station in the Jacksonport or Egg Harbor area.

**Location (summarized--detailed project plan, location, and justification to be attached):**  
Jacksonport or Egg Harbor

**Justification (summarized--detailed project plan, location, and justification to be attached):**  
As outlined by the 2015 final report of the EMS Ad Hoc Committee, an EMS station will be needed in the mid-county area to cover response gaps. The EMS station project cost is based on a 4,080 sq ft building with office space, living quarters and a garage bay for 2 ambulances.

<b>Expenditures (in thousands)</b> <i>Provide \$ amounts for all years if applicable.</i>	<b>Budget 2018</b>	<b>Proposed 2019</b>	<b>Proposed 2020</b>	<b>Proposed 2021</b>	<b>Proposed 2022</b>
Building Construction/Remodeling/Purchase	-		-	-	500,000
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	500,000

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

<b>Funding Source (in thousands)</b> <i>Provide \$ amounts for all years if applicable.</i>	<b>Budget 2018</b>	<b>Proposed 2019</b>	<b>Proposed 2020</b>	<b>Proposed 2021</b>	<b>Proposed 2022</b>
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	-	-	-	-	500,000
Other (prior year carryover)	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	500,000

(all columns are formatted--just enter the amounts with no decimals)

# **C.I.P REQUESTS**

## **FINANCE**

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Finance  
Project Name: Replace Ceridian Payroll Software

Submitted By: Mark Janiak  
Date: May, 2017

Priority: Urgent/Necessary/Growth-Related (circle one)

**Description (summarized--detailed project plan, location, and justification to be attached):** Replace existing Ceridian payroll software with new payroll software. Cost quoted from Ceridian in 2016 was \$61,470; estimate 2019 cost to be \$75,000. Before purchasing new time and attendance/payroll processing software, we will evaluate other alternatives from other companies.

**Location (summarized--detailed project plan, location, and justification to be attached):**

**Justification (summarized--detailed project plan, location, and justification to be attached):** Our Ceridian time and attendance/payroll processing software was installed in 2011. Although they presently support this software, Ceridian has indicated that they will phase out the current version by the year 2020. Door County will need to purchase, install, and implement a new time and attendance/payroll processing software package--either from Ceridian or another vendor-- by that time.

**Expenditures (in thousands)**  
Provide \$ amounts for all years if applicable.

	Proposed 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase	-	-	-	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase		75,000	-	-	-
<b>TOTAL</b>	-	75,000	-	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
Provide \$ amounts for all years if applicable.

	Proposed 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy		75,000	-	-	-
Other (prior year carryover) -		-	-	-	-
<b>TOTAL</b>	-	75,000	-	-	-

# Ceridian HCM Dayforce Investment Summary

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## Recurring Investment

Product	Rate	Quantity	Monthly Charge
Dayforce HCM Payroll, Benefits & Time Bundle - Payroll, HR, Benefits, Self Service, Workforce Management, Shift Trading, Enrollment, Single Sign-On, & ACA	\$14.20	520	\$7,384
Tax Services - \$55 per FEIN, \$10 per State			\$65
Document Management	\$1.25	520	\$650
My Dashboards / Analytics	\$1.65	520	\$858



# Ceridian HCM Dayforce Investment Summary

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## Implementation and Recommended Training Investment

Item	Rate	Quantity	Charge
Dayforce Implementation – Quoted for services on previous page			<b>\$54,420</b>
Dayforce On-Going Training (My Path + 2 Live Memberships)			<b>\$7,050</b>
Insights Conference Annual Passes	\$999	2	<b>\$1,998</b>



**C.I.P REQUESTS**  
**INFORMATION SYSTEMS**

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Information Systems  
Project Name: Land Records Software Upgrade

Submitted By: Tom Haight  
Date: 5/31/2017

Priority: Urgent/**Necessary**/Growth-Related (circle one)

**Description (summarized--detailed project plan, location, and justification to be attached):**  
Land Records Database and software system for servicing various functions in a number of departments, that may include Land Use Services, Soil & Water Conservation, Register of Deeds and Treasurer with technical support from Information Systems. Functions that may be sought could include: property assessment; information exchanges with municipal assessors; tax calculation & billing; treasurer receipting & settlement; cash receipting; document integration with Register of Deeds; zoning & sanitary permit tracking; GIS integration with Web Map; and a web portal for public access to records & online payments.

**Location (summarized--detailed project plan, location, and justification to be attached):**  
New system could be housed within County IS Department and/or cloud services.

**Justification (summarized--detailed project plan, location, and justification to be attached):**  
A Land Records Management System was identified in the 2015 Door County Land Information Modernization Plan (page 23) as a potential goal to be researched. A new land records system could provide greater capabilities and efficiencies for managing and sharing records through improved technologies and workflows.

**Expenditures (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase	-	-	-	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	225,000	-	-	-	-
<b>TOTAL</b>	<b>225,000</b>	-	-	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy		-	-	-	-
Funding from Land Modernization Reserve	225,000				
Other (prior year carryover)	-	-	-	-	-
<b>TOTAL</b>	<b>225,000</b>	-	-	-	-

(all columns are formatted--just enter the amounts with no decimals)

Summary of LRS Costs

<u>Pricing</u>	<u>Function</u>	<u>Door County</u>	<u>TechAir</u>	<u>GCS</u>	<u>Transcendent</u>
<b>Software</b>	<b>LRS Software</b>		<b>\$ 183,810.00</b>	<b>\$ 105,000.00</b>	<b>\$ 143,250.00</b>
	Parcels/Tax	existing	\$ 33,000.00		\$ 83,250.00
	Web Portal	existing	\$ 53,625.00		\$ 14,000.00
	Permits	limited	\$ 33,825.00		\$ 20,000.00
	Conservation	none	\$ 33,000.00		\$ 26,000.00
	GIS Integration	existing	\$ 10,560.00		
	Mobile Configuration	limited	\$ 9,900.00		
	RoD Integration	limited	\$ 9,900.00		
<b>Conversion</b>	<b>(one-time)</b>		<b>\$ 24,750.00</b>	<b>\$ 27,600.00</b>	<b>\$ 37,375.00</b>
	Parcels/Tax			\$ 10,000.00	\$ 22,375.00
	Permits			\$ 5,000.00	\$ 10,000.00
	Install software			\$ 4,800.00	
	Training			\$ 7,800.00	\$ 5,000.00
<b>Options</b>				<b>\$ 21,000.00</b>	
<b>TOTAL PURCHASE</b>			<b>\$ 208,560.00</b>	<b>\$ 153,600.00</b>	<b>\$ 180,625.00</b>
<b>Maintenance</b>	<b>Annual Costs</b>		<b>\$ 99,000.00</b>	<b>\$ 20,180.00</b>	<b>\$ 34,850.00</b>
			Continuous Imp		
<b>Hardware</b>			<b>Pages 12 &amp; 13</b>	<b>Page 11</b>	<b>Page 27</b>
<b>County Objectives</b>			<b>Pages 1 -9</b>	<b>Pages 23 - 37</b>	<b>Pages 29 - 43</b>

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Information Systems  
Project Name: Upgrade FOB System

Submitted By: Jason Rouer  
Date: 6/8/2017

Priority: Urgent/Necessary/**Growth-Related** (circle one)

**Description (summarized--detailed project plan, location, and justification to be attached):**  
The FOB System allows door access/control/logging for our County facilities. Currently each is controlled/maintained by a system in their respective building. The new construction at BUG Fire and EMS/ADRC will already include the new system this would be to bring all the remaining FOB controlled buildings into that same system

**Location (summarized--detailed project plan, location, and justification to be attached):**  
Justice Center, Government Center, Highway, Sister Bay EMS

**Justification (summarized--detailed project plan, location, and justification to be attached):**  
Having all systems in one place would allow for more efficient management of those system and also allow security to be put in place to allow individual departments to handle FOB activations/de-activations.

**Expenditures (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase	-	-	-	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	75,400	-	-	-	-
<b>TOTAL</b>	75,400	-	-	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	75,400	-	-	-	-
Other (prior year carryover)	-	-	-	-	-
<b>TOTAL</b>	75,400	-	-	-	-

(all columns are formatted--just enter the amounts with no decimals)

# DOOR GUARD SECURITY SYSTEMS

MAY 25, 2017

COUNTY OF DOOR ONE DOOR CONTROL

3159 N. Stevenson Pier Road  
Sturgeon Bay, WI 54235  
920-743-7573

*Installation, Service and Design on  
Alarms, CCTV and Monitoring Systems*

JASON ROUER  
INTERIM IT DIRECTOR  
COUNTY OF DOOR  
920-746-5983

## PROPOSAL FOR CONVERSION OF BUILDINGS TO ONE DOOR CONTROL SYSTEM:

DOOR COUNTY SENIOR AND AMBULANCE	36,500.00
LICENSE FOR SENIOR CENTER, HWY DEPT, SISTER BAY EMS & BRUSSELS EMS	1,000.00
JUSTICE CENTER	24,000.00
LICENSE	1,000.00
NEW READERS, IF NEEDED	7,000.00
GOVERNMENT BUILDING	23,000.00
LICENSE	1,000.00
NEW READERS, IF NEEDED	7,000.00
HIGHWAY DEPARTMENT	5,000.00
NEW READERS, IF NEEDED	1,200.00
SISTER BAY EMS	5,000.00
NEW READERS, IF NEEDED	1,200.00
BRUSSELS EMS AT FIRE STATION	20,000.00

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Information Systems  
Project Name: Firewall Upgrade

Submitted By: Jason Rouer  
Date: 6/8/2017

Priority: Urgent/Necessary/Growth-Related (Circle one)

**Description (summarized--detailed project plan, location, and justification to be attached):**  
Our firewall (currently a pair of Sophos SG430 appliances) is a networking device that filters/protects all outside and non-county connections to our environment. It also sets up our secure connections to our remote facilities like Sister Bay EMS and to partners we share resources with such as the Sturgeon Bay School District and Sturgeon Bay Utilities. It was the device that allowed us to pass our outside penetration test. Our current model also does our SPAM filtration, virus blocking, web filtering/Logging, and has high availability for 100% uptime.

**Location (summarized--detailed project plan, location, and justification to be attached):**  
These units reside at our Government Center facility since they have to be close to our internet connection that is terminated in that building.

**Justification (summarized--detailed project plan, location, and justification to be attached):**  
Currently our SG430 firewall has 25Gbps firewall capacity, 4Gbps VPN, 7Gbps filtered firewall, and 2Gbps Antivirus Proxy. The Proposed SG650 has 65Gbps firewall capacity, 10Gbps VPN, 16Gbps for filtered firewall, and 5Gbps Antivirus Proxy, the largest appliance in the Sophos SG class. This roughly triples our performance of the current model. With our new community area network and the possibility of sharing more resources with other entities a firewalled connection is a must to secure our borders. It also allows us to utilize future internet needs. We currently have a 2Gbps internet connection and can go to 10Gbps with current NSight equipment in our environment at this time. This quote also includes antivirus on 600 endpoints (PCs/Laptops/Tablets/etc). Renewal of antivirus alone as of 2018 is \$13,200 for 3 years and renewal of our current SG430 firewall is \$5,000 per year or \$15,000 for 3 years. The quote listed at \$72,950 but at this time the 2nd unit for high availability is free. For budgeting reasons I've added in per the vendor \$11,397 which is the 40% off of the \$18,995 normal price of a 2nd unit since I was assured that discount is obtainable in the future. I've also included \$6,000 for additional Flexi Port modules to add 4 x 10Gbps ports

<b>Expenditures (in thousands)</b>	<b>Budget 2018</b>	<b>Proposed 2019</b>	<b>Proposed 2020</b>	<b>Proposed 2021</b>	<b>Proposed 2022</b>
Provide \$ amounts for all years if applicable.					
Building Construction/Remodeling/Purchase	-	-	-	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	91,000	-	-	-	-
<b>TOTAL</b>	<b>91,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

<b>Funding Source (in thousands)</b>	<b>Budget 2018</b>	<b>Proposed 2019</b>	<b>Proposed 2020</b>	<b>Proposed 2021</b>	<b>Proposed 2022</b>
Provide \$ amounts for all years if applicable.					
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	91,000	-	-	-	-
Other (prior year carryover)	-	-	-	-	-
<b>TOTAL</b>	<b>91,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

(all columns are formatted--just enter the amounts with no decimals)

Layer 3 Technologies, Inc.  
 1645 Lyell Avenue -  
 Ste 200  
 Rochester, NY 14606  
 www.layer3direct.com



**Dan Fenlon**  
 Senior Account Executive  
[dfenlon@layer3direct.com](mailto:dfenlon@layer3direct.com)  
 Phone: (585) 254-1966  
 Fax: (585) 254-2266

**CONTACT INFORMATION:**

**SHIP TO:**

**LEASING COMPANY:**

Company: Door County Contact: Jason Rouer Email: <a href="mailto:JRouer@co.door.wi.us">JRouer@co.door.wi.us</a>	Company: Contact: Address: Special Notes:	Company: Contact: Phone: Email:	<b>PLEASE REMIT PAYMENT TO:</b>  LAYER 3 TECHNOLOGIES, INC. Attention: Accounts Receivable 1645 Lyell Avenue - Ste 200 Rochester, NY 14606
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	LAYER 3 TECHNOLOGIES, INC	QUOTATION DATE	EXPIRATION DATE	STATE CONTRACT #			PAYMENT TERMS
	ROCHESTER NY	07/18/16	05/30/17				Net 21
QUANTITY						UNIT PRICE	EXTENDED PRICE
1	SG 650 Ttotal Protect Bundle- 3 Year				\$75,667.00	\$56,750.00	\$56,750.00
1	SG 650 HA Appliance				\$18,995.00		Included
2	Sophos Flexi Port Module				\$2,095.00	\$1,500.00	\$3,000.00
600	Sophos Cloud Endpoint Advanced				\$40.25	\$22.00	\$13,200.00
						<b>SUBTOTAL</b>	\$72,950.00
						<b>TOTAL</b>	\$72,950.00

**NOTES:**  
 To place your order, fax a signed copy of this form to 585-254-2266, or scan and email to [dfenlon@layer3direct.com](mailto:dfenlon@layer3direct.com). This quote may not include any state or local taxes and/or shipping charges. Payment of all applicable taxes and/or shipping charges related to the delivery of the products and services included in this quote are the responsibility of the customer. Payment must be made in US Dollars. If you plan to purchase through a leasing company, please fill out the LEASING COMPANY section above. Late payments may apply if past 14 days of Net Payment terms. This may result in a 1.5% month late fee

Purchase Order #: \_\_\_\_\_  
 Authorized Signature: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Date: \_\_\_\_\_

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Information Systems  
Project Name: Storage for Video

Submitted By: Jason Rouer  
Date: 6/8/2017

Priority: Urgent Necessary Growth-Related (circle one)

**Description (summarized--detailed project plan, location, and justification to be attached):**  
The compute platform upgraded our production storage area network (SAN) and left all but video related projects on our aged HP Lefthand SAN Solution. This includes but not limited to IMS21, Arbitrator, and IP Camera System. Currently we're sitting at approx 210TB and projected growth doubling that to 400TB to 500TB. These systems are no longer warrantied and currently maintenance/repair is done entirely by the IS department.

**Location (summarized--detailed project plan, location, and justification to be attached):**  
This new san would reside at our justice center facility, because there is redundancy built in to the system and the data does not have the same importance as production it is not replicated to the Government Center facility.

**Justification (summarized--detailed project plan, location, and justification to be attached):**  
Due to age, reliability, speed, and ongoing maintenance it's prohibitive to continue to run on the old platform in our environment. We are without the option of technical support from HP in the event it is needed. We also purchase needed spare parts refurbished or used via e-bay since finding mainstream vendors to provide them is difficult or impossible in most cases as these systems have reached their end of life.

**Expenditures (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase	-	-	-	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	375,000	-	-	-	-
<b>TOTAL</b>	375,000	-	-	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	375,000	-	-	-	-
Other (prior year carryover)	-	-	-	-	-
<b>TOTAL</b>	375,000	-	-	-	-

(all columns are formatted--just enter the amounts with no decimals)

**Video Storage Solution - Nimble**
**Quote #027258 v1**

 Prepared For:  
**Door County - IS Dept.**  
 Jason Rouer  
 421 Nebraska Street  
 Sturgeon Bay, WI 54235

 Prepared By:  
**Heartland Business Systems**  
 Joanna Thoms  
 1700 Stephen Street  
 Little Chute, WI 54140

 Date Issued:  
**06.07.2017**  
 Expires:  
**07.31.2017**

 P: (920) 746-2498  
 E: jrouer@co.door.wi.us

 P: (920) 687-4126  
 E: jthoms@hbs.net

Hardware/Software	Price	Qty	Ext. Price
SF300-2P-210T-GG <b>Nimble Storage SF300 - 210TB Raw Storage; 2x10Gbe</b>	\$148,206.52	1	\$148,206.52
SLA-NBD <b>Nimble Storage Warranty/Support with Next-Business-Day Replacement for SF300 - 3-year Term</b>	\$24,582.62	1	\$24,582.62
SF-ES2-H210T <b>Nimble SFA 210TB Expansion Shelf (167TB usable)</b>	\$88,043.48	2	\$176,086.96
SLA-NBD-ES2 <b>Nimble Storage Warranty/Support with Next-Business-Day Replacement for Expansion Shelf - 3-year Term</b>	\$12,995.22	2	\$25,990.44
<b>Subtotal</b>			<b>\$374,866.54</b>

Quote Summary	Amount
Hardware/Software	\$374,866.54
<b>Total:</b>	<b>\$374,866.54</b>

By providing your "E-Signature," you are herein providing an electronic signature and thus acknowledging that you have reviewed the above proposal and are accepting the Terms and Conditions contained therein. You acknowledge and understand that your electronic signature is the legal equivalent of your manual signature; you hereby agree that your use of a key pad, mouse or other device used to provide your "E-Signature" constitutes your signature, acceptance, and agreement to the same extent as if you actually signed in writing.

By providing your "E-Signature" you warrant that you have the express authority to execute this agreement and legally bind your organization to the above proposal and terms.

Acceptance	
Heartland Business Systems	Door County - IS Dept.
Joanna Thoms _____ Signature / Name	_____ Signature / Name
06/07/2017 _____ Date	_____ Initials
_____ Date	_____ Date

## HTG Standard Terms &amp; Conditions

**STANDARD TERMS AND CONDITIONS**

The parties to this agreement are Heartland Business Systems, LLC., ("Heartland" or "Seller"), with corporate headquarters located at 1700 Stephen Street, Little Chute WI 54140, and customer (Buyer) who purchases products and/or services from Heartland.

- 1) **ACCEPTANCE.** Buyer accepts these Standard Terms and Conditions as a condition of Buyer's purchase of services and/or products from Heartland.
- 2) **PAYMENT AND TERMS.** All invoices provided by Seller to Buyer shall be paid within 30 days of the invoice date with the exception of Service Block invoices. Service Block invoices shall be paid upon receipt of the invoice. A service charge of \$35.00 will be assessed for each check that is returned for insufficient funds.
- 3) **FORCE MAJEURE.** Heartland's performance hereunder shall be excused if such nonperformance or delay of performance is due to causes beyond the reasonable control of Heartland and is the direct or indirect result of, but not limited to, acts of God, acts of the public enemy, acts of the United States of America, or any state, territory or political subdivision thereof or of the State of Wisconsin, fires, war, riots, terrorism, floods, epidemics, quarantine restrictions, insurrection, strikes, labor shortage, materials shortage or freight embargoes. Any delay in performance due to the force majeure occurrence shall extend the period for performance for the duration of the delay.
- 4) **SHIPPING.** With respect to any products that are to be shipped, shipment shall be FOB Seller's place of business, by common or contract carrier, or, in the case of drop shipment, FOB a manufacturer's or distributor's place of business, by common or contract carrier. Freight charges shall be Buyer's responsibility. "Delivery," as that term is used in this proposal and any resulting contract, shall be deemed completed when the goods have been placed into the hands of the common or contract carrier.
- 5) **WARRANTY.** Any hardware, software, or parts sold to Buyer may be subject to a warranty made by the manufacturer or other third party to Buyer and, if so, the terms and conditions of such warranty are embodied in other documents. Buyer acknowledges that Seller is not a party to any such warranty, and that any rights or remedies that Buyer may have pursuant to said warranty are against the manufacturer or other third party directly, and is not assertable against the Seller. **SELLER MAKES NO WARRANTY WITH RESPECT TO THE PRODUCTS OR SERVICES SOLD HEREUNDER. BUYER ACKNOWLEDGES THAT IT HAS NOT RELIED ON ANY WARRANTY OR REPRESENTATION BY THE SELLER WITH RESPECT TO THE PRODUCTS OR SERVICES SOLD HEREUNDER, EXCEPT AS ARE EXPRESSLY CONTAINED HEREIN. ANY IMPLIED WARRANTY OF MERCHANTABILITY, AND ANY IMPLIED WARRANTY THAT THE PRODUCTS OR SERVICES SOLD HEREUNDER ARE FIT FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED.**
- 6) **PROFESSIONAL SERVICES.** Heartland may provide professional services as requested by the Buyer. All services provided by Heartland, which include labor and travel charges, are subject to the terms and conditions as set forth in this agreement. Services provided by Seller to Buyer may be covered under a manufacturer or other third party warranty, may be applied to a pre-paid Service Block purchased by the Buyer, or may be billed out to the Buyer at the then-prevailing hourly rate. Regardless whether the services are covered under warranty, applied to a Service Block or billed out at an hourly rate, all terms of this agreement apply. Heartland's records shall be the sole measurement of professional services and/or time expended by Heartland.
  - A) **Warranty.** If services provided are in connection with a problem that is covered by a manufacturer or other third party warranty, then such services shall not be counted against a Service Block or billed out at the then-prevailing hourly rate, to the extent of the warranty coverage. Please refer to your manufacturer or third party provided documentation which will define what is covered under warranty. Any labor or travel provided that is not covered under the manufacturer or third party warranty will be applied to a Service Block or billed out at the then-prevailing hourly rate, whichever applies.
  - B) **Service Blocks.** Buyer may choose to purchase a pre-paid Service Block from Seller. When a Service Block is purchased, labor and travel charges incurred will be applied against the service block. Buyer will receive informational invoices detailing the services as they are provided.
    - 1) When a pre-paid Service Block is exhausted an additional Service Block may be purchased. If an additional Service Block is not purchased, then services will be billed out at the then-prevailing hourly rate.
    - 2) Either party may terminate a pre-paid Service Block by giving notice to the other, in writing by mail to the party's last known address, of such intent. If this agreement is terminated before the Service Block is expended, then Heartland shall refund 75% of the unused portion of the fee and may retain the balance.
  - C) **Hourly Rate.** Should services provided not be covered under a manufacturer or third party warranty or should the Buyer not have purchased or not have time available on a Service Block then all labor and travel will be billed out at Heartland's then-

prevailing hourly rate.

- 7) **PROFESSIONAL SERVICE ESTIMATES.** At times, Buyer may request time estimates for service situations. Heartland will provide a best estimate based upon the information that is known at the time of the request. This is to be considered an estimate for service only and not a guarantee. Actual service hours may be less or may be more than the estimate provided.
- 8) **FOUR-HOUR RESPONSE.** For calls received on normal business days, excluding holidays, Heartland will use its best effort to respond to the Buyer's request for service within four business hours (the hours between 8:00 a.m. and 5:00 p.m. CT) of the Buyer's request.
- 9) **ASSIGNABILITY.** Heartland may delegate all, or any part of, its duties hereunder to a subcontractor.
- 10) **EXCLUDED EQUIPMENT.** Heartland may discontinue providing services with respect to any hardware for which it can no longer readily obtain repair parts or technical assistance.
- 11) **BUYER'S RESPONSIBILITY.** Buyer shall use its best efforts to cooperate with Heartland in connection with Seller's carrying out its duties hereunder, and Buyer shall refrain from any act or omission that could frustrate Heartland's performance. In that regard, but not by way of limitation, Buyer shall designate one employee for each location at which services are expected to be rendered under this agreement, with full authority to act for Buyer in the event that Buyer's input is required in order to affect any aspect of the services provided hereunder.
- 12) **BUYER'S WARRANTY AS TO PROPER LICENSING.** Buyer warrants and represents to Seller that it possesses a proper license for all software being used by Buyer's organization and shall hold Heartland harmless from any claims or suits premised upon breach of any third party's proprietary rights with respect to such software.
- 13) **BUYER'S WARRANTY AS TO PROPER BACKUP.** Buyer warrants and represents to Seller that Buyer's data and system has been properly backed up prior to the commencement of any services provided by Heartland and understands that the Seller shall have no liability whatsoever, under any circumstances, for any damages suffered by Buyer as a result of improper backup situations or data which has not been backed up and that is lost, for any reason, in connection with the services or use of the products sold hereunder.
- 14) **NON-SOLICITATION OF HEARTLAND PERSONNEL.** During the term of this Agreement, and for a period of one (1) year after the termination of this Agreement by either party for whatever reason, Buyer shall not, directly or indirectly, encourage any employee of Heartland, who became known to Buyer by virtue of such employee's providing services under this agreement, to terminate his or her employment with Heartland. In addition, during the term of this Agreement, and for a period of one (1) year after the termination of this Agreement by either party for whatever reason, Buyer shall not, directly or indirectly, solicit any employee of Heartland, who became known to Buyer by virtue of such employee's providing services under this Agreement, for employment which would end or diminish that employee's service with Heartland. Buyer acknowledges that Heartland will suffer irreparable harm as a result of Buyer's violation of this paragraph and that may bring an action for injunctive relief and/or actual damages to enforce this provision.
- 15) **SUSPENSION OF PRODUCTS AND/OR SERVICES.** Heartland may, at its option, suspend providing products and/or services hereunder in the event that the Buyer is delinquent on payment of any outstanding invoices.
- 16) **EXCLUSIVE REMEDY/LIMITATION OF LIABILITY.** Notwithstanding any other provision herein, Seller's liability for breach of this agreement, or breach of any warranty, express or implied, found to have been made in connection with this agreement, shall be to repair or replace, at its option, any defective hardware, software, or parts sold hereunder; Seller shall have no liability for any other damages, consequential or otherwise. Seller shall have no liability whatsoever to Buyer if computer software or computer hardware sold hereunder is subsequently upgraded, or is otherwise used with software or hardware that was not used with the software and/or hardware sold hereunder at the time of installation, or if any such software or hardware has been serviced by anyone other than Seller. Seller shall have no liability whatsoever, under any circumstances, for any damages suffered by Buyer as a result of data which has not been backed up and that is lost, for any reason, in connection with the services or use of the products sold hereunder.
- 17) **ACCEPTANCE OF PRODUCTS.** Buyer shall be deemed to have irrevocably accepted the products and services sold hereunder if Buyer has not given to Seller a written notice of rejection, describing the basis for rejection, within 10 business days after delivery.
- 18) **CHOICE OF LAW.** This agreement, and any claim arising under it, or related to the transaction evidenced by it, shall be construed and determined under the laws of Wisconsin.
- 19) **ATTORNEY FEES.** In the event that legal action is taken by either party upon any claim arising from this agreement or in any way related to the transaction that is evidenced by this agreement, Seller shall, if it prevails, be entitled to recover from Buyer its actual reasonable attorney fees incurred in connection therewith.
- 20) **SEVERABILITY.** If any portion of this Agreement is determined by a court or government agency having competent jurisdiction to be

invalid or unenforceable, the remainder of this agreement shall remain in full force and effect to the extent permitted by law.

- 21) **BINDING EFFECT.** This agreement shall bind and inure to the benefit of the parties, and their respective heirs, successors, personal representatives, beneficiaries and assigns.
- 22) **ADDITIONAL WORK.** In the event that while in the process of providing the products or services covered by this agreement, Seller agrees to provide additional products or service not specifically covered by this agreement, the terms and conditions of this agreement shall govern, unless otherwise provided in writing.
- 23) **ENTIRE AGREEMENT.** This is the entire agreement of the parties respecting the sale of the products or services, sold by Seller to Buyer. No modification, addition, or amendment shall be binding unless in writing and signed by both parties.

Buyer accepts these Standard Terms and Conditions as a condition of Buyer's purchase of services and/or products from Heartland.

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Information Systems  
Project Name: Simulcast Ops & Reprogramming

Submitted By: Jason Rouer  
Date: 6/8/2017

Priority: Urgent/**Necessary**/Growth-Related (circle one)

**Description (summarized--detailed project plan, location, and justification to be attached):**

The current simulcast network is composed of the operational channels for the County's public safety radio system and includes channels for law, ems, and fire. It also includes paging. This item is to address adding a secondary or mirrored set of operational channels for public safety personnel to work off of in times of need.

**Location (summarized--detailed project plan, location, and justification to be attached):**

Various towers/locations throughout the County that contain public safety radio equipment

**Justification (summarized--detailed project plan, location, and justification to be attached):**

Per CATS: The current secondary channels are regionally located or using the DoorCom system which only contains 5 sites (Washington Island, Ellison Bay, Sunny Slope, Justice Center, Brussels Hill) making the use of secondary channels inefficient with coverage issues. The simulcast system contains 11 sites and includes those 5 onf DoorCom for the 1st set of operating channels. This would update those existing 5 to simulcast secondary channels and add secondary channels to the remaining 6 sites. The benefit of the secondary channels is it streamlines things in dispatch when an incident occurs. It also allows when needed to move to secondary channels freeing up the standard channels that are used for normal operations. All in all It would make the most efficient use of the public safety radio system.

**Expenditures (in thousands)**

Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase	-	-	-	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	320,000	-	-	-	-
<b>TOTAL</b>	320,000	-	-	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**

Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	320,000	-	-	-	-
Other (prior year carryover)	-	-	-	-	-
<b>TOTAL</b>	320,000	-	-	-	-

(all columns are formatted--just enter the amounts with no decimals)



23 East Oak Street  
 Sturgeon Bay, WI 54235  
 Phone (920) 743-0190 Fax (920) 743-2914  
[jbaudhuin@bavelectronicinc.com](mailto:jbaudhuin@bavelectronicinc.com)

**Sent To:**  
 Door County Communication Advisory Technical Sub-Committee  
 Attn: Jason Rouer  
 421 Nebraska Street  
 Sturgeon Bay, WI 54235  
 (920) 746-5983  
[jrouer@co.door.wi.us](mailto:jrouer@co.door.wi.us)

**Quotation Number**  
 OPSSIMULCAST 051017.REV(-)  
**Quotation Date**  
 May 16, 2017  
**Quotation valid until:**  
 June 15, 2017  
**Sales Rep:**  
 Jason Baudhuin  
**Terms:**  
 Net 30  
**Shipping:**  
 Included

Quantity	Part Number	Description	Unit Price	Total
1.00	OPS SIMULCAST	Simulcast Ops Channel, consisting of:	\$ 254,317.00	\$ 254,317.00
2.00	SR45UBDP	Triplite Enclosure, 45RU, Deep		
9.00	SXHMCXE	Harris MastrIII VHF Station and Power Amplifier		
2.00	SRHN01/SRDNCX	Harris MastrIII Auxiliary Receiver and System Equipment		
11.00	SOLAR2 NI/DN12	Simoco Dual Network Interface Unit		
1.00	SOLAR2 NI/DN12	Simoco Dual Console Interface Unit		
2.00	SOLAR2 TM	Simoco Traffic Manager		
28.00	JUMPERS	Internal Coaxial Jumpers		
14.00	JUMPERS	GPS Signal Jumpers		
9.00	DBRM-20-75	Duracomm DC Distribution Panel		
1.00	13US32XX-XX	Comprod Combiner System Expansion		
1.00	874F-70TM-1/4	Comprod Dipole Antenna, 8.5 dB, 138-174 MHz		
250.00	AVA5-50FX	Commscope 7/8" Transmission Line		
1.00	AL5NM-PSA	Commscope 7/8" N-Male Connector		
1.00	AL5NF-PSA	Commscope 7/8" N-Female Connector		
10.00	SSH-78	Commscope 7/8" Stackable Snap-In Hangers, 10 Pack		
4.00	SG78-06B2A	Commscope 7/8" Sure Ground Kit with Weatherproofing		
2.00	19256B	Commscope 7/8" Hoisting Grip		
1.00	IS-50NX-C2-ME	Commscope RF Surge Suppressor, N-Female to N-Male		
20.00	JUMPERS	Internal RF Jumpers		
1.00	MISCELLANEOUS	Installation Supplies (Cables, Connectors, etc.)		
1.00	50030	System and Antenna Installation, Set-Up, Programming, Calibration and Testing		

Sub-Total	\$	254,317.00
Shipping	\$	2,300.00
<b>TOTAL</b>	<b>\$</b>	<b>256,617.00</b>

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Information Systems  
Project Name: Egg Harbor/Carlsville Tower Project

Submitted By: Jason Rouer  
Date: 6/8/2017

Priority: Urgent/**Necessary**/Growth-Related (circle one)

**Description (summarized--detailed project plan, location, and justification to be attached):**

Door County currently owns the Sunny Slope/Carlsville tower and surrounding land at the base of that tower. WPS approached Door County for use of this tower and land space to construct a building. In trade, WPS would offer similar terms to give Door County space on their Egg Harbor site tower and land use for a building to house their public safety radio system equipment.

**Location (summarized--detailed project plan, location, and justification to be attached):**

This project would occur between 2 sites, one at the WPS Substation/Tower Location in Egg Harbor and the other at the Door County Sunny Slope/Carlsville Tower

**Justification (summarized--detailed project plan, location, and justification to be attached):**

Per CATS committee: The Egg Harbor area has been a problem for coverage/capacity especially in the summer with the various activities going on around that area. This CIP item would cover everything needed to bring that site into the Door County Public Radio System including the shelter at that site to house such gear. As a result it would eliminate many of the coverage/capacity issues for that area. The CATS committee approved due to it being a much needed investment to protect the community and its visitors. The quote provided did not include secondary operational channels being added (from the simulcast CIP item if approved) and engineering/programming costs which increased the amount conservatively at \$300,000

<b>Expenditures (in thousands)</b>	<b>Budget</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>
Provide \$ amounts for all years if applicable.	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Building Construction/Remodeling/Purchase	-	-	-	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	300,000	-	-	-	-
<b>TOTAL</b>	<b>300,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

<b>Funding Source (in thousands)</b>	<b>Budget</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>
Provide \$ amounts for all years if applicable.	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	300,000	-	-	-	-
Other (prior year carryover)	-	-	-	-	-
<b>TOTAL</b>	<b>300,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

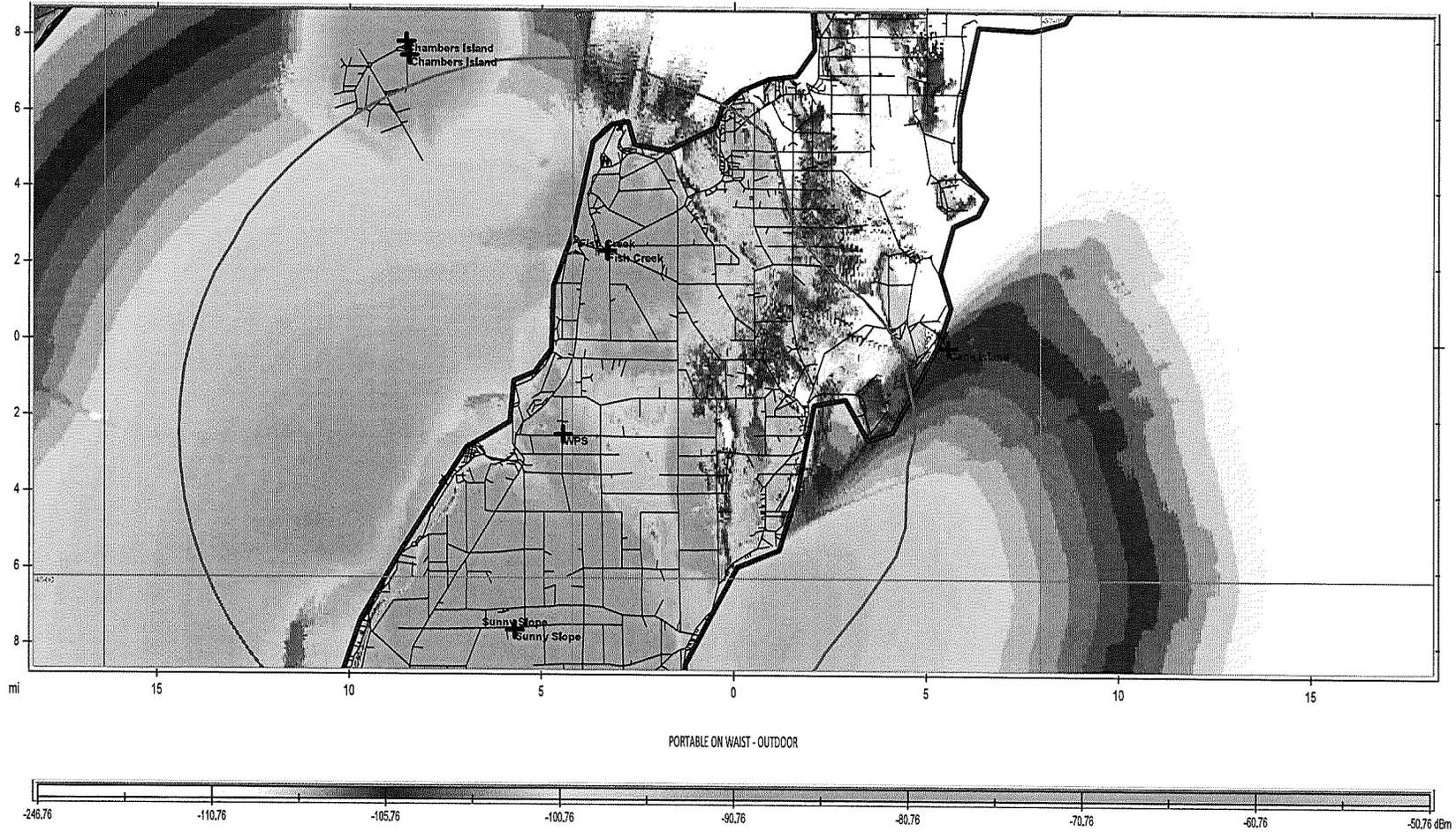
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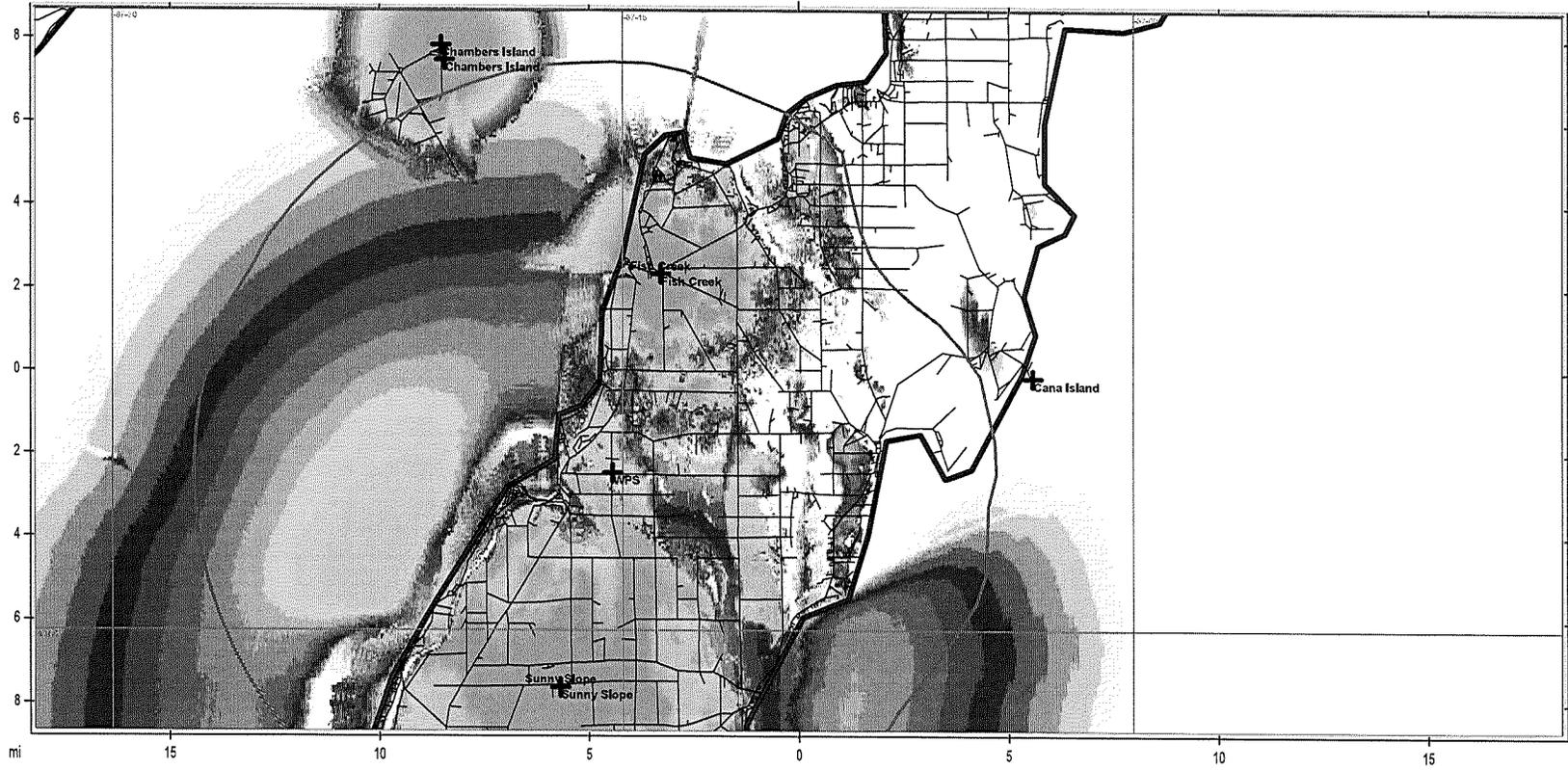
23 East Oak Street  
 Sturgeon Bay, WI 54235  
 Phone: 920.743.0190  
 Fax: 920.743.2914  
[rick@bavelec.com](mailto:rick@bavelec.com)  
[jasonb@bavelec.com](mailto:jasonb@bavelec.com)  
[www.bavelec.com](http://www.bavelec.com)

Quantity	Part Number	Description	Total
1.00	EGG HARBOR RX (SHELTER)	Receive Site at WPS Egg Harbor (Law, EMS, Fire) and Microwave Connection back to Sunnyslope, consisting of:	\$ 211,925.00
3.00	BAR-SB2000R-D3	Simoco SR2000 Analogue Receiver	
1.00	SOLAR2 NI/DN12	Simoco Dual Network Interface Unit	
1.00	SOLAR2 NI12	Simoco Single Network Interface Unit	
1.00	DS1F03F36U-N	DBSpectra Omni Directional Antenna, 150-164 MHz, 3dBd Gain	
1.00	S-300	Commscope 3' Stand Off	
1.00	DB370	Commscope Antenna Mounting Clamp	
175.00	LDF4-50	Commscope 1/2" Heliax Cable	
2.00	L4TNM-PSA	Commscope 1/2" N-Male Connectors	
2.00	43094	Commscope 1/2" Hoisting Grip	
5.00	SSH-12	Commscope 1/2" SnapStak (10 Pack)	
4.00	SG12-06B2A	Commscope 1/2" SureGround Kits	
1.00	IS-50NX-C2-ME	Polyphaser Flange Protector (N Female - N Male)	
1.00	42-33-01-08N	TX/RX Receive Multicoupler	
4.00	JUMPERS	Internal Coaxial Jumpers	
2.00	RDC400L/ODU/F49F/EMB	RAD Airmux 400 Lite, 50 Mb, 4.9 GHz Microwave	
2.00	AIRMUX-POE/GBE/ET/DC*5261060000	RAD POE Device Supp. Ext Temp Range Gb Ethnt Port, 10-60VDC	
2.00	LANRJ45POE	Eritech LAN/POE Surge Protector	
2.00	LANRJ45RAK	Eritech 19" Rack Adapter	
2.00	SPD4-4.7NS	Radio Waves, 4' Parabolic Dish, 4400-5000MHz, 32.6 dBI Gain, N(F)	
1.00	MD-SQ4	Commscope 4' Square Ice Shield	
375.00	AVA5-50	Commscope 7/8" Heliax Cable	
4.00	A5NM-S	Commscope 7/8" N-Male Connectors	
4.00	19256B	Commscope 7/8" Hoisting Grip	
10.00	SSH-78	Commscope 7/8" SnapStak (10 Pack)	
8.00	SG78-06B2A	Commscope 7/8" SureGround Kits	
2.00	LSXL	Polyphaser Coaxial RF Protection, DC Blocked, 2 - 6 GHz	
2.00	BFN	Polyphaser Grounding Adapter	
2.00	JUMPERS	Internal Coaxial Jumpers	
2.00	RLP-4012-BBSCLVD	Duracomm 12VDC Power Supply/Battery Charger	
1.00	DP20ATC-2JC-12	Duracomm DC Distribution Panel	
2.00	TEL12-30	C&D Battery, 12VDC, 30 AH	
1.00	SHELTER	Fibrebond 10' x 12' Shelter	
1.00	50030	Building Installation, Antenna Installation, System Installation, Set-Up and Testing	

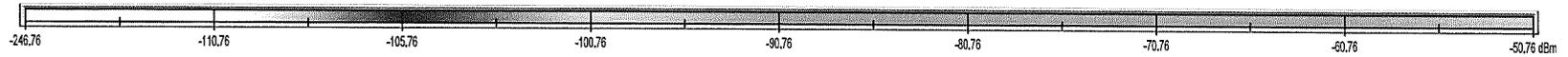
COVERAGE OF SUNNYSLOPE, FISH CREEK AND CHAMBERS ISLAND (CURRENT CONFIGURATION)



COVERAGE OF SUNNYSLOPE, FISH CREEK AND CHAMBERS ISLAND (CURRENT CONFIGURATION)

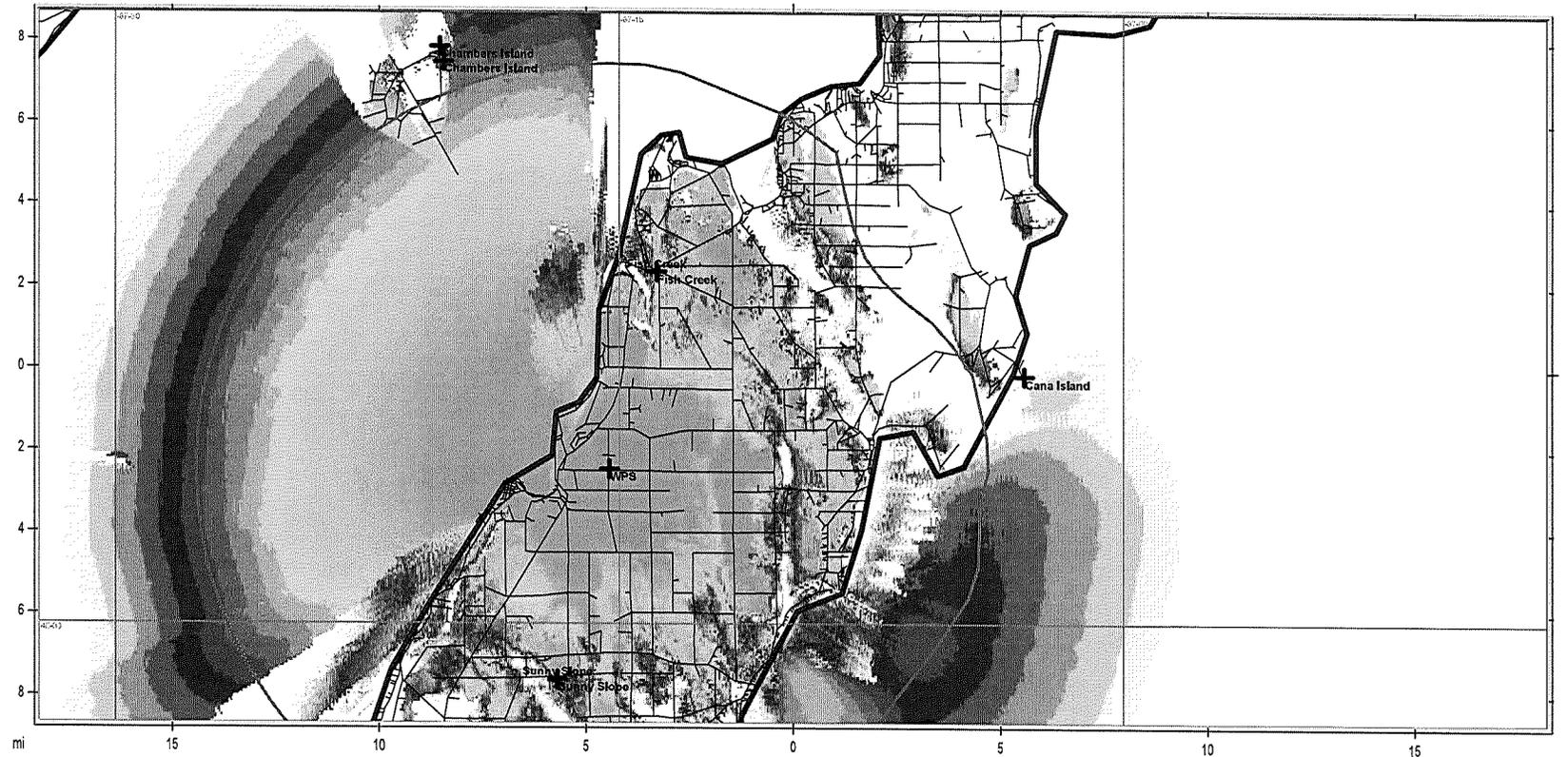


PORTABLE ON WAIST - INDOOR LIGHT BUILDING

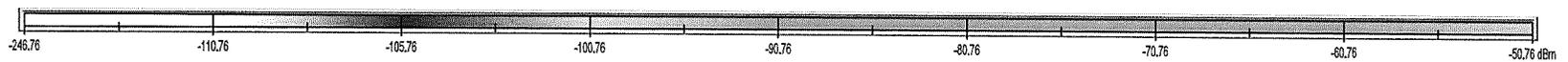


County Borders    Railroads    Streets    Lat/Lon Grid

COVERAGE OF WPS TOWER ONLY

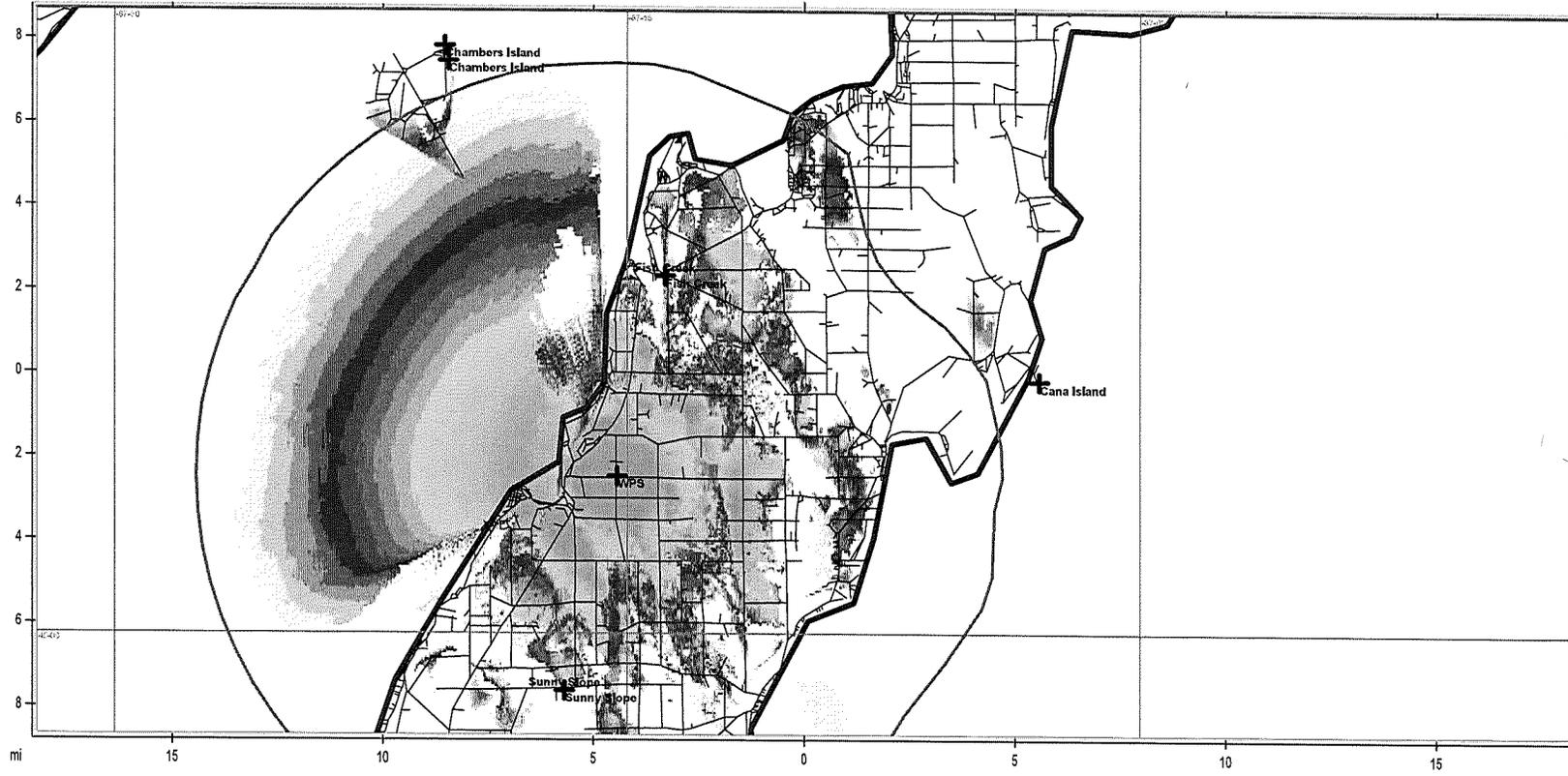


PORTABLE ON WAIST - OUTDOOR

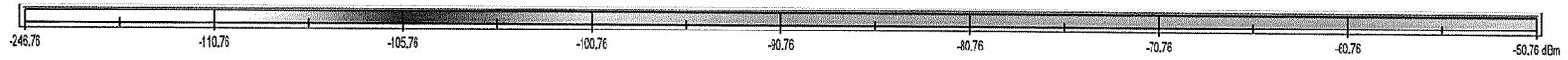


- County Borders
- Railroads
- Streets
- Lat/Lon Grid

COVERAGE OF WPS TOWER ONLY

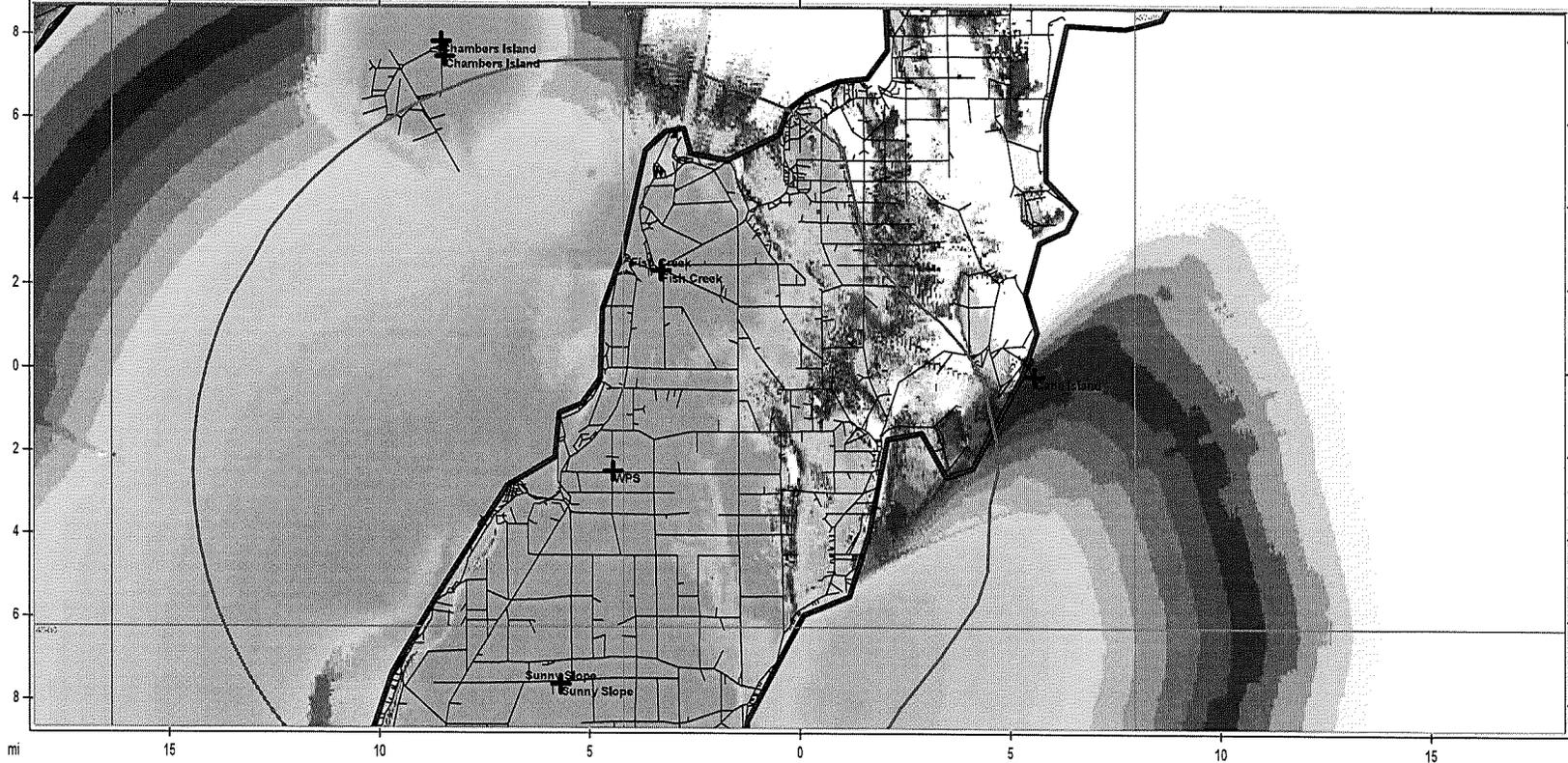


PORTABLE ON WAIST - INDOOR LIGHT BUILDING

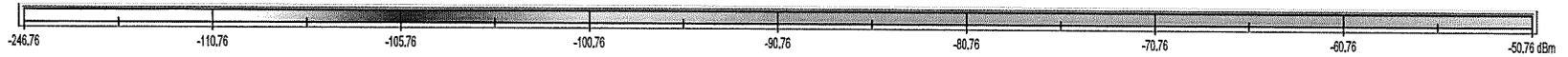


County Borders    Railroads    Streets    Lat/Lon Grid

COVERAGE OF WPS, SUNNYSLOPE, FISH CREEK AND CHAMBERS ISLAND

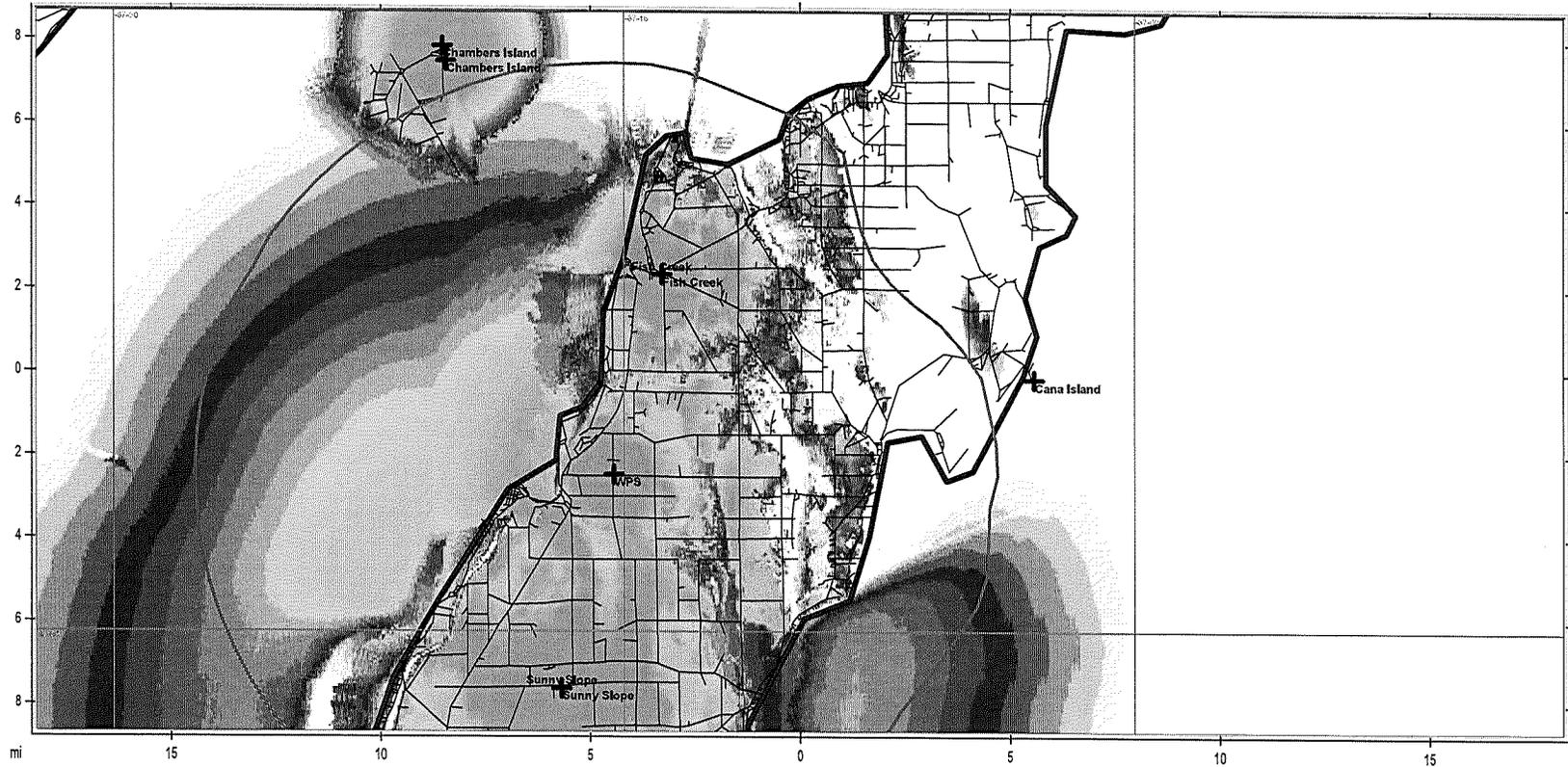


PORTABLE ON WAIST - OUTDOOR

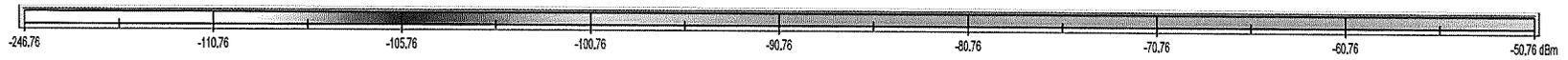


County Borders    Railroads    Streets    Lat/Lon Grid

COVERAGE OF WPS, SUNNYSLOPE, FISH CREEK AND CHAMBERS ISLAND

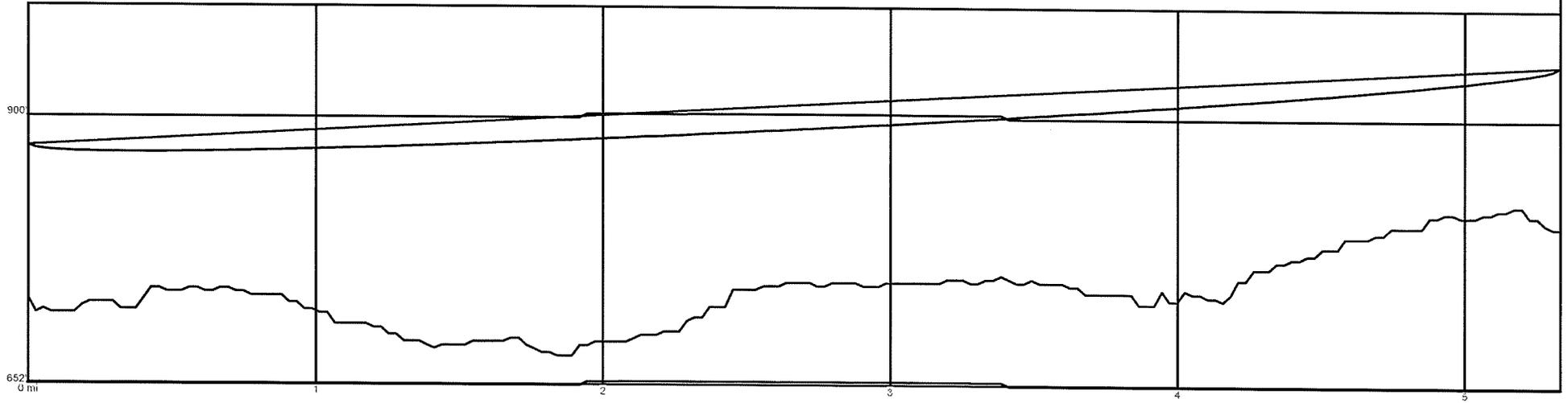


PORTABLE ON WAIST - INDOOR LIGHT BUILDING



County Borders    Railroads    Streets    Lat/Lon Grid

ComStudy 2 Path Profile



**WPS**

Lat: 45-03-18.0 N  
 Lon: 87-15-17.5 W  
 AMSL: 733 ft  
 Tower AGL: 141 ft

**SUNNYSLOPE**

Lat: 44-58-48.0 N  
 Lon: 87-16-50.0 W  
 AMSL: 801 ft  
 Tower AGL: 151 ft

**Profile Info**

Distance: 5.33 mi  
 Bearing: 193.82 deg  
 # of points: 200  
 K value: 1.333  
 Frequency: 4900.0000  
 Clearance: 0.6

**Losses**

Base Loss: 124.9 dB  
 Fade Margin: N/A  
 Diffraction: 0.0 dB  
 Fresnel: 0.0 dB

**C.I.P REQUESTS**

**LIBRARY**

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Library

Submitted By: Tina Kakuske, Director

Project Name: Roof Replacement

Date: 4/17/2017

Priority: Urgent/Necessary/Growth-Related (circle one)

**URGENT**

**Description (summarized--detailed project plan, location, and justification to be attached):**  
*Replace roof at 107 S. 4th Avenue, Sturgeon Bay, WI*

**Location (summarized--detailed project plan, location, and justification to be attached):**  
*Sturgeon Bay Library, 107 S. 4th Avenue, Sturgeon Bay, WI 54235*

**Justification (summarized--detailed project plan, location, and justification to be attached):** (See attached note.)  
*Project was approved for 2017, has been moved to 2018 by Property Committee. Amount of \$150,000 was suggested by Dept. Manager of Buildings and Grounds, Wayne Spritka - see bid (at Bldg & Grounds Dept.) as justification of project cost.*

**Expenditures (in thousands)**  
 Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase	150,000	-	-	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	-	-	-	-	-
<b>TOTAL</b>	<b>150,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
 Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy <i>Door County</i>	27,558	-	-	-	-
Other Funding <i>City of SB</i>	75,000	-	-	-	-
Other (prior year carryover)	47,442	-	-	-	-
<b>TOTAL</b>	<b>150,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

(all columns are formatted--just enter the amounts with no decimals)

**BID OPENING – Wednesday, April 5, 2017, 9:00 a.m.  
FOR: Roof Replacement – Library and Miller Art Museum**

Present: Wayne Spritka, Building & Grounds Director  
Lori Holtz, Admin. Assistant

	<b>Proposal Received from:</b>	
1)	Schaus Roofing & Mechanical Contractors Inc. 290 Calumet Avenue Manitowoc, WI 54220	Base Bid: \$119,482.00  Alternate Bid #1 (Heat Tape) \$31,042.00  Alternate Bid #2 (gutters & downspouts \$4,342.00
2)		
3)		
4)		
5)		
6)		
7)		

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Library  
Project Name: Chiller

Submitted By: Tina Kakuske, Director  
Date: 4/17/2017

Priority: Urgent **Necessary** Growth-Related (circle one)      **NECESSARY**

**Description (summarized--detailed project plan, location, and justification to be attached):**  
*New chiller at 107 S. 4th Avenue, Sturgeon Bay, WI*

**Location (summarized--detailed project plan, location, and justification to be attached):**  
*Sturgeon Bay Library, 107 S. 4th Avenue, Sturgeon Bay, WI 54235*

**Justification (summarized--detailed project plan, location, and justification to be attached):**  
*See attached proposal from Bassett Mechanical totaling \$78,037. Adding 10% to account for proposed project year of 2019.*

**Expenditures (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase		85,840	-	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	-	-	-	-	-
<b>TOTAL</b>	-	85,840	-	-	-

**(Note: The oversight committee is to recommend the funding source  
before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy <i>Door County</i>	-	42,920	-	-	-
Other (prior year carryover) <i>City of SB</i>	-	42,920	-	-	-
<b>TOTAL</b>	-	85,840	-	-	-

(all columns are formatted--just enter the amounts with no decimals)



# Door County Library Chiller Budget

**PREPARED FOR:**

*Tim Clark*  
*Door County Library*  
*107 South 4<sup>th</sup> Street*  
*Sturgeon Bay, WI 54235*



**PREPARED BY:**

*Jon Piette*  
*HVAC Project Specialist*  
Bassett Mechanical  
Phone: 920-462-1777  
[jon.piette@bassettmechanical.com](mailto:jon.piette@bassettmechanical.com)

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1215 Hyland Avenue  
Kaukauna, WI 54130  
920-759-2500  
800-236-2500  
FAX: 920-759-2525  
[www.bassettmechanical.com](http://www.bassettmechanical.com)

Date: 4.12.2017  
Quote Number: JP-497332

*We answer to you*



# PROJECT / PROPOSAL AGREEMENT

4.12.2017

**Tim Clark**  
**Door County Library**  
**107 South 4<sup>th</sup> Street**  
**Sturgeon Bay, WI 54235**

RE: *Door County Library Chiller Budget*  
Quote #: JP-497332

*This budgetary proposal includes equipment, parts, materials, labor, tools and mileage to replace the chiller at the Door County Library located in Sturgeon Bay, WI. Our proposal is based on a job site inspection and conversation between Jon Piette of Bassett Mechanical and Tim Clark of the Door County Library.*

**Project Includes:**

- New Carrier rotary scroll chiller – 55 tons cooling/R410A refrigerant
- All associated chilled water pipe and fittings necessary for project completion
- Removal of existing chiller which includes proper recovery and disposal of refrigerant along with disposal of the old chiller
- Installation
- Complete operational checkout and start-up by a qualified service technician
- Complete project management
- Labor, tools and mileage
- Recovery machine and cylinders
- Crane Rental
- Freight
- All work to be performed on regular time Monday-Friday 7:00 AM – 3:30 PM
- Bassett’s one year parts, labor and workmanship warranty

**Project Excludes:**

- Additional labor and/or parts and materials that are not listed or described above
- All electrical including electrical changes, line voltage wiring, conduit, disconnects and convenience outlets
- Controls and control wiring
- Insulation
- Glycol
- Premium time labor



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**Budgetary project investment.....\$78,037.00**



Due to the volatility of current market conditions, the price(s) included in this proposal for the material, labor, subcontractor costs, and equipment component(s) identified herein shall remain in effect through and including 30 days from the date of this proposal. Thereafter, Bassett Mechanical may in good faith adjust such prices to reflect increases in the costs or availabilities of such price components. At the time of shipping, any surcharges from our supplier will be added to the costs of this proposal.

**ACCEPTANCE OF PROPOSAL** — Please sign, date and return one copy as acceptance of this proposal. Return via fax, e-mail or postal delivery.

Payment Plan - 50% down, 50% at substantial completion.



**Terms Net 30 Days**

**CONTRACTOR**

**CUSTOMER**



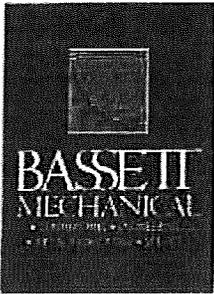
Signature *Jon Piette*  
Name Jon Piette  
Title HVAC Project Specialist  
Date 4.12.2017

Signature/P.O. # \_\_\_\_\_  
Name \_\_\_\_\_  
Title \_\_\_\_\_  
Date \_\_\_\_\_

1215 Hyland Avenue  
Kaukauna, WI 54130  
920-759-2500  
800-238-2500  
FAX: 920-759-2525  
www.bassettmechanical.com

All material is guaranteed to be as specified. All work to be completed in a substantial workmanlike manner according to specifications submitted, per standard practices and per attached "Terms & Conditions" and "Exclusions" pages. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry life, tornado and other necessary insurance. Our workers are fully covered by Workers' Compensation Insurance. Information presented in this quotation is considered proprietary and the sole property of Bassett Mechanical.

*We answered to you*



# INCLUSIONS / EXCLUSIONS

Any products or services not specifically mentioned on this proposal shall be the responsibility of others.

## Bassett Mechanical will provide for the complete:

- Design/Engineering
- Installation
- Replacement
- Retrofit / Repair
- Modification
- Fabrication

## The following checked items will be included in this proposal: (Any items not checked are excluded from this proposal.)

- Thermostat(s)
- Control wiring
- Power wiring
- Disconnects
- Final adjustment and calibrations
- System commissioning
- Systems training program
- Refrigeration specialties
- Refrigerant recovery
- Refrigeration piping
- Condensate drain piping
- Gas piping
- Piping insulation (per code)
- Rigging
- Roof curb blocking
- Roof flashings
- Roof cut and patch
- Standard flat roof curbs
- Exterior caulking
- Equipment bases
- Equipment leasing option
- High lift rental
- Crane rental
- Internal duct insulation (per code)
- External duct insulation (per code)
- Duct cleaning
- Ducted return air
- Duct smoke detectors
- Ductwork (per SMACNA Standards)
- Structural steel & structural engineering
- TABB certified air and/or water balancing
- Flues for boilers and unit heaters
- Diffusers, grilles and registers
- Mechanical equipment screens
- Temporary heating / cooling dehumidification
- Fire dampers
- Outside air intake louvers
- Freight
- Local fee
- State approval and inspections
- Taxes
- Process safety management
- Premium time labor
- Mechanical permits
- Clean Up
- Disposal
- Operational checkout and start-up
- Operation and maintenance manual(s):
- Heat exchanger warranty:
- Compressor warranty:
- Equipment warranty per manufacturer:
- Parts warranty per manufacturer:
- Parts, labor and workmanship warranty: *One (1) Year*
- Freight company – fuel surcharge
- Asbestos removal
- Other:



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## TERMS & CONDITIONS

1. Customer shall permit Bassett Mechanical Contractors & Engineers free and timely access to areas and equipment, and allow Bassett Mechanical Contractors & Engineers to start and stop the equipment as necessary to perform required services. All planned work under this Agreement will be performed during Bassett Mechanical Contractors & Engineers's normal working hours.
2. Bassett Mechanical Contractors & Engineers warrants that the workmanship hereunder shall be free from defects for one (1) year from date of start - up. If any replacement part or item of equipment proves defective, Bassett Mechanical Contractors & Engineers will extend to Customer the benefits of any warranty Bassett Mechanical Contractors & Engineers has received from the manufacturer. Removal and reinstallation of any equipment or materials repaired or replaced under a manufacturer's warranty will be at Bassett Mechanical Contractors & Engineers's expense during the one (1) year warranty.  
\*\*The above noted warranty excludes any/all shaft seal repair or replacements as shaft seals will receive manufacturer's warranty only.\*\*
3. Customer will promptly pay invoices within thirty (30) days of receipt. Should a payment become sixty (60) days or more delinquent, Bassett Mechanical Contractors & Engineers may stop all work under this Agreement without notice and/or cancel this Agreement, and the entire Agreement amount shall become due and payable immediately upon demand.
4. Any alteration to, or deviation from, this Agreement involving extra work, cost of material or labor will become an extra charge (fixed-price amount to be negotiated or on a time-and-material basis at Bassett Mechanical Contractors & Engineers's rates then in effect) over the sum stated in this Agreement.
5. In the event Bassett Mechanical Contractors & Engineers must commence legal action in order to recover any amount payable under this Agreement, Customer shall pay Bassett Mechanical Contractors & Engineers all court costs and attorneys' fees incurred by Bassett Mechanical Contractors & Engineers.
6. Any legal action against Bassett Mechanical Contractors & Engineers relating to this Agreement, or the breach thereof, shall be commenced within one (1) year from the date of the work.
7. Bassett Mechanical Contractors & Engineers shall not be liable for any delay, loss, damage or detention caused by unavailability of machinery, equipment or materials, delay of carriers, strikes, including those by Bassett Mechanical Contractors & Engineers's employees, lockouts, civil or military authority, priority regulations, insurrection or riot, action of the elements, forces of nature, or by any cause beyond its control.
8. To the fullest extent permitted by law both customer and the contractor shall hold harmless the other party, its agent and employees from and against claims, damages, losses and expenses (including but not limited to attorney's fees) to the extent that such claim, damage, loss or expense is caused in whole or in part by an active or passive act or omission of the other party anyone directly or indirectly employed by that party, or anyone for whose acts that may be liable.
9. Customer shall make available to Bassett Mechanical Contractors & Engineers's personnel all pertinent Material Safety Data Sheets (MSDS) pursuant to OSHA's Hazard Communication Standard Regulations.
10. Bassett Mechanical Contractors & Engineers's obligation under this proposal and any subsequent contract does not include the identification, abatement or removal of asbestos or any other toxic or hazardous substances, hazardous wastes or hazardous materials. In the event such substances, wastes or materials are encountered, Bassett Mechanical Contractors & Engineers's sole obligation will be to notify the Owner of their findings. Bassett Mechanical Contractors & Engineers shall have the right thereafter to suspend its work until such substances, wastes or materials and the resultant hazards are removed. The time for completion of the work shall be extended to the extent caused by the suspension and the contract price equitably adjusted. Contractor expressly disclaims any and all responsibility and liability for the indoor air quality of the customer's facility, including without limitation, injury or illness to occupants of the facility or third parties, or damage to the customer's facility, arising out of or in connection with the Contractor's work under this agreement, including without limitation any illness, injury, or damage resulting in any manner from any fungus(es) or spore(s), any substance, vapor or gas produced by or arising out of any fungus(es) or spore(s), or any material, product, building component or structure that contains, harbors, nurtures or acts as a medium for any fungus(es) or spore(s).
11. UNDER NO CIRCUMSTANCES, WHETHER ARISING IN CONTRACT, TORT (INCLUDING NEGLIGENCE), EQUITY OR OTHERWISE, WILL BASSETT MECHANICAL CONTRACTORS & ENGINEERS BE RESPONSIBLE FOR LOSS OF USE, LOSS OF PROFIT, INCREASED OPERATING OR MAINTENANCE EXPENSES, CLAIMS OF CUSTOMER'S TENANTS OR CLIENTS, OR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.
12. Customer shall provide and have in force during all phases of the work, a Builders Risk Insurance policy.
13. Bassett Mechanical Contractors & Engineers shall not be liable for any liquidated damages except those caused by Bassett Mechanical Contractors & Engineers.
14. Customer shall be responsible for all taxes applicable to the services and/or materials hereunder.



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**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Library  
Project Name: Boiler

Submitted By: Tina Kakuske, Director  
Date: 4/17/2017

Priority: Urgent **(Necessary)** Growth-Related (circle one)      **NECESSARY**

**Description (summarized--detailed project plan, location, and justification to be attached):**  
*New boiler at 107 S. 4th Avenue, Sturgeon Bay, WI*

**Location (summarized--detailed project plan, location, and justification to be attached):**  
*Sturgeon Bay Library, 107 S. 4th Avenue, Sturgeon Bay, WI 54235*

**Justification (summarized--detailed project plan, location, and justification to be attached):**  
*See attached proposal from Bassett Mechanical totaling \$51,743, and email from Wayne Spritka to justify the \$57,000.*

**Expenditures (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase			57,000	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	-	-	-	-	-
<b>TOTAL</b>	-	-	57,000	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy <i>Door County</i>			28,500	-	-
Other (prior year carryover) <i>City of SB</i>			28,500	-	-
<b>TOTAL</b>	-	-	57,000	-	-

(all columns are formatted--just enter the amounts with no decimals)



# Door County Library Boiler Budget

PREPARED FOR:  
*Tim Clark*  
*Door County Library*  
*107 South 4<sup>th</sup> Street*  
*Sturgeon Bay, WI 54235*



**ISO9001**  
CERTIFIED

PREPARED BY:  
*Jon Piette*  
*HVAC Project Specialist*  
Bassett Mechanical  
Phone: 920-462-1777  
[jon.piette@bassettmechanical.com](mailto:jon.piette@bassettmechanical.com)

1215 Hyland Avenue  
Kaukauna, WI 54130  
920-759-2500  
800-238-2500  
FAX: 920-759-2525  
[www.bassettmechanical.com](http://www.bassettmechanical.com)

Date: *4.14.2017*  
Quote Number: JP-42D579



# PROJECT / PROPOSAL AGREEMENT

4.14.2017

**Tim Clark**  
**Door County Library**  
**107 South 4<sup>th</sup> Street**  
**Sturgeon Bay, WI 54235**

RE: *Door County Library Boiler Budget*  
Quote #: JP-42D579

***This budgetary proposal includes*** equipment, parts, materials, labor, tools and mileage to replace the boiler at the Door County Library located in Sturgeon Bay, WI. Our proposal is based on a job site inspection and conversation between Jon Piette of Bassett Mechanical and Tim Clark of Door County Library.

**Project Includes:**

- New Patterson-Kelley boiler options
  - Velox N1000VX non-condensing boiler (on/off boiler like existing boiler)
  - Modufire N-1000-MFD forced draft fully modulating boiler
- New circulation pump
- New Caleffi dirt and air separator
- New 24 gallon bladder expansion tank
- All associated pipe and fittings necessary for project completion
- New 5" stainless steel boiler stack (Modufire boiler option only)
- Removal of existing boiler which includes proper disposal
- Installation
- Complete operational checkout and start-up by a qualified service technician
- Complete project management
- Labor, tools and mileage
- Freight
- Insulation by sub-contractor
- All work to be performed on regular time Monday-Friday 7:00 AM – 3:30 PM
- Bassett's one year parts, labor and workmanship warranty



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**Project Excludes:**

- Additional labor and/or parts and materials that are not listed or described above
- All electrical including electrical changes, line voltage wiring, conduit, disconnects and convenience outlets
- Premium time labor

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**Budgetary boiler options:**

<b>Patterson-Kelley Velox N1000VX Boiler.....</b>	<b>\$39,838.00</b>
<b>Patterson-Kelley Modufire N-1000-MFD Boiler.....</b>	<b>\$51,743.00</b>

JP-42D579

07/2015



Due to the volatility of current market conditions, the price(s) included in this proposal for the material, labor, subcontractor costs, and equipment component(s) identified herein shall remain in effect through and including 30 days from the date of this proposal. Thereafter, Bassett Mechanical may in good faith adjust such prices to reflect increases in the costs or availabilities of such price components. At the time of shipping, any surcharges from our supplier will be added to the costs of this proposal.

**ACCEPTANCE OF PROPOSAL** – Please sign, date and return one copy as acceptance of this proposal. Return via fax, e-mail or postal delivery.

Payment Plan - 50% down, 50% at substantial completion.



**Terms Net 30 Days**

**CONTRACTOR**

**CUSTOMER**

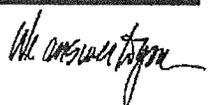
**ISO9001**  
CERTIFIED

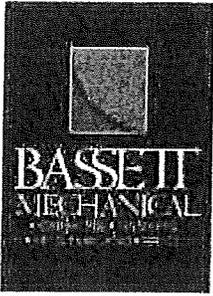
Signature   
Name Jon Piette  
Title HVAC Project Specialist  
Date 4.14.2017

Signature/P.O. # \_\_\_\_\_  
Name \_\_\_\_\_  
Title \_\_\_\_\_  
Date \_\_\_\_\_

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All material is guaranteed to be as specified. All work to be completed in a substantial workmanlike manner according to specifications submitted, per standard practices and per attached "Terms & Conditions" and "Exclusions" pages. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry life, tornado and other necessary insurance. Our workers are fully covered by Workers' Compensation Insurance. Information presented in this quotation is considered proprietary and the sole property of Bassett Mechanical.





# INCLUSIONS / EXCLUSIONS

Any products or services not specifically mentioned on this proposal shall be the responsibility of others.

## Bassett Mechanical will provide for the complete:

- Design/Engineering
- Installation
- Replacement
- Retrofit / Repair
- Modification
- Fabrication

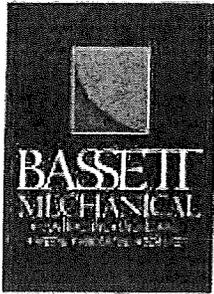
## The following checked items will be included in this proposal: (Any items not checked are excluded from this proposal.)

- Thermostat(s)
- Control wiring
- Power wiring
- Disconnects
- Final adjustment and calibrations
- System commissioning
- Systems training program
- Refrigeration specialties
- Refrigerant recovery
- Refrigeration piping
- Condensate drain piping
- Gas piping
- Piping insulation (per code)
- Rigging
- Roof curb blocking
- Roof flashings
- Roof cut and patch
- Standard flat roof curbs
- Exterior caulking
- Equipment bases
- Equipment leasing option
- High lift rental
- Crane rental
- Internal duct insulation (per code)
- External duct insulation (per code)
- Duct cleaning
- Ducted return air
- Duct smoke detectors
- Ductwork (per SMACNA Standards)
- Structural steel & structural engineering
- TABB certified air and/or water balancing
- Flues for boilers and unit heaters
- Diffusers, grilles and registers
- Mechanical equipment screens
- Temporary heating / cooling dehumidification
- Fire dampers
- Outside air intake louvers
- Freight
- Local fee
- State approval and inspections
- Taxes
- Process safety management
- Premium time labor
- Mechanical permits
- Clean Up
- Disposal
- Operational checkout and start-up
- Operation and maintenance manual(s):
- Heat exchanger warranty:
- Compressor warranty:
- Equipment warranty per manufacturer:
- Parts warranty per manufacturer:
- Parts, labor and workmanship warranty: *One (1) Year*
- Freight company -- fuel surcharge
- Asbestos removal
- Other:



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## TERMS & CONDITIONS

1. Customer shall permit Bassett Mechanical Contractors & Engineers free and timely access to areas and equipment, and allow Bassett Mechanical Contractors & Engineers to start and stop the equipment as necessary to perform required services. All planned work under this Agreement will be performed during Bassett Mechanical Contractors & Engineers's normal working hours.
2. Bassett Mechanical Contractors & Engineers warrants that the workmanship hereunder shall be free from defects for one (1) year from date of start - up. If any replacement part or item of equipment proves defective, Bassett Mechanical Contractors & Engineers will extend to Customer the benefits of any warranty Bassett Mechanical Contractors & Engineers has received from the manufacturer. Removal and reinstallation of any equipment or materials repaired or replaced under a manufacturer's warranty will be at Bassett Mechanical Contractors & Engineers's expense during the one (1) year warranty.  
\*\*The above noted warranty excludes any/all shaft seal repair or replacements as shaft seals will receive manufacturer's warranty only.\*\*
3. Customer will promptly pay invoices within thirty (30) days of receipt. Should a payment become sixty (60) days or more delinquent, Bassett Mechanical Contractors & Engineers may stop all work under this Agreement without notice and/or cancel this Agreement, and the entire Agreement amount shall become due and payable immediately upon demand.
4. Any alteration to, or deviation from, this Agreement involving extra work, cost of material or labor will become an extra charge (fixed-price amount to be negotiated or on a time-and-material basis at Bassett Mechanical Contractors & Engineers's rates then in effect) over the sum stated in this Agreement.
5. In the event Bassett Mechanical Contractors & Engineers must commence legal action in order to recover any amount payable under this Agreement, Customer shall pay Bassett Mechanical Contractors & Engineers all court costs and attorneys' fees incurred by Bassett Mechanical Contractors & Engineers.
6. Any legal action against Bassett Mechanical Contractors & Engineers relating to this Agreement, or the breach thereof, shall be commenced within one (1) year from the date of the work.
7. Bassett Mechanical Contractors & Engineers shall not be liable for any delay, loss, damage or detention caused by unavailability of machinery, equipment or materials, delay of carriers, strikes, including those by Bassett Mechanical Contractors & Engineers's employees, lockouts, civil or military authority, priority regulations, insurrection or riot, action of the elements, forces of nature, or by any cause beyond its control.
8. To the fullest extent permitted by law both customer and the contractor shall hold harmless the other party, its agent and employees from and against claims, damages, losses and expenses (including but not limited to attorney's fees) to the extent that such claim, damage, loss or expense is caused in whole or in part by an active or passive act or omission of the other party anyone directly or indirectly employed by that party, or anyone for whose acts that may be liable.
9. Customer shall make available to Bassett Mechanical Contractors & Engineers's personnel all pertinent Material Safety Data Sheets (MSDS) pursuant to OSHA's Hazard Communication Standard Regulations.
10. Bassett Mechanical Contractors & Engineers's obligation under this proposal and any subsequent contract does not include the identification, abatement or removal of asbestos or any other toxic or hazardous substances, hazardous wastes or hazardous materials. In the event such substances, wastes or materials are encountered, Bassett Mechanical Contractors & Engineers's sole obligation will be to notify the Owner of their findings. Bassett Mechanical Contractors & Engineers shall have the right thereafter to suspend its work until such substances, wastes or materials and the resultant hazards are removed. The time for completion of the work shall be extended to the extent caused by the suspension and the contract price equitably adjusted. Contractor expressly disclaims any and all responsibility and liability for the indoor air quality of the customer's facility, including without limitation, injury or illness to occupants of the facility or third parties, or damage to the customer's facility, arising out of or in connection with the Contractor's work under this agreement, including without limitation any illness, injury, or damage resulting in any manner from any fungus(es) or spore(s), any substance, vapor or gas produced by or arising out of any fungus(es) or spore(s), or any material, product, building component or structure that contains, harbors, nurtures or acts as a medium for any fungus(es) or spore(s).
11. UNDER NO CIRCUMSTANCES, WHETHER ARISING IN CONTRACT, TORT (INCLUDING NEGLIGENCE), EQUITY OR OTHERWISE, WILL BASSETT MECHANICAL CONTRACTORS & ENGINEERS BE RESPONSIBLE FOR LOSS OF USE, LOSS OF PROFIT, INCREASED OPERATING OR MAINTENANCE EXPENSES, CLAIMS OF CUSTOMER'S TENANTS OR CLIENTS, OR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.
12. Customer shall provide and have in force during all phases of the work, a Builders Risk Insurance policy.
13. Bassett Mechanical Contractors & Engineers shall not be liable for any liquidated damages except those caused by Bassett Mechanical Contractors & Engineers.
14. Customer shall be responsible for all taxes applicable to the services and/or materials hereunder.



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*We answer to you*

**C.I.P REQUESTS  
MAINTENANCE**

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Maintenance  
Project Name: County Facility Evaluation-Software Program

Submitted By: Wayne Spritka  
Date: 4/1/2017

Priority: Urgent/**Necessary**/Growth-Related (circle one)

**Description:**  
Facility Solutions: Facility Dude- Facility Evaluation program and Software program to evaluate building Maintenance needs, assess Capital equipment and Funding outlays. Develop defined strategic preventative maintenance programs and track equipment and labor of task associated with all maintenance of County Facilities in a Centralized software program.

**Location:** Initial Building assessments to be considered include the following:  
Government Center, Justice Center, Library, Senior Center/ADRC-EMS Central Ambulance Station, Museum, Central Highway shop.

**Justification:**  
To improve long term Capital Planning Strategies of Midlife structures. Prioritize work force staff needs and requirements based on data. Develop standard preventative maintenance program cards. Improve communication of data to Policy makers in a consistent manner and identify life cycle priorities of equipment while planning future growth or reduction.

**Expenditures (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase	-	-	-	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	51,000	-	-	-	-
<b>TOTAL</b>	51,000	-	-	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	51,000	-	-	-	-
Other (prior year carryover)	-	-	-	-	-
<b>TOTAL</b>	51,000	-	-	-	-

(all columns are formatted--just enter the amounts with no decimals)

**PREPARED FOR**

Door County

**PREPARED BY**

Dude Solutions, Inc.

**PUBLISHED ON**

April 06, 2017

April 06, 2017

Ken Pabich  
County Administrator  
Door County  
421 Nebraska Street  
Door, WI 54235

Dear Ken,

Thank you for your interest in our affordable suite of powerful, easy-to-use online tools and services that allow you to save money, increase efficiency, and improve services. We are dedicated to providing best in class solutions with top notch support and training. Our additional services are designed to help you maximize the value of your investment.

Item	Term	Pricing Based On	Investment
MaintenanceEdge	Annual	312,582 Sq. Ft.	\$5,410.00
MaintenanceEdge - Quick Start	One-Time[]	312,582 Sq. Ft.	\$3,005.00
Capital Forecast	Annual	312,582 Sq. Ft.	\$2,950.00
Capital Forecast - Quick Start	One-Time[]	312,582 Sq. Ft.	\$1,815.00
Facility Condition Assessment	One-Time[]	312,582 Sq. Ft.	\$34,384.00
PM Schedule Creation	One-Time[]	312,582 Sq. Ft.	\$3,126.00
		<b>Investment:</b>	<b>\$50,690.00 USD</b>

Pricing for the first renewal term is \$8,360.00

# Quick Start

**Online support and training is standard with each subscription and includes:**

QuickStart is our product implementation service to accelerate time to value. A Dude Client Advisor provides the guidance you need to ensure a smooth transition and boost user adoption. This service includes goal setting, timeline planning, and online training sessions.

## Support

- A live representative is happy to help Monday to Friday, excluding holidays, 8am - 6pm ET. After hours inquiries will be responded to the next business day.
- Send us an email – we answer 99% of our support emails within 1 hour.
- Reach us instantly through our software with live chat!
- Best practices webinars and podcasts which share new trends, popular reports, and tips.
- Training review webcasts are a great resource for clients who need a refresher after their initial training , or for new employees that could benefit from a training session.

# Dude University 2018

We are committed to helping you build your knowledge, network and skills – and **University 2018** (<http://www.university2018.com/>) is the best training and professional development for operations management professionals. Join us for four days of intensive training where you can:

- Build a strategic vision for your department and ensure goals align with the mission and vision of your organization.
- Save your organization time and money by investing in the training you need to keep your operations excellent and highly efficient.
- Learn how your peers are successfully overcoming similar challenges so you can be a leader of positive change.
- Receive hands on training and 1-on-1 guidance from our Client Success experts.

To help make this a no-hassle experience, we have created the Dude Deal, which includes conference registration fees, **4 night's hotel accommodation guaranteed in the conference hotel (check-in Saturday, March 17, 2018 and check-out Wednesday March 21, 2018)**, and complimentary guest room internet. Your registration also includes:

- Industry specific professional development and leadership workshops
- Beginner and advanced solution training classes
- Peer-led best practices roundtables and panel discussions
- Hands-on solution training
- Sunday Opening General Session & Motivational Keynote Speaker
- Registered conference attendees also receive the following meals included:
  - **Sunday Welcome Reception & Dinner**
  - **Hot breakfast Sunday, Monday, Tuesday and Wednesday for conference guest**
  - **Networking lunch on Monday & Tuesday**
  - **A Client Appreciation Dinner Tuesday**

**The All-Inclusive rate for 4 nights of hotel accommodations and conference registration fee is \$1,635. This rate is available on a first come, first serve basis until we sell out or until December 31, 2017, whichever occurs first.**

## **Policies:**

### ***Payment, Cancellations & Substitutions***

- Dude Deal Registrations must be paid in full at the time of booking to secure your hotel room.
- Registrations made after January 26, 2018 must be paid in full at the time of registration booking.
- Written cancellations received by [university@dudesolutions.com](mailto:university@dudesolutions.com) (<mailto:university@dudesolutions.com>) before January 26, 2018 receive a full refund. No refunds are issued after this date.
- Conference attendee substitutions will be accepted through February 23, 2018.

### ***Discounts***

- The Early Bird discount (May 1 through June 30, 2017) is the only discount window available. Discount cannot be combined and cannot exceed \$100. The Early Bird discount must be applied at the time of registration and may not be applied to previous registrations retroactively.

### **Hotel Rooms**

- The hotel does require a major credit card at check-in, no exceptions are permitted.

### **Spouse/Guests**

- The \$100 spouse/guest fee is valid for spouses who wish to attend the Sunday and Tuesday evening dinner and networking events. The fee does not entitle the spouse to attend the full conference or other events outside of 2 evening events mentioned above. If you have multiple employees of an organization, they must register for the full conference fee to attend the sessions, the learning lab and all networking events.
- Only 1 guest/spouse per person is permitted.
- Due to the serving of alcohol on Sunday and Tuesday nights, minors under the age of 21 are not permitted to attend for liability reasons.

## **Facility Condition Assessment with Narrative Report Includes Data Gathering and Import of Data into DSI Software**

### **Purpose:**

The purpose of the partnership facility condition assessment is to assess the facilities based on the following scope, provide narratives that summarize assessment observations and comments, and to import the data into the client's Dude Solutions capital forecasting and maintenance solutions.

All condition assessments will include a bound deliverable containing:

- Narrative report with description of systems and corresponding conditions.
- Digital photos of key components and deficiencies as an Appendix in the narrative.
- 20 year capital Reserve table with systems and component replacement costs and dates.
- Import of systems level detail into client's capital forecasting solution.
- Import major equipment level detail into client's DudeSolutions maintenance solution.

### **Field data collection and condition assessment:**

The field data collection and condition assessment is meant to capture information of all major building systems to the individual component level, including all components considered capital repair items (as opposed to maintenance level items). This includes site paving, HVAC, roofing, electrical, plumbing, vertical transportation systems, building envelope and structural systems.

A Certified Dude Solutions Partner (DSI Partner) will collect, document, and analyze the facilities assessment data to achieve the following:

- At the start of each building or facility assessment we will interview client's staff to understand what improvements have been made in the last three years, what improvements are planned in the next three years and known problems.
- Inventory all major building equipment including quantity, size, asset tag number, manufacturer, model and serial number.
- Identify deficient conditions in terms of deferred maintenance and building condition.
- Provide a reasonable cost analysis for the above-mentioned efforts.
- For single building projects, provide a report for the property that details the assessment data.
- For multi-building projects, data will be collected from every building in the portfolio. Reports will be prepared as follows:

- Major buildings (generally defined as 25,000 square feet or greater and approximately 10% of the project portfolio), a separate report will be prepared.
- Smaller buildings will be grouped into reports by building type, geography or other logical grouping (for example maintenance structures, parks assets, fire stations...)
- Provide individual cost tables and digital photographs to document the deficient conditions at each property.

Based on observations and information obtained from available on-site personnel, The DSI Partner will visually inspect all facilities and properties. Specifically, the assessment will focus on the following components:

#### Heating System

- Identify boilers, furnaces, and major labeled equipment.

#### Ventilation System

- Identify the ventilation systems at the property and assess its overall condition.

#### Air Conditioning System

- Identify the material air-conditioning components, including cooling towers, chillers, and major labeled equipment. Excluded are window units, terminal units, VAV boxes, thermostatic controls.

#### Roofing System

- Identify the material roof systems, including roof type, reported age, slope, drainage, or any unusual roofing conditions. The team will observe for evidence of material repairs, significant ponding, or evidence of material roof leaks.

#### Electrical System

- Identify the electrical service provided and distribution system at the subject property. Observation and evaluation will include switchgear, transformers, emergency generators and main distribution panels. Excluded are step down transformers.

#### Plumbing

- Identify the material plumbing systems at the subject property, including domestic water supply, domestic hot water production over 80 gallons, sanitary sewer, primary backflow preventer or any special or unusual plumbing systems (such as fuel systems, gas systems).

#### Vertical Transportation

- Identify the existing vertical transportation equipment and provide an overall assessment. Detail deficiencies for each elevator and provide an analysis of the remaining useful life, along with budgets for any expected expenditures up to and including modernization or replacement.

#### Building Envelope

- Identify the material elements of the building exterior, to include walls, doors, windows, and fire escapes. This will also include the façade, curtain-wall systems, glazing, exterior sealant, exterior balconies, and stairways. Observations may be subject to grade, accessible balconies, and rooftop vantage points.

#### Structural Components

- Evaluate the footings, foundations, slabs, columns, floor framing system, and roof framing system as part of the structural inspection for soundness. Observations will be subject to grade and visibility of components. This is a visual inspection only and no structural testing of components or materials will be undertaken.

#### Site Paving

- Observe and evaluate the site paving components including paving, curbs, drains and sidewalks.

#### Commercial Kitchen- major equipment (above approximately \$2000 value)

- Walk-in freezer and refrigerator equipment
- Ovens, stoves, broilers, grills
- Reach-in refrigerators and freezers
- Dishwashers
- Fryers

#### Life Safety/Security

- High Level (system level) only-for identification to track maintenance
- Alarm Panels
- Emergency generators
- Exhaust hood fire suppression

#### **Evaluation-**

At the conclusion of the assessment(s), the prepared reports as described above will include:

- A general description of the property and improvements and comment generally on observed conditions.
- Comments for components that are exhibiting deferred maintenance issues and provide estimates for "immediate" and "capital repair" costs based on observed conditions, available maintenance history and industry-standard useful life estimates. If applicable, this analysis will include the review of any available documents pertaining to capital improvements completed within the last three years, or currently under contract. DSI Partner shall also inquire about available maintenance records and procedures and interview current available on-site maintenance staff.
- A schedule for recommended replacement or repairs (schedule of priorities).
- Address critical repairs separately from repairs anticipated over the term of the analysis.
- A FCI index number for each building.
- A twenty year capital plan with an Executive Summary with graphic presentation of results to provide a quick, "user-friendly" summary of the property's observed condition and estimated costs assigned by category.

#### **Cost Estimating-**

Each single building report will include an estimated cost for each system or component repair or replacement anticipated during the evaluation term. The capital needs analysis will be presented as an Excel-based cost table that includes a summary of the description of each component, the age and estimated remaining useful life, the anticipated year of repair or replacement, quantity, unit cost and total cost for the repair of each line item. A consolidated Capital Needs Analysis will be presented that includes all anticipated capital needs for all buildings.

In addition to the detailed description of the deficiencies, we will provide cost estimates for the deficiencies noted. The cost estimate for capital deficiencies will be based on the estimate for maintenance and repair. Project management costs, construction fees, and design fees will be derived using actual costs from previous projects, if available.

DSI Partners use the Uniformat system and the Whitestone Research model for cost estimating. Dude Solutions also maintains and updates our cost estimating system with information received from the field. Through our construction monitoring work, we have current cost data from hundreds of in-progress construction and rehabilitation projects. This allows us to project costs based on local conditions and to maintain a cost database that in most cases is more current than published models.

### **Building Systems Equipment Inventory – Populating Your DudeSolutions account**

An asset survey of major building systems will be conducted for the purpose of noting remaining useful life of major building equipment. A complete equipment inventory for each system will be recorded with information populated to client's account including:

- Building name
- System name (classification)
- Subsystem name (type)
- Component name (description)
- Unit of measure
- Quantity
- Asset tag number
- Manufacturer
- Model
- Serial Number
- Date put in service (if available)
- Condition
- Remaining useful life
- Replacement cost

### **PM Schedule Creation**

Delivered through a Certified Dude Solutions Partner (DSI Partner)

Confirm the asset inventory collected:

- The asset inventory collected will be reviewed with your staff and then imported into client's DudeSolutions account.

PM Schedule Gathering

- The DSI Partner will review PM Task Check-Off Lists with client.
- PM Schedules will be generated off the asset inventory collected by the DSI Partner
- Client will provide technicians or contractors that PM Schedules should be linked to and confirm the frequency and start date for PM Schedules.
- The DSI Partner will provide a list of PM Schedules to be generated to confirm the load balancing for client staffing.

PM Schedule Creation

- DudeSolutions Staff will import the agreed upon PM Schedules into client's account.
- Maximum PM Schedules Created = 40 per building (focused on main buildings).

#### PM Training

- DudeSolutions will provided any extra online training needed for client staff to run reports and to update PM Schedules based on future updates to the existing schedules being created.

## Terms of Service:

- Proposal has been prepared for Door County
- Proposal expires in 60 days
- Initial Term: 12 months
- Payment: Terms are net 30 days
- Automatic invoicing of annual fee will occur at the end of each term unless request for non-renewal is received in writing 30 days prior to renewal date.
- Applicable sales taxes are in addition to the quoted price. If your organization is tax exempt, please email a copy of your Tax Exemption Certificate to [accounting@dudesolutions.com](mailto:accounting@dudesolutions.com) (<mailto:accounting@dudesolutions.com>).
- Please address purchase order to: Dude Solutions, 11000 Regency Parkway, Suite 110, Cary, NC 27518
- Service dates are scheduled Monday-Friday
- Final invoicing for Facility Condition Assessment will occur when draft reports/data files are delivered. For Facility Condition Assessment projects larger than 154,000 square feet, invoicing will occur based on a milestone billing schedule as defined within this scope.
- If a service day is rescheduled or cancelled by Door County, then Door County is responsible for any cancellation fees incurred by rescheduling or cancelling travel and living fees.
- Onsite service days rescheduled less than 2 weeks before the scheduled delivery date will incur cancellation fees.
- Services will be scheduled upon written acceptance of the terms and conditions working of this proposal.
- We must allow 2 weeks of lead time from the purchase date for booking service for travel and living purposes.
- Dude Solutions, Inc. maintains the necessary liability coverage for their products and services. Proof of insurance can be provided upon request.
- If within 60 days of order you are not completely satisfied, you can cancel your service for a full refund of subscription fees.
- Pricing is based upon Dude Solutions, Inc. [standard online subscription agreement \(http://dudesolutions.com/terms\)](http://dudesolutions.com/terms)
- Although the terms of this document control, all other conditions of use can be found at: [http://dudesolutions.com/terms \(http://dudesolutions.com/terms\)](http://dudesolutions.com/terms)

[\\_ \(http://dudesolutions.com/terms\)](http://dudesolutions.com/terms)

[\\_http://dudesolutions.com/terms](http://dudesolutions.com/terms)

## Signature

Presented to:

Q-25706

April 06, 2017, 4:27:03 PM

Accepted by:

---

**Printed Name**

---

**Signed Name**

---

**Title**

---

**Date**

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Maintenance  
Project Name: John Miles Park- Stage

Submitted By: Wayne Spritka  
Date: 4/1/2017

Priority: Urgent/Necessary **Growth-Related** (circle one)

**Description:**  
24X40 enclosed Stage/Pavillion with electrical

**Location:**  
John Miles Park

**Justification:**  
To improve long term facility management of the John Miles Park Midway.  
End annual rental and lease stage provide venue for future events.  
Annual Stage Rental rate \$4500.00 + insurance

**Expenditures (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase	100,000	88,000	-	-	-
Road Construction/Maintenance		-	-	-	-
Equipment / Software Purchase	-	-	-	-	-
<b>TOTAL</b>	100,000	88,000	-	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	100,000	88,000	-	-	-
Other (prior year carryover)					
<b>TOTAL</b>	100,000	88,000	-	-	-

(all columns are formatted--just enter the amounts with no decimals)



**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Maintenance  
Project Name: John Miles Park- Paving Midway

Submitted By: Wayne Spritka  
Date: 4/1/2017

Priority: Urgent/Necessary/**Growth-Related** (circle one)

**Description:**  
Paving of the Midway- Approximately 17,084 SY

**Location:**  
John Miles Park

**Justification:**  
To improve long term facility management of the John Miles Park Midway.  
Stop oiling of facility, annual cost and maintenance of gravel road bed. Budgeted at \$6,500 per year

**Expenditures (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase		-	-	-	-
Road Construction/Maintenance	200,200	-	-	-	-
Equipment / Software Purchase	-	-	-	-	-
<b>TOTAL</b>	200,200	-	-	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	165,200	-	-	-	-
Other (prior year carryover) from Non-Capital Outlay John Miles Park	35,000				
<b>TOTAL</b>	200,200	-	-	-	-

(all columns are formatted--just enter the amounts with no decimals)

Area Office  
1524 Atkinson Drive  
Green Bay, WI 54303

Northeast Asphalt, Inc.



Thomas E. Ash  
Direct: 920-746-6600  
Cell: 920-309-0623  
Fax: 920-494-0745  
tash@neasphalt.com

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## BUDGET PROPOSAL

**SUBMITTED TO:**

Door County Parks  
421 Nebraska St.  
P.O. Box 670  
Sturgeon Bay, WI 54235-0670

DATE: January 4, 2016  
PHONE: 920-746-9959 FAX: 920-746-2339  
JOB NAME: Door County Fairgrounds Paving  
JOB LOCATION: Sturgeon Bay  
PLAN DATE:

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For furnishing the necessary labor, material and equipment to complete the following:

Phase 1

- Fine grade, water and compact the existing base area of approximately 17,084 SY.
- Construct a single-course 2.5" compacted average depth asphalt pavement on an area of approximately 17,084 SY.
- Price does not include restoration of areas adjacent to new asphalt.

TOTAL PRICE: ~~\$182,000.00~~

*10% - 2017*  
*\$ 200,200 - 2018 update y/s.*

Phase 2

- Fine grade, water and compact the existing base area of approximately 19,998 SY.
- Construct a single-course 2.5" compacted average depth asphalt pavement on an area of approximately 19,998 SY.
- Price does not include restoration of areas adjacent to new asphalt.

TOTAL PRICE: \$218,000.00

If you have any questions on this proposal, please call me at the contact information listed above.

Thank you,  
Tom

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FOR OFFICE USE ONLY

Financial Terms Approved \_\_\_\_\_ Date \_\_\_\_\_

**C.I.P REQUESTS**  
**ADMINISTRATOR**

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Administration

Submitted By: Ken Pabich

Project Name: Remodel Government Center

Date: May, 2017

Priority: Urgent/Necessary/Growth-Related (circle one)

**Description (summarized--detailed project plan, location, and justification to be attached):** An architectural firm (Somerville, Inc.) was engaged in 2017 to study the space needs of Door County departments who occupy the Government Center. This project would involve remodeling and reconfiguring the Government Center based on the results of this architectural study.

**Location (summarized--detailed project plan, location, and justification to be attached):** Door County Government Center.

**Justification (summarized--detailed project plan, location, and justification to be attached):** Since the Government Center was last remodeled in 2008, the Social Services and Community Programs Departments have been combined into the Human Services Department; and the Planning, Sanitarian, and Real Property Listing Departments have been combined with LIO to create the Land Use Services Department. Other departments have also seen changes in staffing and need for space. The amount shown below is a very rough estimate of the anticipated remodeling cost.

<b>Expenditures (in thousands)</b> Provide \$ amounts for all years if applicable.	<b>Proposed 2018</b>	<b>Proposed 2019</b>	<b>Proposed 2020</b>	<b>Proposed 2021</b>	<b>Proposed 2022</b>
Building Construction/Remodeling/Purchase	1,000,000	-	-	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	-	-	-	-	-
<b>TOTAL</b>	1,000,000	-	-	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

<b>Funding Source (in thousands)</b> Provide \$ amounts for all years if applicable.	<b>Proposed 2018</b>	<b>Proposed 2019</b>	<b>Proposed 2020</b>	<b>Proposed 2021</b>	<b>Proposed 2022</b>
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	1,000,000	-	-	-	-
Other (prior year carryover) -	-	-	-	-	-
<b>TOTAL</b>	1,000,000	-	-	-	-

# **C.I.P REQUESTS**

## **PARKS**

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Parks  
Project Name: Forestville Dam Millpond Improvement

Submitted By: Erik Aleson  
Date: 5/15/2017

Priority: Urgent/**Necessary**/Growth-Related (circle one)

**Description (summarized--detailed project plan, location, and justification to be attached):**  
To rehab millpond to improve water quality and recreational opportunities by implementing recommendations of Lake Management Plan.

**Location (summarized--detailed project plan, location, and justification to be attached):**  
Forestville Dam County Park- Millpond

**Justification (summarized--detailed project plan, location, and justification to be attached):**  
This project is a coordinated project between Door County Soil & Water and Door County Parks Departments to reduce water pollution. DCS&W is developing a plan in 2017 which will include recommendations for the millpond and associated structures. The annual tax levy contribution of \$50,000 for 2018 and 2019 along with \$75,000 from 2020 would be accumulated. The plan would be to use the \$175,000 in 2020 as the county share (match) of larger grant funded project.

**Expenditures (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Building Construction/Remodeling/Purchase	50,000	50,000	75,000	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	-	-	-	-	-
<b>TOTAL</b>	50,000	50,000	75,000	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**  
Provide \$ amounts for all years if applicable.

	Budget 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	50,000	50,000	75,000	-	-
Accumulated from CIP from 2018 and 2019	-	-	100,000	-	-
Other (prior year carryover)	-	-	-	-	-
<b>TOTAL</b>	50,000	50,000	175,000	-	-

(all columns are formatted--just enter the amounts with no decimals)

**DOOR COUNTY  
CAPITAL IMPROVEMENT PROJECT (CIP) FORM 2018-2022**

Department: Parks

Submitted By: Erik Aleson

Project Name: Cana Island Restoration Project

Date: 5/15/2017

Priority: Urgent/**Necessary**/Growth-Related (circle one)

**Description (summarized--detailed project plan, location, and justification to be attached):**  
Please see the attached timeline and project description outlining the completion of the Cana Island Light Station Restoration Project.

**Location (summarized--detailed project plan, location, and justification to be attached):**  
Cana Island

**Justification (summarized--detailed project plan, location, and justification to be attached):**  
As part of the annual budget process, utilize Cana Island Reserve Fund to match grants and donations secured by the Door County Maritime Museum for the completion of the Cana Island Light Station Restoration Project.

**Expenditures (in thousands)**

Provide \$ amounts for all years if applicable.

	<i>Budget 2018</i>	<i>Proposed 2019</i>	<i>Proposed 2020</i>	<i>Proposed 2021</i>	<i>Proposed 2022</i>
Building Construction/Remodeling/Purchase	100,000	100,000	100,000	-	-
Road Construction/Maintenance	-	-	-	-	-
Equipment / Software Purchase	-	-	-	-	-
<b>TOTAL</b>	100,000	100,000	100,000	-	-

**(Note: The oversight committee is to recommend the funding source before moving the C.I.P. forward.)**

**Funding Source (in thousands)**

Provide \$ amounts for all years if applicable.

	<i>Budget 2018</i>	<i>Proposed 2019</i>	<i>Proposed 2020</i>	<i>Proposed 2021</i>	<i>Proposed 2022</i>
Long Term Financing (15 years to 25 years)	-	-	-	-	-
Short Term Financing (60 days)	-	-	-	-	-
Federal/State Aids (describe)	-	-	-	-	-
Tax Levy	-	-	-	-	-
Cana Island Reserve Fund	100,000	100,000	100,000		
Accumulated from Cana Island Reserve Fund from 2018 and 2019	-	-	200,000		
Other (prior year carryover)	-	-	-	-	-
<b>TOTAL</b>	100,000	100,000	300,000	-	-

(all columns are formatted--just enter the amounts with no decimals)

### Cana Island Improvements/Light Station Restoration Timeline

**2006** = The Cana Island Light Station was transferred to Door County from the Federal Government (Bureau of Land Management) in the form of a Recreation and Public Purposes Act Land Patent for Cana Island (April 27, 2006). A management and development plan for Cana Island was submitted to BLM as part of the transfer process.

**2007** = Door County entered into an agreement with the Door County Maritime Museum for the rehabilitation, maintenance, development and operation of Cana Island.

**2008-2009** = Door County Maritime Museum worked with Kubala Washatko Architects to develop a Historic Structures Report to help guide the Historic Light Station Restoration efforts.

**2010** = County installed prefabricated concrete vault restrooms and maintenance building. Funding from a Wisconsin DNR Stewardship Grant and also a grant from the Raibrook Foundation. The grants were matched by money from the Cana Island Reserve Fund. (Project Cost \$123,000)

**2011** = County purchased property for parking with funding from a federal Land and Water Conservation Fund Grant, a Wisconsin DNR Stewardship Grant and a Raibrook Foundation Grant. The grants were matched by additional funding from the Cana Island Reserve Fund, the County CIP program, and an advance from the County General Fund. (Total Project Cost \$1.3 million)

**2012-2013** = County developed the parking lot with a federal Land and Water Conservation Fund Grant and the match coming from the Cana Island Reserve Fund. (Project Cost \$64,000)

**2014** = Door County Maritime Museum worked with William Tishler to develop a Cultural Landscape Report for the Cana Island Renovation Project's Historical Period of 1918-1939. (Cost \$10,000)

**2013-2016** = County & DCMM began Light Station Restoration Project.

#### Light Station Restoration Project Summary

**Summer 2013** = After approximately 5 years of a very successful funding raising effort, the Door County Parks Department and the Door County Maritime Museum & Lighthouse Preservation Society proceeded with implementation of the Cana Island Lighthouse restoration plans outlined in the 2009 Historic Structures Report.

**October 2013** = The Door County Board of Supervisors approved the selection committee's recommendation of hiring a A & E firm, River Architects to design the restoration plans & develop project's restoration bid packages & construction documents. (\$84,000)

**January 2014** = a Construction Manager, Immel Construction, was retained for the project to review the costs estimates and help oversee the construction work. Also in January, the project team met with Wisconsin Historical Society in Madison to review the design plans & obtain the final approvals.

**June 2014** = The Door County Board of Supervisors awarded bids on the exterior portion of the renovation work for the Light Tower and Keeper's Residence only. (\$875,000)

**March 2015** = The Parks & Airport Committee awarded bids for lead abatement on the Light Tower. (\$68,000)

**Phases of the Light Station Restoration Project (Estimated Total Project Cost \$2 million)**

**Phase 1 (Fall 2014 through Fall 2016)**

Restoration of the entire exterior of the Light Tower and Keeper's Residence completed.

(Total Phase 1 Cost \$932,000)

**Phase 2 (Summer/Fall of 2017)**

Restoration of the 3 outbuildings that are part of the Light Station: Oil House, Privy and Barn.

(Estimated Cost \$200,000)

**Phase 3 (2018)**

Relocate the Gift Shop from the Keeper's Residence and build the Welcome Center/Interpretive Area (for the 3<sup>rd</sup> Order Fresnel Lens preservation).

(Estimated Cost \$?)

**Phase 4 (2018-2019)**

Restoration to the interior of the Light Tower and Keeper's Residence.

(Estimated Cost \$800,000)

**Restoration Project Completion (2019)**

Celebrate Cana Island Light Station's 150 years (Date of construction was in 1869)

## **DEBT MANAGEMENT PARAMETERS**

This section contains the parameters specified within the Capital Improvements Plan Policies and Procedures adopted by the County Board on May 22, 2007 in Resolution #2007-38. The methodology uses equalized value as the base.

**Table 9  
Debt Management Parameters**

**Maximum Use of County Debt Capacity**

Projected Equalized Value (Based on 2017 Equalized Value)	5% of Equalized Value Per State Statute	15% of Available Capacity - County C.I.P. Policy
\$ 6,967,509,200	\$ 348,375,460	\$ 52,256,319

**Maximum Debt Rate**

Projected Equalized Value	.80 Cents Per \$1,000 Maximum Debt Rate in Dollars
\$ 6,967,509,200	\$ 5,574,007

**Maximum % of Total Expenditures  
for Debt Service**

Budgeted General Fund Expenditures for 2017	Debt Service Cannot Exceed a Maximum of 25% of Budgeted GF Expenditures
\$ 28,967,270	\$ 7,241,818

**2017 Debt Service**

Scheduled Debt Service 2017 Budget	Total Debt 1/1/2017
\$ 2,109,665	\$ 9,540,000

## Door County Outstanding Debt 12/31/16 2015A GO Refunding

<u>Date</u>	<u>Principal</u>	<u>Coupon</u>	<u>Interest</u>	<u>Total P &amp; I</u>	<u>Annual Totals</u>
<b>2015A Refunding</b>					
March 1, 2017	-		86,200.00	86,200.00	
September 1, 2017	1,840,000.00	0.950%	86,200.00	1,926,200.00	2,012,400.00
March 1, 2018	-		77,000.00	77,000.00	
September 1, 2018	1,855,000.00	1.250%	77,000.00	1,932,000.00	2,009,000.00
March 1, 2019	-		58,450.00	58,450.00	
September 1, 2019	1,910,000.00	1.400%	58,450.00	1,968,450.00	2,026,900.00
March 1, 2020	-		39,350.00	39,350.00	
September 1, 2020	1,950,000.00	1.550%	39,350.00	1,989,350.00	2,028,700.00
March 1, 2021	-		19,850.00	19,850.00	
September 1, 2021	<u>1,985,000.00</u>	1.700%	<u>19,850.00</u>	<u>2,004,850.00</u>	<u>2,024,700.00</u>
	9,540,000.00		561,700.00	10,101,700.00	10,101,700.00
<b><u>Totals</u></b>	9,540,000.00		561,700.00	10,101,700.00	10,101,700.00

## **OTHER PERTINENT INFORMATION**

This section contains the Door County Adopted Policy for the Capital Improvements Plan.  
This section also includes guidelines for the CIP & other Non-Major Capital Outlay.

# **DOOR COUNTY, WISCONSIN**

## **CAPITAL IMPROVEMENTS PLAN POLICY AND PROCEDURES**

**Adopted by County Board**

**May 22, 2007**

**Resolution 2007-38**

# Door County Capital Improvements Plan (CIP) Policy and Procedures

## INTRODUCTION AND PURPOSE

### Introduction

The Door County Capital Improvements Plan (CIP) is a schedule of qualifying capital outlay and major County projects expected to be considered during the next five years. The plan represents the comprehensive prioritization of long-range capital needed to protect existing investments, replace assets that have outlived their usefulness, or meet the changing needs of the County. An effective capital improvements plan will provide the basic foundation for an effective decision making process.

### Purpose

The purpose of a CIP is to provide a schedule of projects, which may or should be considered for funding over the next 5 years. It is a planning document. Therefore, inclusion of a project in the CIP does not guarantee it will be funded (i.e. not “set in stone”).

There are several reasons for this CIP process. (1) A CIP sets a realistic schedule of capital improvements that can be implemented within the limits of the County’s financial resources. (2) It is a mechanism for departments to identify potential projects and provide justification for their need to the County Administrator. Projects can be evaluated from a long-term perspective rather than satisfying immediate need. (3) The plan also services as a conduit of information from the various departments to the County Board. (4) It can be a comprehensive document that not only provides continuity in financial decisions but connects long term planning to the annual budget process for major projects. (5) A successful CIP can stabilize the tax levy over time and effectively match future expenditures with the capacity to pay for them in a given time frame. (6) Improving public awareness about future needs is another valuable objective of a CIP.

## THE PROCESS AND PROCEDURE

### Coordination

The capital improvements plan process involves bringing together people and information from nearly all areas of County Government. Because of the scope of this effort, the coordination of the process is extremely important. The Finance Director will make sure that the necessary data and information is collected and assembled into a reviewable format, and to take primary responsibility for drafting the CIP for review by the County Administrator.

## Department Requests

Each department head will compile and submit their proposed projects for the CIP on the capital improvements request form provided (Addendum A). Descriptions of proposed projects, brief justifications for the projects, and identification of the suggested sources of funds to pay for the projects are to be included on this form. Each department head is responsible for having their oversight committee review and approve all capital item requests prior to submitting them to the Finance Director for inclusion in the CIP.

## Determination of Capital Items

For the purposes of the CIP, a capital asset to be included in a CIP is defined as: (1) an expenditure that is for a county department or operation; (2) generally non-recurring; (3) has a cost over \$50,000; and (4) has a service life of five (5) years or greater.

Capital assets or outlay with an individual cost of \$5,000 to \$50,000 will be considered non-major capital, will not be included in the CIP plan and will be handled routinely during the budget process as non-major capital outlay. All non-major capital requests will be requested in the same manner as those that qualify for CIP. Examples of three broad categories are defined as follows:

**Buildings** – New construction or major rehabilitation of buildings;

**Equipment** – Rolling stock (i.e. automobiles, vans, trucks), large equipment such as computer servers, air conditioners, telephone networks, and software (Vehicle replacements are exempt from these criteria but will be included in the non-major capital request listing);

**Improvements** – Minor building rehabilitation, land purchases, highway resurfacing etc.

## Criteria

The County Administrator and Finance Director will go through a screening process. There are two levels of screening that will be used. The first level will identify (1) if there is statutory authority for the County to expend funds on the project, (2) if there is sufficient county wide impact, and (3) if the sponsoring agency is maximizing all other avenues for funding. The second level will examine the project to identify how effectively it meets the overall goals of the County. If a project meets these screening criteria, then it can be ranked in the CIP process. If the project does not meet the screening criteria, the requesting agency will be told where its application is deficient and if a revised request may be resubmitted.

## FUNDING AND DEBT MANAGEMENT GUIDELINES

### Funding Methods

• **Cash Funding.** Any Capital Project that is expected to cost less than \$50,000 will be funded through the tax levy, Federal, State or other funding or a combination thereof.

• **Short Term Financing.** Any capital project that is expected to cost more than **\$50,000** may be considered for funding using short-term notes to achieve the effect of “near cash” financing. For purposes of these guidelines, short term is considered to be an amortization period not to exceed **60** days. Said debt would be scheduled with a sale in December and payoff in January or February.

• **Long Term Financing.** Any capital project that is expected to cost more than **\$50,000**, and that has an anticipated life expectancy of at least **15 years or greater** may be funded with long-term debt with the amortization period equal to a term not to exceed the project’s life expectancy. Regardless of the project life expectancy, the County has established a maximum amortization period for any project financing of **15 years**. The Finance Committee may recommend a longer amortization period for major building projects that would have a useful life of more than 25 years.

### **Debt Management Parameters**

**Financing Guidelines.** In utilizing long term financing for capital projects, the County has established the following debt management parameters:

**Maximum Debt Rate.** The County’s equalized tax rate for long-term debt service will not exceed **80 cents per thousand**.

*Note: the 80¢ is NOT added to the existing rate, but would be the TOTAL maximum debt rate going forward for existing and any new debt. The rate is calculated for the budget year by taking the total debt service plus planned debt service divided by the equalized value divided by \$1,000.*

**Maximum % of Total Expenditures for Debt Service.** The County will not issue long term debt that would result in annual debt service requirements in amounts greater than a number equal to **25%** of its total projected General Fund expenditures budget.

*Note: Rate is calculated for the budget year by taking the total debt service payments (current and planned) and dividing that number by total projected General Fund expenditures). Example: The 2007 payment on existing long-term debt was equal to 9.98% of 2007 budgeted General Fund expenditures. When major capital outlay from the 2007 budget is added to the debt service payment, the total represents approximately 25% of the total General Fund Expenditures budget.*

**Maximum Use of County Debt Capacity.** The County may, per Wisconsin State Statute, issue general obligation debt in a principal amount not to exceed **5%** of its equalized value. The County will at any given time utilize not more than **15%** of its available capacity.

*Note: Calculated by taking 5% of equalized value for budget year and multiplying that number by 15%.*

**Nothing in this policy prohibits the County Board from considering alternative methods of financing when those alternative methods are judged to be in the best interest of the County.**

## **DEVELOPING THE CAPITAL IMPROVEMENTS PLAN**

The County Administrator and Finance Director will prepare the Capital Improvements Plan to be presented to the Finance Committee. To some extent, developing the CIP is a “trial and error” process in which there is a concerted effort to match various funding sources and combination of sources to achieve the best results. The process involves some subjective judgment as to the best combinations.

After the complete Capital Improvements Plan is prepared and adopted by the Finance Committee, it is forwarded to the County Board for review and approval. The program approved by the County Board is subsequently forwarded to the Finance Committee for inclusion in the following year’s budget.

## **IMPLEMENTING, MONITORING, AND UPDATING THE CAPITAL IMPROVEMENTS PROGRAM**

The CIP should be developed somewhat concurrently with the annual operating budget. After the CIP is adopted, the first year of the program becomes the approaching year’s capital budget which is combined with the non-major capital items and vehicle replacement and adopted with the operating budget. These guidelines should be reviewed on an annual basis to ensure they are meeting the ongoing needs of the County. Legislative changes, changes in the County’s financial position, capital project needs, and other variables make it prudent to review these guidelines on a periodic basis and modify them as needed and appropriate.

# **County of Door 2018 Capital Outlay Budget CIP and Non-Major Department Guidelines**

All 2018 Capital Outlay/Capital Improvements requests will be submitted to the Finance Director in the proper format. The 2018 budget schedule specifies when this particular budget information is needed. The route for approval of Outlay requests shall be determined by the dollar amount of your request.

## **Capital Outlay/Capital Improvement items \$5,000-\$50,000**

Capital Outlay/Capital Improvement requests for items \$5,000-\$50,000 are to be included on the non-major Outlay Request Form.

- Complete form and forward to the Finance Director who will catalog and place in a format to be reviewed by the County Administrator.
- **Requests that meet the \$5,000 minimum per item threshold are to be budgeted in account 69901.**
- Non-major capital outlay request form can be found on the P:/2018 County Budget/ 2018 Non-Major Outlay Requests.
- Worksheets can be adjusted to fit your budget information content (maintain letter size).
- Do not include known Vehicle Replacement Fund (VRF) outlay.
- **Do include** requests that are not part of the current VRF (i.e. a department has a need for an additional vehicle—1st time requested).
- Department's will be notified when an item has been rejected or deferred to the subsequent year's budget.

➤ Note→ if you request a workstation that consists of several attaching units and the aggregate value is over \$5,000, count the workstation as one item and budget as Capital Outlay.

## **Capital Projects/Outlay/Capital Improvement/Construction and Building items \$50,000 or More (CIP)**

Capital Outlay/Capital Improvement request for items \$50,000 or more qualify for the CIP (Capital Improvements Plan).

- Policies and procedures are on P:/2018 County Budget/2018 C.I.P. A C.I.P. request form for each project must be completed; forms are available on P:/2018 County Budget/2018 C.I.P./CIP Request Form Template 2018.
- The form, as presented by the individual departments, will be inserted into the CIP for the pertaining budget year.

# **County of Door 2018 Capital Outlay Budget CIP and Non-Major Department Guidelines**

- Departments are required to fill in all information as known. The Description, Location, and Justification are required fields.
- Attach any supporting documentation for items listed.
- The Project ID# will be assigned by the Finance Department.
- Complete a separate CIP form for each CIP project.
- List suggested funding source(s).
- The Door County 2018 Budget Schedule covers the timing for items to be included in the CIP.

## **Outlay items under \$5,000 per item (non-capital outlay)**

- Add to the non-capital outlay of the department budget one-time large purchases that will have an impact on subsequent year's budget.
- Example: if purchasing (2) two workstations at \$4,900 each (\$9,800 total), these would qualify as operational because of the individual dollar amounts but these are items that will not be purchased on an annual basis.
- Typically the following year's budget request, if all else remained static, would be less as the non-capital outlay would not be included.
- The same would hold true for single one time purchases.
- There is a separate account for non-capital outlay purchases within each department—**account number 53136**.
- **It is required that all one-time non-capital outlay be listed in this account.**
- **All non-capital outlay will be approved as per the current budget process. Non-capital outlay is part of your operational budget.**