

<b>Project #</b>	<b>72-20-02</b>	<b>Project Title</b>	2020 Aerial Photography
<b>Department</b>	<b>Planning and Zoning</b>	<b>Manager</b>	Jeff Schuler, Jeff Hartman
<b>Phase</b>	<b>Implementation</b>		
<b>Budget Action</b>	As Planned	<b>Date</b>	February 27, 2015

CAPITAL BUDGET SUMMARY						
Year	2016	2017	2018	2019	2020	Total
Project Phase					Construction	Project
Expenditure Budget					80,000	80,000
Revenue Budget					0	0
Net County Cost	0	0	0	0	80,000	80,000
<b>COST DOCUMENTATION</b>				<b>REVENUE</b>		
Architect/Engineering		0			State Grant	0
Land		0			User Fees	0
Land Improvements		0				0
Building		0				0
Building Improvements		0				0
Plans		0				0
Project Manager/Contractor		80,000				0
Site Preparation		0				0
Equipment		0				0
Furniture		0				0
Fixtures		0				0
Advertising/Legal Notices		0				0
Total Project Cost		80,000			Total Revenue	0
Expenditure Budget		80,000			Revenue Budget	0

**Project Scope & Description:**

In this project we will contract for County-wide aerial photography. The photographs are taken in early spring under "leaf off" conditions. The lack of leaf cover allows Planning and Zoning to interpret activity on the ground more accurately.

**Location:**

Countywide

**Analysis of Need:**

Portage County does this project every 5 years. This program has been funded by the Land Records program in the past. A sharp decline in document filing fees has reduced program revenue to the point where we are unlikely to be able to raise \$80,000. Portage County residents use aerial photography to manage property and plan development. County staff use aerial photography for many applications including land management, law enforcement, land use analysis, and emergency response.

**Alternatives:**

Google, Bing, and USDA agricultural photos. These programs are "leaf on" which obscures ground features and do not meet our accuracy requirements.

**Ongoing Operation Costs:**

None

**Previous Action:**

2016-2021 Capital Plan: New.

<b>Project #</b>	<b>72-20-01</b>	<b>Project Title</b>	Elevation Data Improvement (LiDAR)
<b>Department</b>	<b>Planning and Zoning</b>	<b>Manager</b>	Jeff Schuler, Jeff Hartman
<b>Phase</b>	<b>Implementation</b>		
<b>Budget Action</b>	Update \$, Scope	<b>Date</b>	February 27, 2015

CAPITAL BUDGET SUMMARY						
Year	2016	2017	2018	2019	2020	Total
Project Phase	Implement					Project
Expenditure Budget	236,325					236,325
Revenue Budget	(217,000)					(217,000)
Net County Cost	19,325	0	0	0	0	19,325
<b>COST DOCUMENTATION</b>			<b>REVENUE</b>			
Architect/Engineering		0				217,000
Land		0				0
Land Improvements		0				0
Building		0				0
Building Improvements		0				0
Plans		0				0
Project Manager/Contractor		236,325				0
Site Preparation		0				0
Equipment		0				0
Furniture		0				0
Fixtures		0				0
Advertising/Legal Notices		0				0
Total Project Cost		236,325				217,000
Expenditure Budget		19,325				19,325
						Total Revenue
						217,000
						Revenue Budget
						19,325

**Project Scope & Description:**

This project will collect elevation data County-wide. The elevation information will support creation of two (2) foot contours using Light Detection and Ranging (LiDAR).

**Location:**

Countywide

**Analysis of Need:**

Portage County lacks accurate elevation information. There are many applications for improved elevation information, including: supporting engineering design projects such as ditching and storm water detention basins for the Highway and Land Conservation departments, improve flood risk mapping, allow modelling the impact of conservation practices, aid sighting and design of agricultural, commercial and industrial building projects.

**Alternatives:**

There is an opportunity to build partnerships with other public and private agencies to reduce cost. The \$236,325 amount represents a proposal including significant contribution from the Department of Administration Strategic Initiative grant and a multi-county grant from the U.S. Geological Survey 3D elevation program (3DEP), along with contribution from the County's Land Records Modernization fund.

**Ongoing Operation Costs:**

None

**Previous Action:**

2016-2020 Capital Plan: New.