



Alachua County Pavement Management Program Update

Using AgileAssets Optimization
Software to Develop a Pavement
Management Plan



April 4, 2023

Chris Dawson, AICP Alachua County Transportation Planning Manager
Ramon D. Gavarrete, P.E. Alachua County Public Works Director
Brian C. Kauffman, P.E., Alachua County Assistant Public Works Director
Addie Javed, PE, CFM Mott MacDonald
Arron Gerber, P.E. Mott MacDonald



- **November 8, 2022 Alachua County Voters Pass Ten Year One Penny Surtax**
 - 1st half cent is dedicated to “Wild Spaces & Public Places (WSPP)”
 - 2nd half cent is dedicated to roads, fire stations and other public facilities
 - BOCC allocates 70% to roadways
- **New Surtax will generate approximately \$11.7 million/year for roadways**
 - \$4.2 million in 2023 after city allocations



- **For revenue projections:**

2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
\$17,960,880	\$19,250,527	\$19,250,527	\$19,250,527	\$19,250,527	\$28,615,100	\$28,615,100	\$28,615,100	\$28,615,100	\$28,615,100

- The above revenue projection assume a \$30,000,000 bond in 2028 from the “ELMS” Nickle with the revenues being spent over 5-years.
- Bond is paid over 30-years
- Infrastructure SurTax is not being bonded.
- **3% Cost Inflation each year of the analysis**
- **Pavement Preservation budgets capped to 3% of revenue, capped at \$500,000 per year**



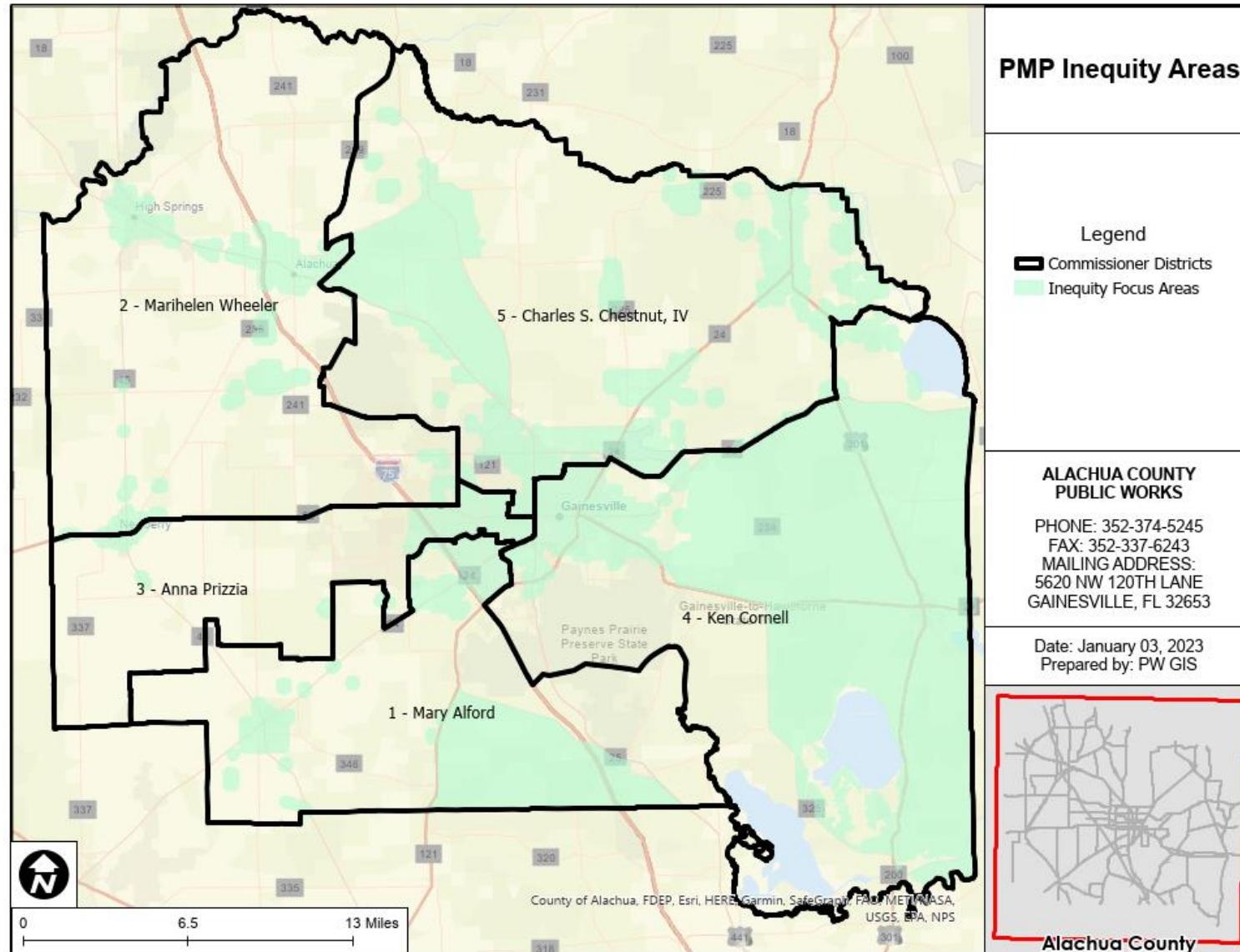
- **Use AgileAssests optimization software to develop a Pavement Management Plan**
- **Incorporate an Inequity Component into the Pavement Management Plan**
 - Use map developed by Alachua County Growth Management
 - Use 40% benefit weighting to Inequity Areas
 - \$750k / year to Residential Roadways within Areas of Inequity
 - Yields the Best Results
- **Include road segments with 15 or more work orders recorded in Alachua County's Cityworks database**
- **Staff to analyze and smartly include roadways within one neighborhood and continuous segments of roadways**

Inequity Area Development



- This is a leading-edge analysis considering Inequity – very important topic in Asset Management, but few examples available from around the US
- Staff utilized three metrics to identify Inequity Areas:
 - U.S. Housing and Urban Development Qualified Census Tracts
 - 50 percent of households with incomes below 60 percent of the Area Median Gross Income (AMGI) OR
 - have a poverty rate of 25 percent or more
 - Census Tracts with Median Income <185% of Federal Poverty Guideline
 - Properties with residential improvement values in the bottom 20% of all values
 - Added a buffer of 1,320 ft.
- Population in Inequity Area:
 - 2020 Population is just less than 90,000, or about 1/3 of County Population
 - Includes both incorporated and unincorporated residents

Inequity Focus Area Map





- **Things to Take Away**

- **There is a limited budget**
- **Not all roads will be fixed in the first 10 years**
- **Additional roads can be selected if revenues increase**
- **Additional roads will be repaired as the County receives grants**
- **BOCC will review the 10-year road list on May 23, 2023.**

- **Good News**

- **Incorporating Inequity Areas raised the overall County PCI**
- **Most of the highly travelled collector roads, which yielded most of the work orders, will be repaired**
- **Paving will start this Summer**
- **You will see an improvement in the County's road system**

