



Alachua County Pavement Management Program Update

Using AgileAssets Optimization
Software to Develop a Pavement
Management Plan

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Surtax Passes



- **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

Board Direction



- **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**

Board Direction



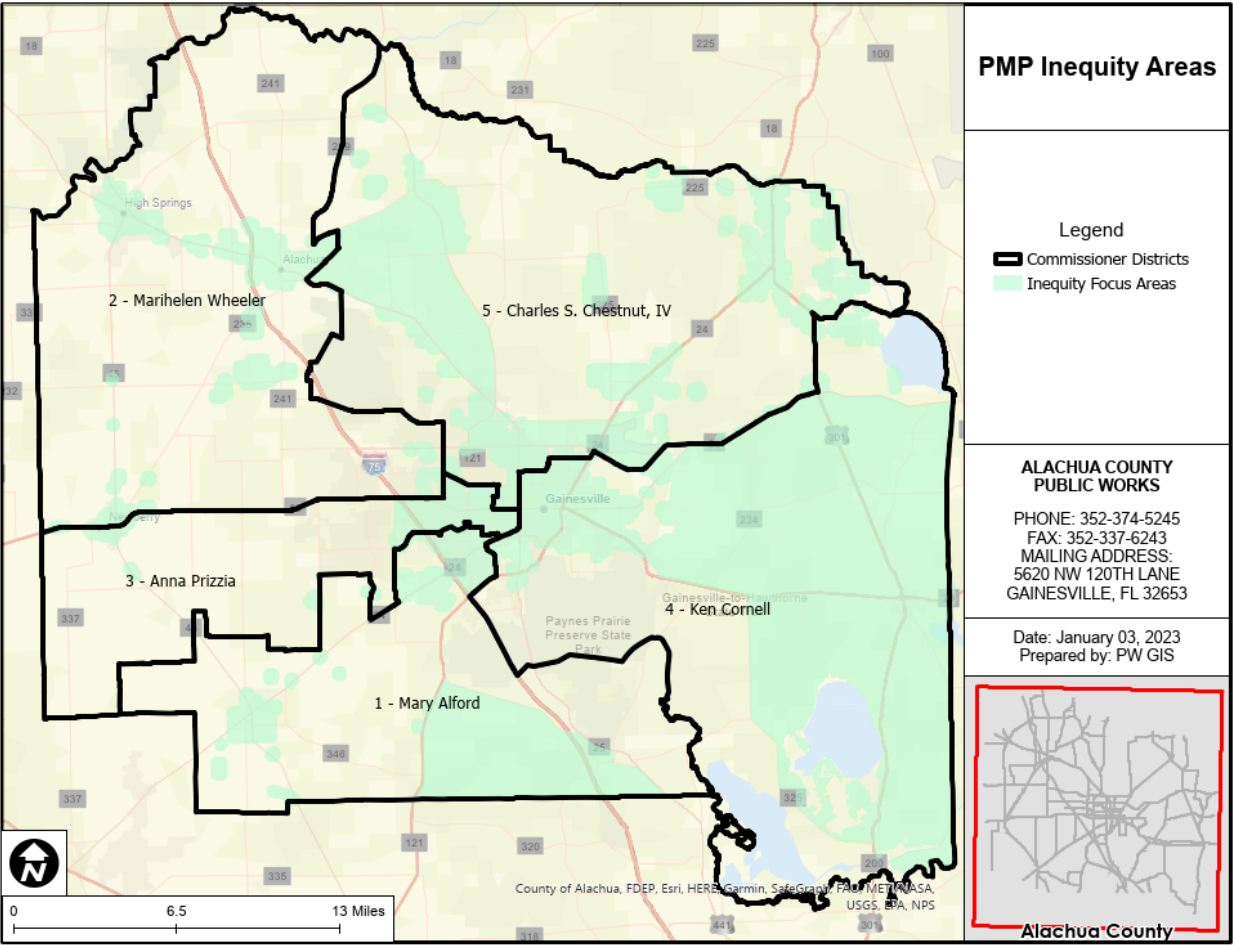
- **Use AgileAssests optimization software to develop a Pavement Management Plan**
- **Incorporate an Inequity Component into the Pavement Management Plan**
 - Use map developed by Alachua County Growth Management
 - Use 40% benefit weighting to Inequity Areas
 - \$750k / year to Residential Roadways 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

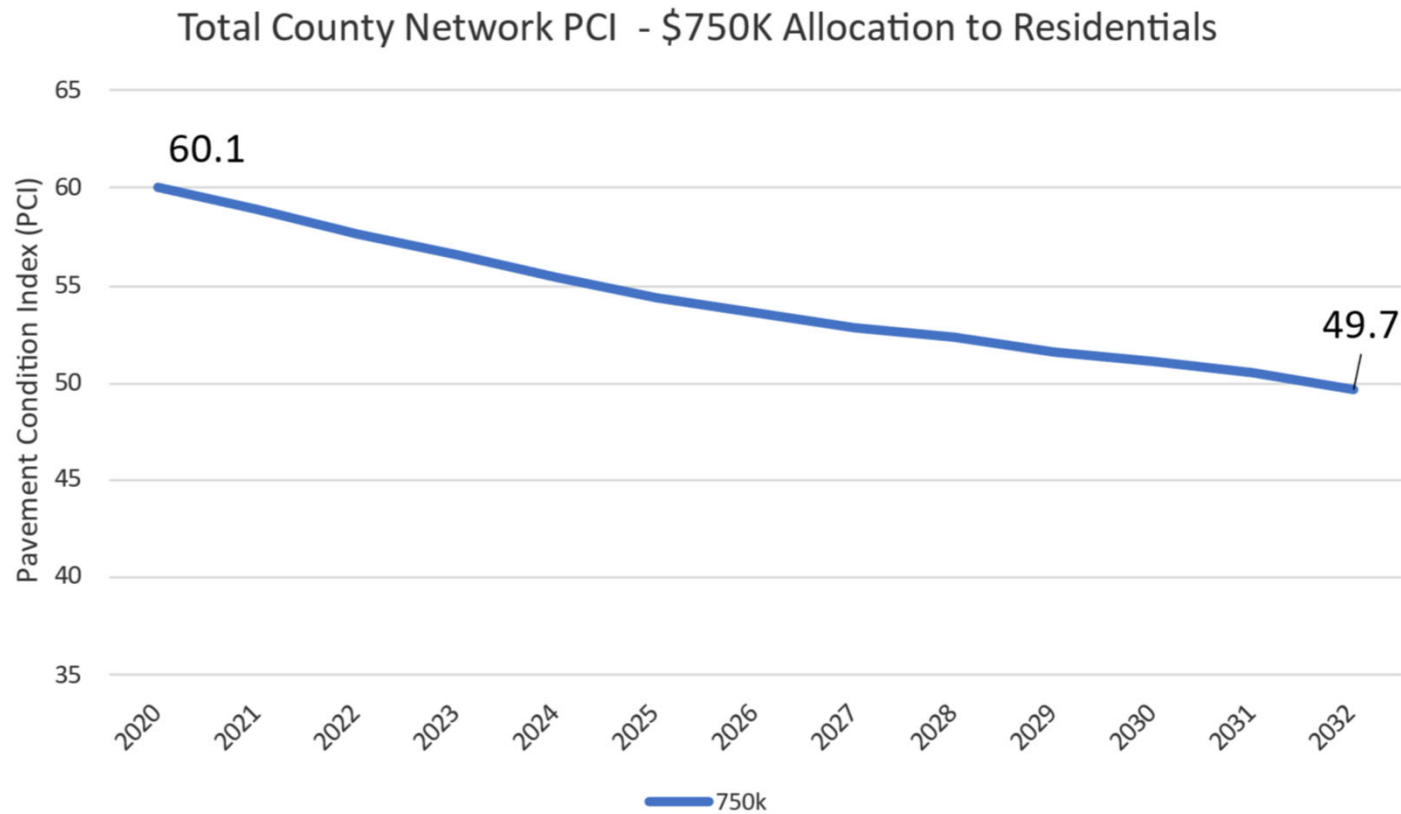


- This is a leading-edge analysis considering Inequity – very important topic in Asset Management, but few examples available from around the US
- Staff utilized three metrics to identify Inequity Areas:
 - U.S. Housing and Urban Development Qualified Census Tracts
 - 50 percent of households with incomes 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



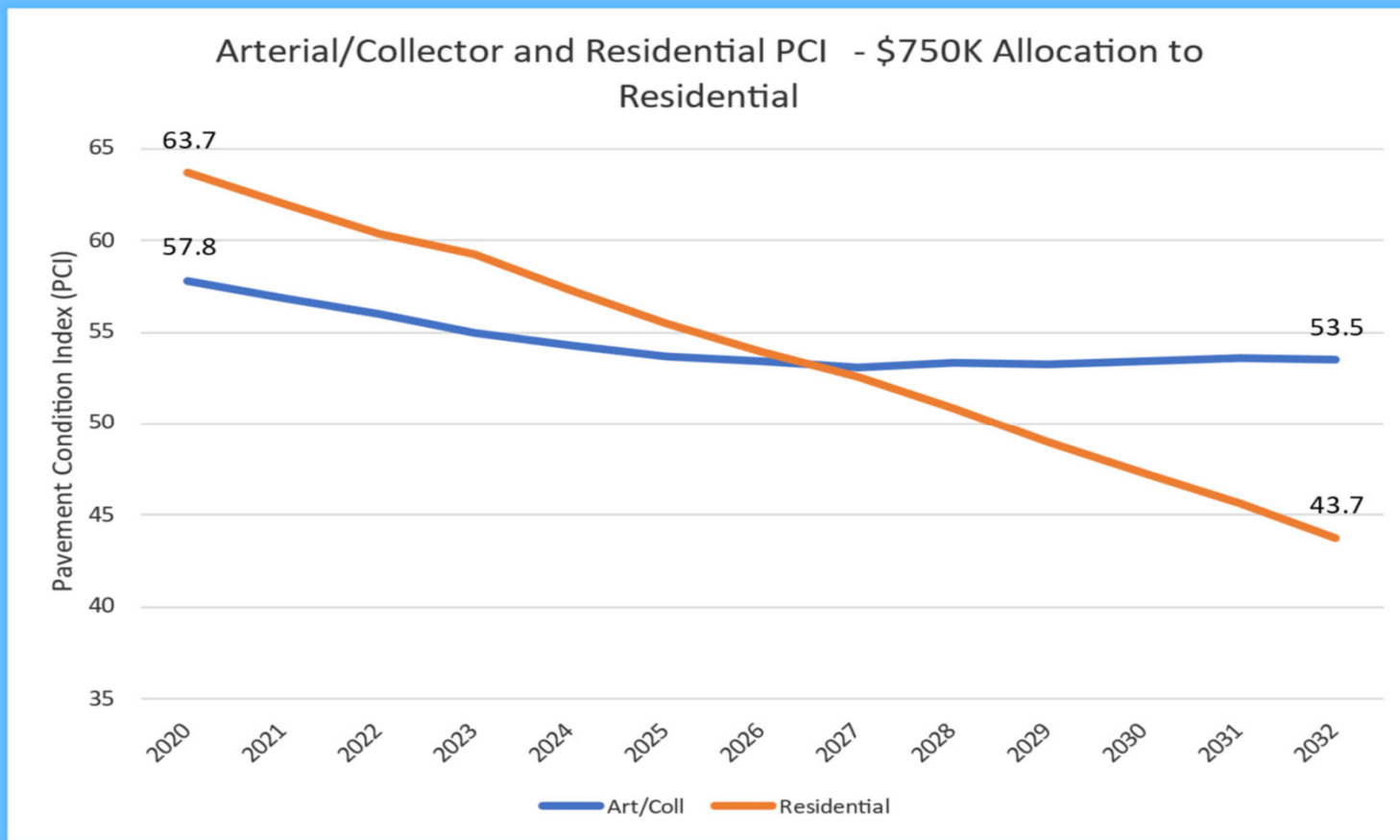
Base Scenario – 40% Inequity with \$750K / Year Towards Residential Roads in Areas of Inequity



**2020
PCI
was
60.1**

**2020
Projections for
PCI on 2032
was 41.2**

Base Scenario – 40% Inequity with \$750K / Year Towards Residential Roads in Areas of Inequity



- **Dedicating \$750k / year to Residential Roadways within Areas of Inequity Yielded the Best Results for both Collectors / Arterials and Residential Roads**

Approved FY 23 & FY 24 Projects



• FY 2023:

Project Description	From	-	To	Treatment	Totals (10-Year)	Project Totals (Thru 2032)
Roadways - Widening & Other Major Improvements						
NW 122 St	SR 26	-	NW 17 Ave	Roadway Extension	\$ 521,334	\$ 3,271,334
NW 23 Ave	NW 58 Blvd		I-75	Rehab (Major); Turn Lanes; Multi-Use Path	\$ 6,507,894	\$ 7,802,836
SW 170 St (CR 241)	Levy County Line		SW 134 Ave	Rehab (Major); Widen	\$ 675,826	\$ 4,714,932
NE/NW 53 Ave	@ Animal Services Driveway			Int Improvements	\$ 195,222	\$ 759,849
NE 27 Ave	NE 39 Blvd	-	SR 26 (NE 55 Blvd)	Rehab (Major)	\$ 1,280,174	\$ 1,280,174

• FY 2024:

Project Description	From	-	To	Treatment	Totals (10-Year)	Project Totals (Thru 2032)
Roadways - Widening & Other Major Improvements						
NE/NW 53 AV	US 441	-	SR 24	Rehab (Minor)	\$ 7,048,116	\$ 7,048,116

Segments With 15 or More Work Orders for Potholes



Street Name	Begin Location	End Location	Length (M)
NW 23 AV	NW 58 BLVD	I-75	1.6939
NW 98 ST	SR 26	NW 39 AV	2.0727
SW 137 AV/SW 91 ST (CR 346A)	SW WILLISTON RD (SR 121)	SW CR 346	3.6652
SE COUNTY RD 2082	SE 152 ST (CR 2041)	SE 69 AVE (HAWTHORNE HIGH SCHOOL PROPERTY)	3.7809
SE CR 234	Entrance to Paynes Prairie Maint Office	US 441 (Micanopy)	3.9953
NW 83 ST	NW 23 AV	NW 39 AV	1.0028
SE 15 ST (KINCAID LOOP) (CR 2043)	SE 14 AV	SE 41 AV	1.5441
SW 282 ST (CR 337)	SW 46 AVE	SW 127 AVE (LEVY COUNTY LINE)	5.0316
SE 15 ST (KINCAID LOOP) (CR 2043)	SR 20	SE 14 AV	0.9023
NW 202 ST	CR 2054	US 441	2.7521
SW 170 ST	LEVY COUNTY LINE	SW 134 AV	3.5682
NW 94 AV	CR 235	CR 241	2.7542
HOLDEN PARK RD	US 301	PUTNAM COUNTY LINE	3.6155
SW 91 ST	SW 24 AV	SW 44 AV	1.3903
NE 27 AV	NE 39 BLVD	NE 55 BLVD (SR 26)	0.8843
SW 170 ST	SW 46 AV	SW 79 AV	2.0030
PEGGY RD	CR 235A	CR 241	2.2458
SW 170 ST	SW 79 AV	SR 45	2.4477
CR 235	SR 26	NW 62 AVE	5.0000
CR 235	NW 62 AVE	NW 94 AVE	2.3000
CR 235	NW 94 AVE	RACHEL BLVD (CR 2054)	4.3000
FORT CLARKE BLVD	NEWBERRY RD	NW 23 AV	1.0875
SE COUNTY RD 234	MARION COUNTY LINE	US 441	2.9481

Segments With 15 or More Work Orders for Potholes



Street Name	Begin Location	End Location	Length (M)
NE COUNTY RD 1471	US 301	NE 143 AVE	2.1212
NE COUNTY RD 1471	NE 143 AVE	BRADFORD COUNTY LINE	3.6313
NW COUNTY RD 235A	US 441	NW 190 AVE	2.0896
NW COUNTY RD 235A	NW 190 AVE	NW CR 236	3.3455
SW 266 ST/SW 282 ST/SW 30 AV (CR 337)	SR 26	SW 46 AVE	3.3955
NE/NW 156 AV	CR 231	CR 225	3.8275
SE 27 ST (KINCAID LOOP) (CR 2043)	SE 39 PL	SR 20	1.8313
SW 170 ST	SR 26	SW 46 AV	3.0110
SW COUNTY RD 346	SW SR 45	SW 129 TER	2.5453
SW COUNTY RD 346	SW 129 TER	SW 91 ST	2.7189
SW COUNTY RD 346	SW 91 ST	SW WILLISTON RD (121)	2.0769
NW COUNTY RD 237	NW US 441	W SR 235	4.0445
NE COUNTY RD 234	E CR 1474	SR 26	3.4339
NW 110 AV	SR 45	NW 234 ST	1.0034
SW 91 ST	SW 8 AV	SW 24 AV	1.0040

Summary



- **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**

