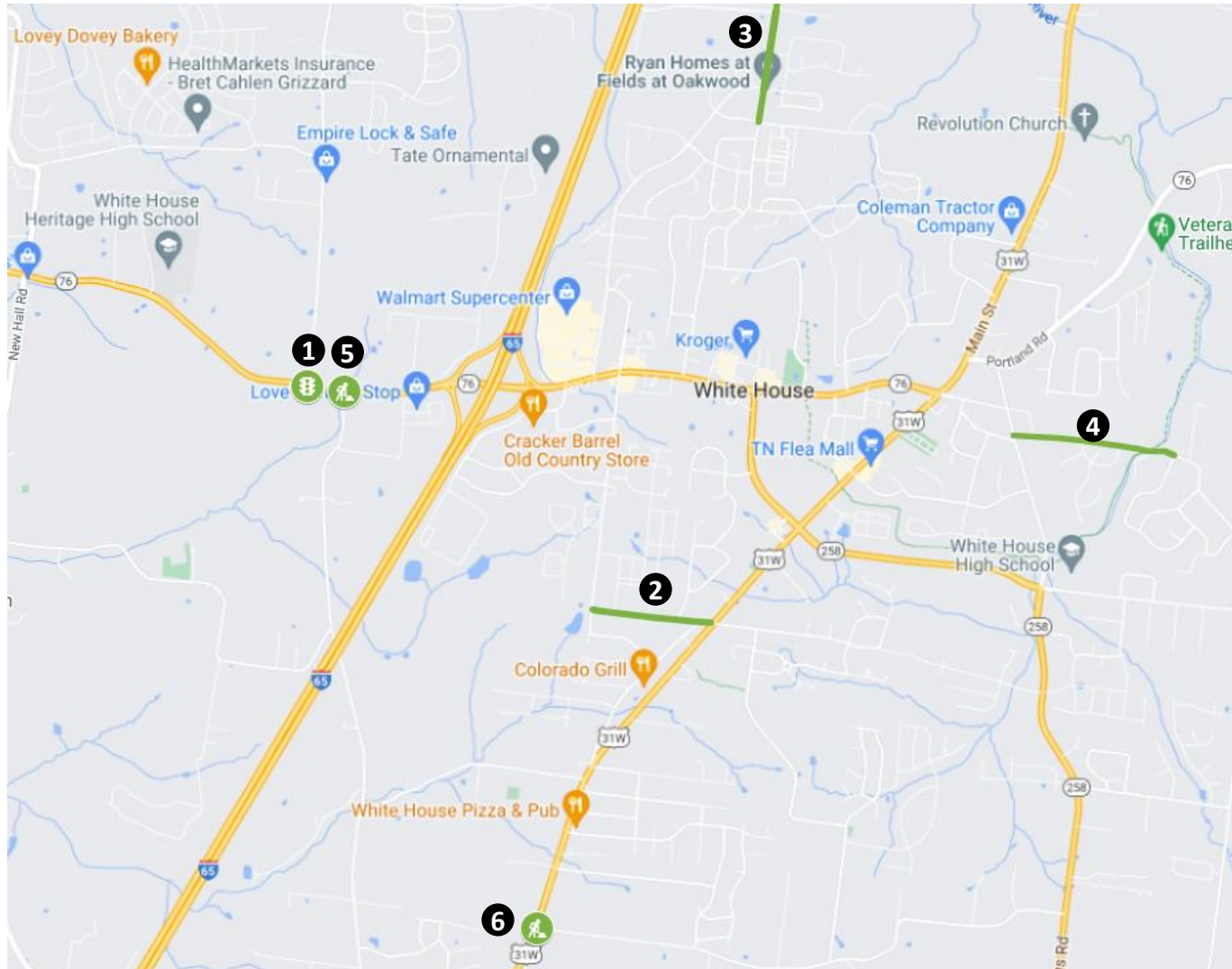




City of White House Transportation Projects

Priority Transportation Projects




Projects

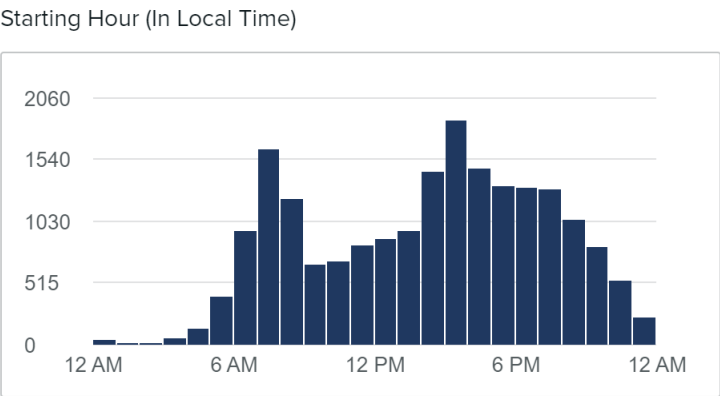
1. Pleasant Grove Rd @ SR-76 Signalization
2. Sage Rd Final Phase 4 Widening
3. Calista Rd Widening
4. N Palmers Chapel Rd Widening
5. Union Rd @ SR-76 Turn Lanes
6. Marlin Rd @ Hwy 31W Turn Lanes

1. Pleasant Grove Rd @ SR-76 Signalization & Turn Lanes

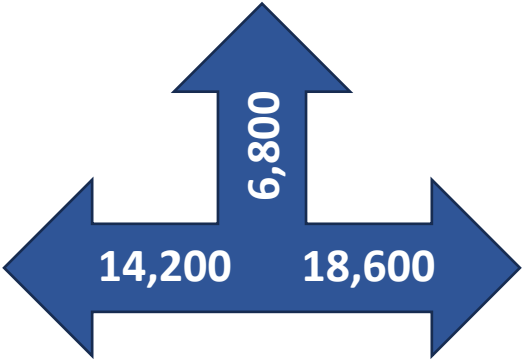
Intersection improvements at SR-76 and Pleasant Grove Road consist of signalization and minor widening to add turn lanes on SR-76.



Metrics		Chart Builder		Raw Table			
Summary						Crash	
Total Crashes				26	100.00%		
Distracted Driver Involved				2	7.69%		
Truck/Bus Involved				1	3.85%		
Show all (3 more)				0	0%		
Type of Crash						Crash	
(O) Property-Damage Only				21	80.77%		
(C) Possible Injury				4	15.38%		
(B) Suspected Minor Injury				1	3.85%		
Show all (2 more)				0	0%		
Date of Crash (Year)						Crash	
2023				6	23.08%		
2022				5	19.23%		
2021				9	34.62%		
2020				4	15.38%		
2019				2	7.69%		
Show all (5 more)				0	0%		
Manner of First Collision						Crash	
Rear-End				9	34.62%		
Angle				8	30.77%		
No Collision W/ Vehicle				4	15.38%		
Other				2	7.69%		
Sideswipe, Opp Dir				2	7.69%		
Show all (5 more)				0	0%		
First Harmful Event						Crash	



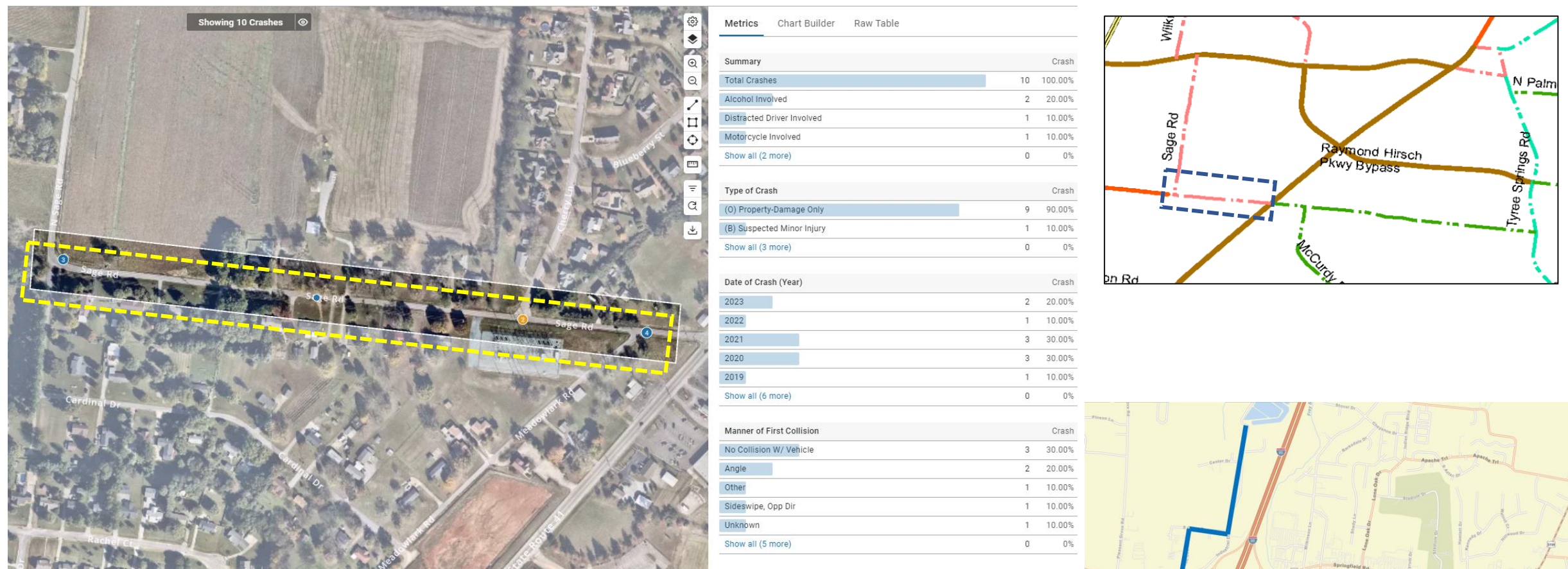
Average Weekday Volumes: ~18,900



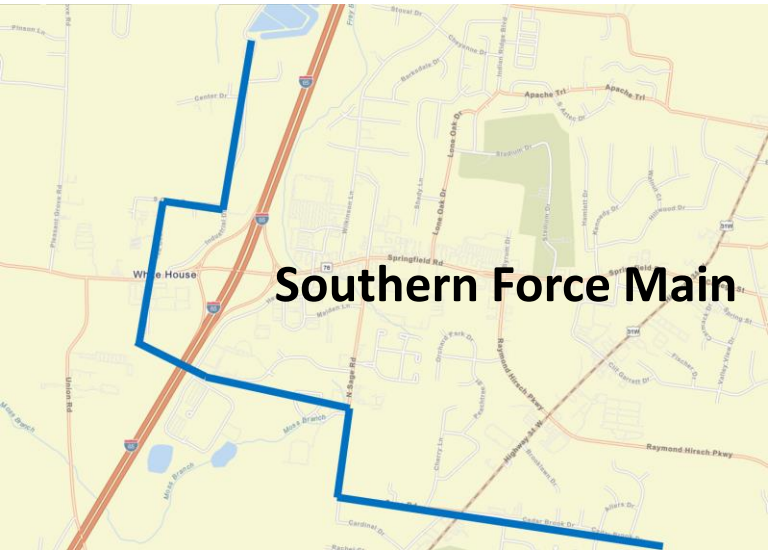
- Meets signal warrant(s) since 2017
- Approximately 1,110 housing units approved/under construction in the vicinity

2. Sage Rd Final Phase 4 Widening

Widening of Sage Road between Cardinal Dr and Hwy 31W to add turn lanes, drainage, and sidewalks.

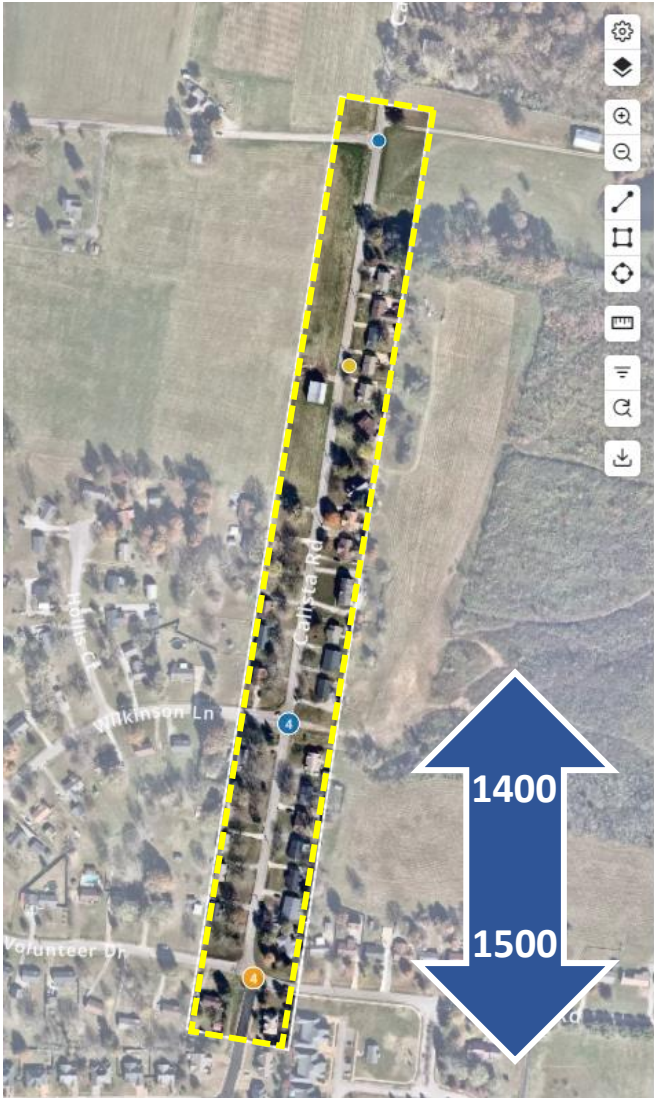


- Since 2019, average annual growth along Sage Rd of nearly 300 daily vehicles trips



3. Calista Road Widening – Phase 1

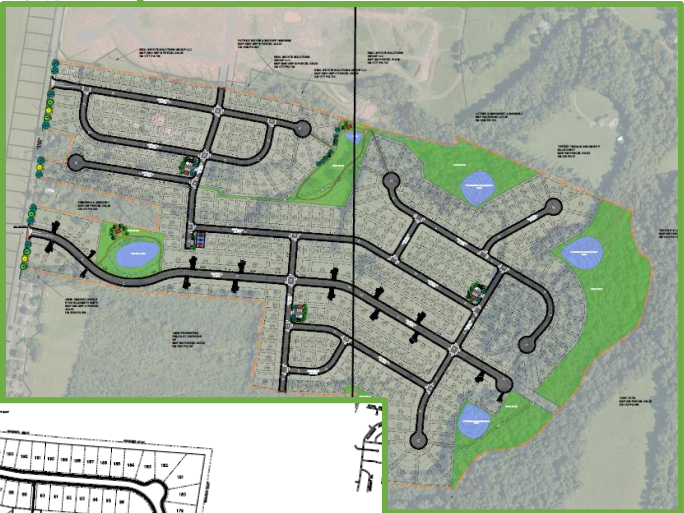
Widening of Calista Rd between Volunteer Dr/Indian Ridge Blvd and Bill Moss Rd to add sidewalks and drainage and meet modern design standards.



Metrics			Chart Builder	Raw Table
Summary		Crash		
Total Crashes	10	100.00%		
Distracted Driver Involved	2	20.00%		
Alcohol Involved	1	10.00%		
Motorcycle Involved	1	10.00%		
Show all (2 more)	0	0%		
Type of Crash		Crash		
(O) Property-Damage Only	8	80.00%		
(B) Suspected Minor Injury	1	10.00%		
(C) Possible Injury	1	10.00%		
Show all (2 more)	0	0%		
Date of Crash (Year)		Crash		
2023	2	20.00%		
2022	2	20.00%		
2021	6	60.00%		
Show all (8 more)	0	0%		
Manner of First Collision		Crash		
Angle	4	40.00%		
No Collision W/ Vehicle	2	20.00%		
Other	1	10.00%		
Rear-End	1	10.00%		
Sideswipe, Opp Dir	1	10.00%		
Show all (5 more)	0	0%		

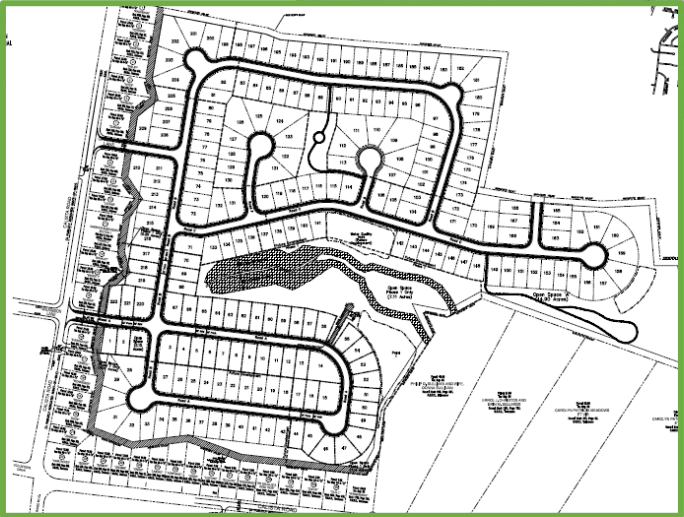


Jackson Farms



Calista Farms

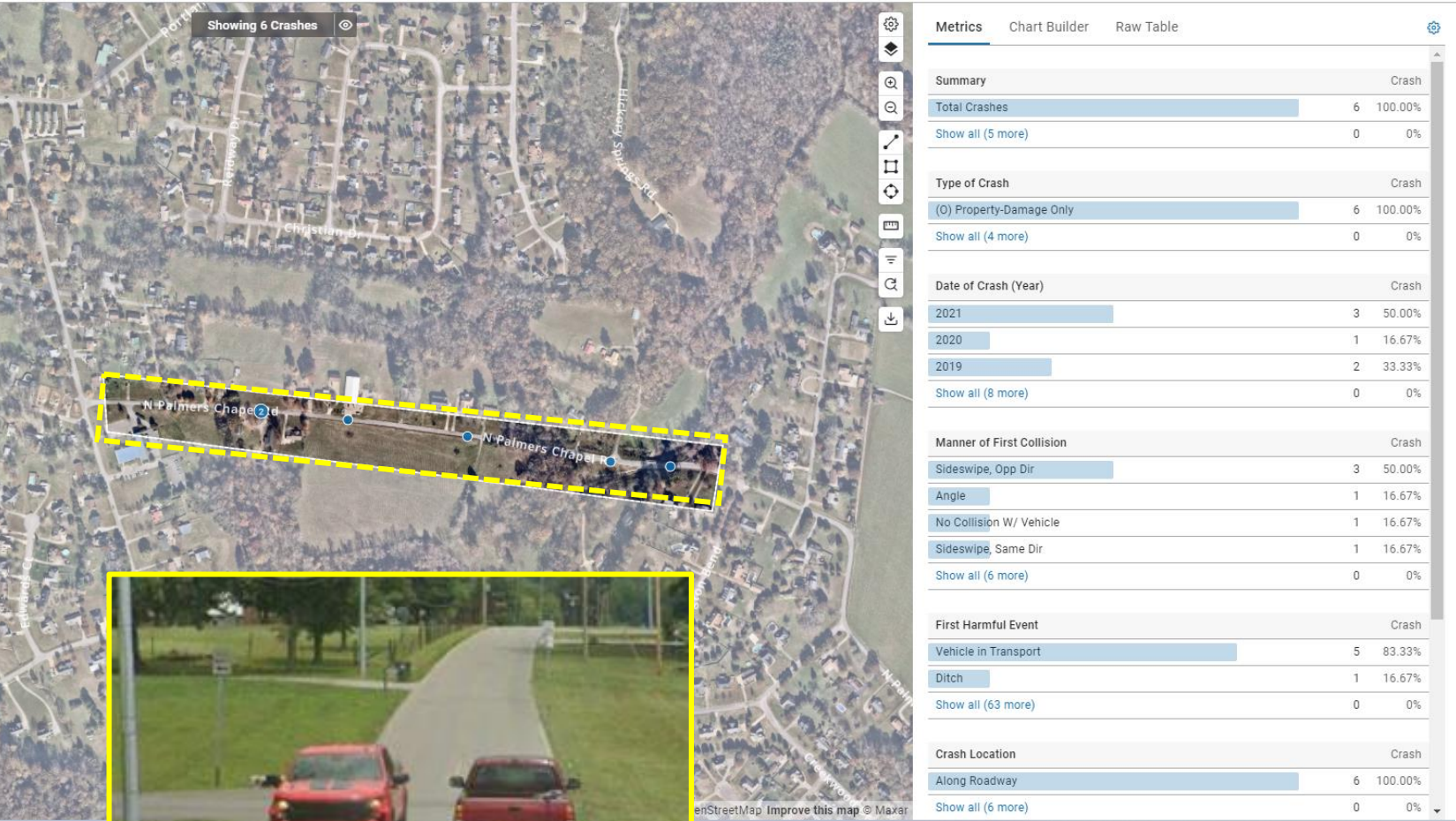
Fields at Oak Woods



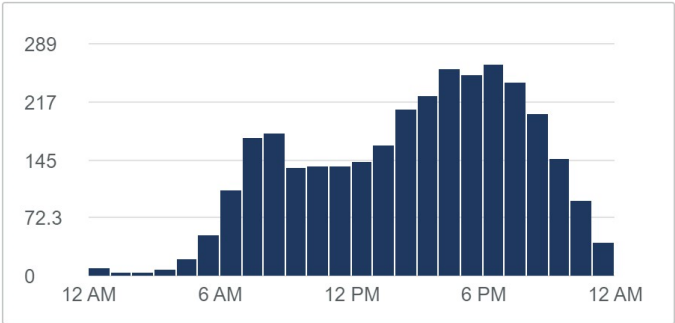
Approximately 1,000 new housing units along corridor

4. N Palmers Chapel Rd Widening

Minoring widening of N Palmers Chapel Rd between Tyree Springs Road and the White House Greenway to meet modern design standards.

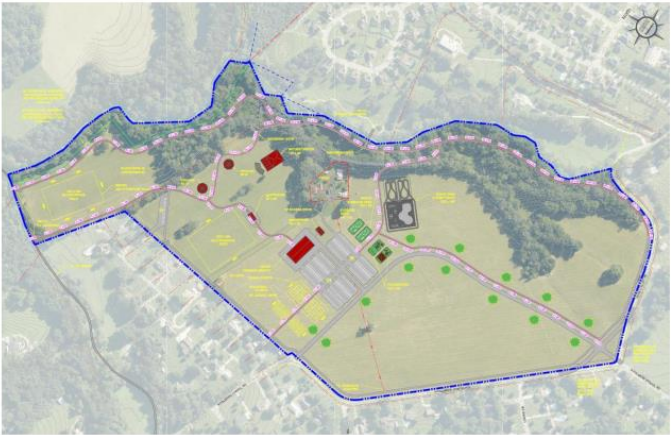


Starting Hour (In Local Time)



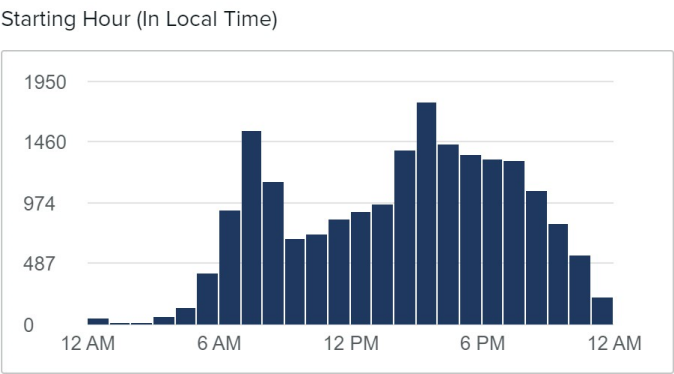
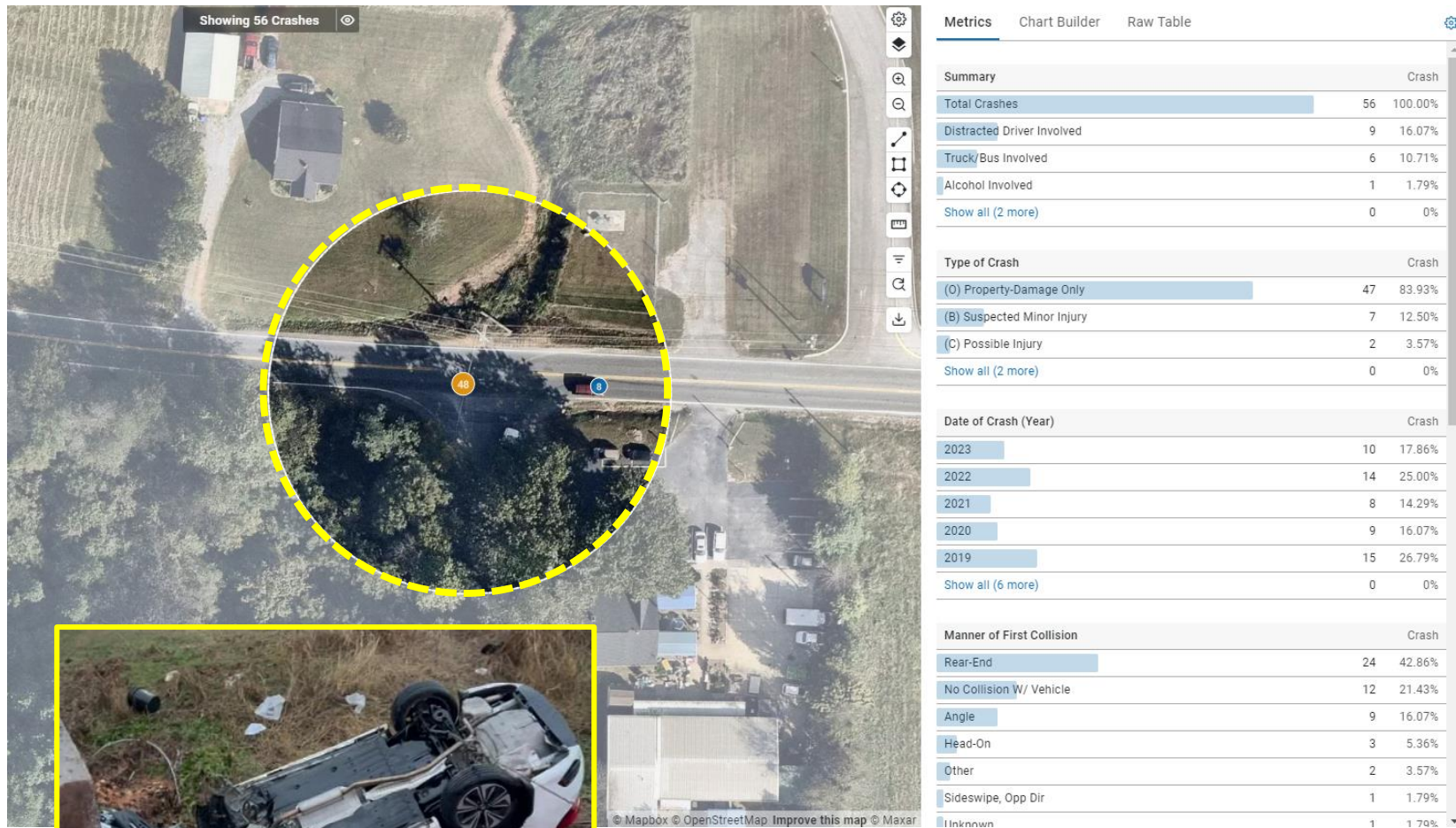
Average Weekday Volumes: ~3200

Comprehensive Master Plan

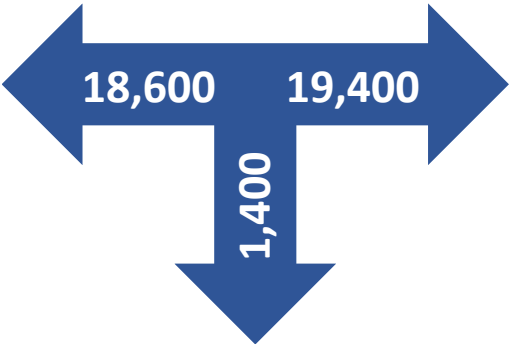


5. Union Rd at SR-76 Turn Lanes

Intersection improvements at Union Rd and SR-76 consist of minor widening to add turn lanes.



Average Weekday Volumes: ~19,600



- #1 intersection in the city based on crash rate
- #2 intersection in the city based on number of crashes
- #2 intersection in the city based on crash severity

6. Marlin Rd at Hwy 31W Turn Lanes

Intersection improvements at Marlin Rd and Hwy 31W consist of minor widening to add turn lanes.

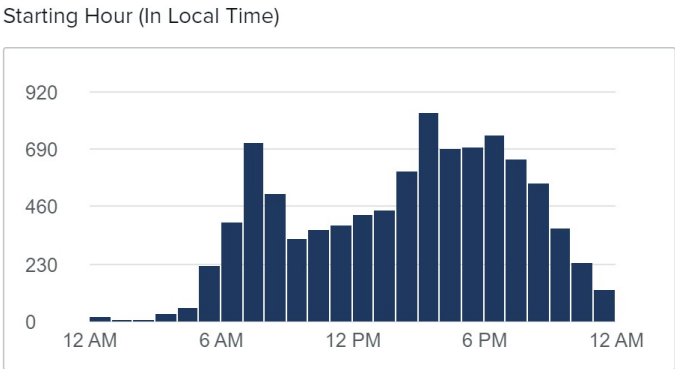


Metrics

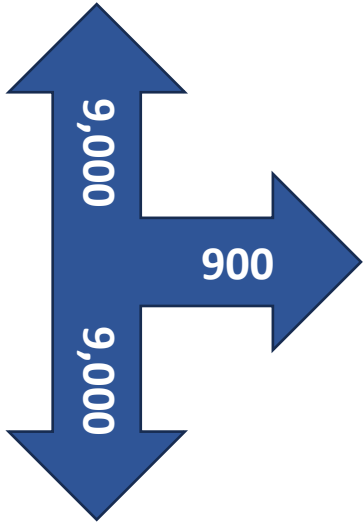
Chart Builder

Raw Table

Summary		Crash	
Total Crashes	14	100.00%	
Distracted Driver Involved	1	7.14%	
Show all (4 more)	0	0%	
Type of Crash		Crash	
(O) Property-Damage Only	12	85.71%	
(B) Suspected Minor Injury	1	7.14%	
(C) Possible Injury	1	7.14%	
Show all (2 more)	0	0%	
Date of Crash (Year)		Crash	
2023	3	21.43%	
2022	1	7.14%	
2021	5	35.71%	
2020	4	28.57%	
2019	1	7.14%	
Show all (6 more)	0	0%	

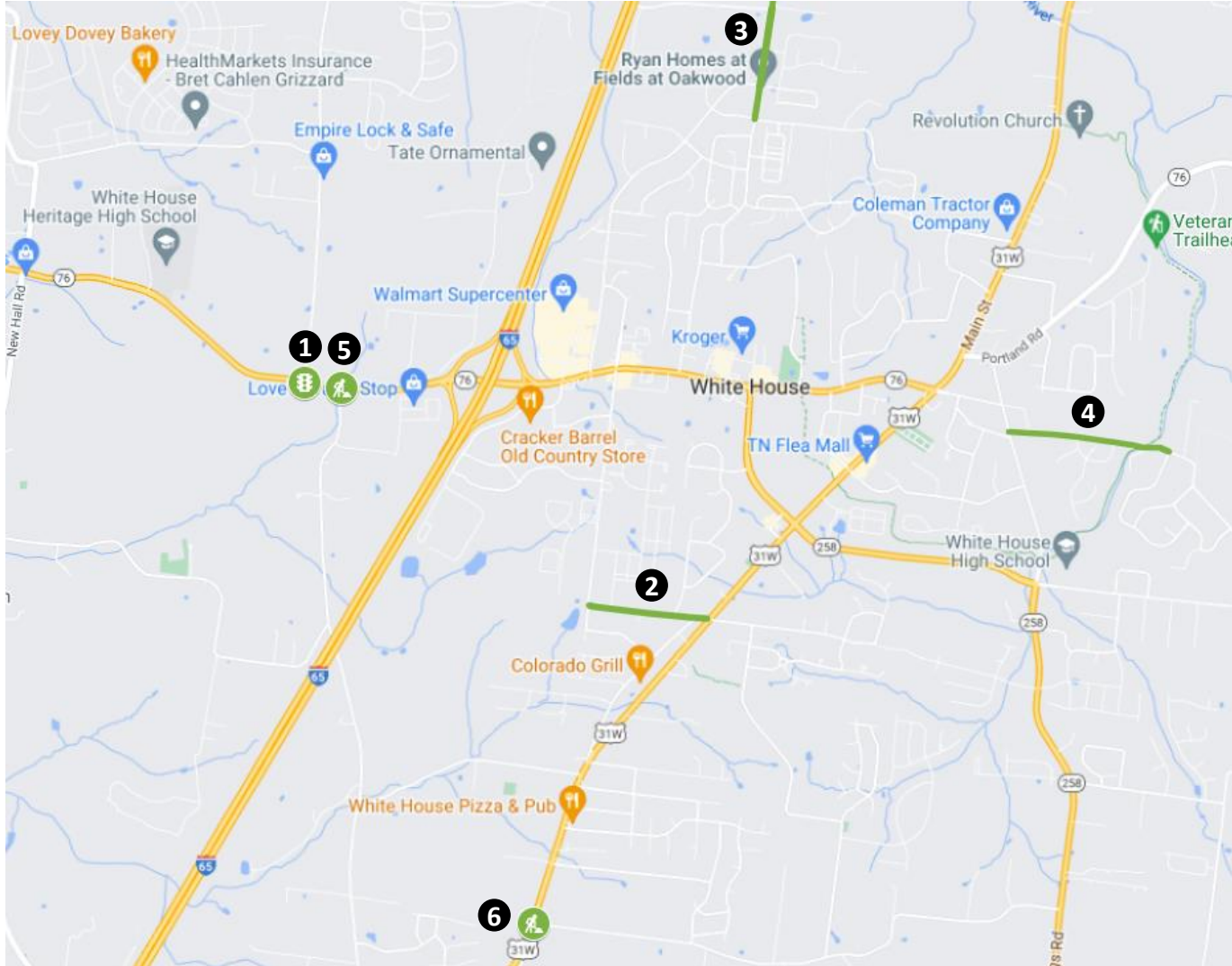


Average Weekday Volumes: ~9,400



- Meets signal warrant(s) now

Priority Transportation Projects



Projects	Estimated Cost
1. Pleasant Grove Rd @ SR-76 Signalization	\$ 1,805,500
2. Sage Rd Final Phase 4 Widening	\$ 1,809,770
3. Calista Rd Widening	\$ 2,585,755
4. N Palmers Chapel Rd Widening	\$ 819,800
5. Union Rd @ SR-76 Turn Lanes	\$ 1,679,040
6. Marlin Rd @ Hwy 31W Turn Lanes	\$ 2,035,440
\$ 10,735,305	

Funding Approaches

Project	Approach #1 “One and Done”	Approach #2 “Two and Out”	Approach #3 “Shovel Ready”	Approach #4 “All In”
1. Pleasant Grove Rd @ SR-76 Signalization	X	X	X	X
2. Sage Rd Final Phase 4 Widening		X	X	X
3. Calista Rd Widening				X
4. N Palmers Chapel Rd Widening			X	X
5. Union Rd @ SR-76 Turn Lanes				X
6. Marlin Rd @ Hwy 31W Turn Lanes				X
Total	\$1,805,500	\$3,615,270	\$4,435,070	\$10,735,305

Financing

	Approach #1	Approach #2	Approach #3	Approach #4
Total Debt	\$1,805,500	\$3,615,270	\$4,435,070	\$10,735,305
Average Annual Debt Service Payments	\$203,000	\$401,000	\$490,000	\$1,180,000
Rate	3.76%	3.66%	3.65%	3.63%
Term	12 years	12 years	12 years	12 years
Debt Ratio	17.9%	19.3%	19.8%	24.4%
Property Tax Rate Increase To Pay Debt	\$0.0295	\$0.0583	\$0.0713	\$0.1716
Annual Impact on \$300,000 Home	\$22	\$44	\$53	\$129