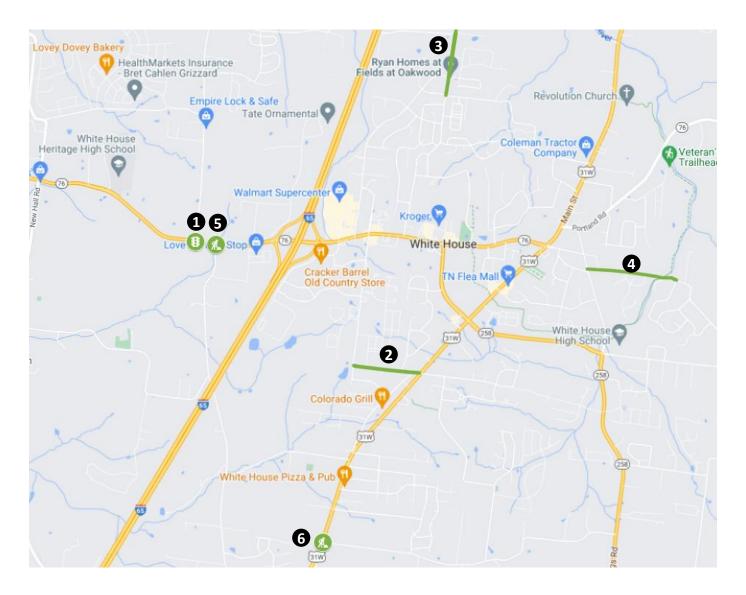
# City of White House Transportation Projects

## **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

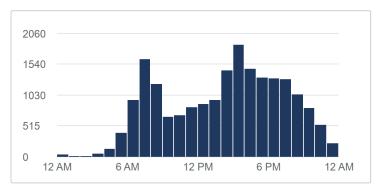
#### 1. Pleasant Grove Rd @ SR-76 Signalization & Turn Lanes

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

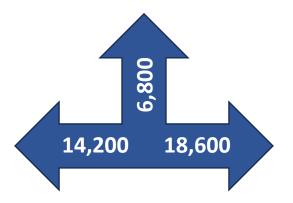


Summary		Crash
Total Crashes	26	100.00%
Distracted Driver Involved	2	7.69%
Truck/Bus Involved	1	3.85%
Show all (3 more)	0	0%
Type of Crash		Crash
(0) Property-Damage Only	21	80.77%
(C) Possible Injury	4	15.38%
(B) Suspected Minor Injury	1	3.85%
Show all (2 more)	0	0%
Date of Crash (Year)		Crash
2023	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%

Starting Hour (In Local Time)



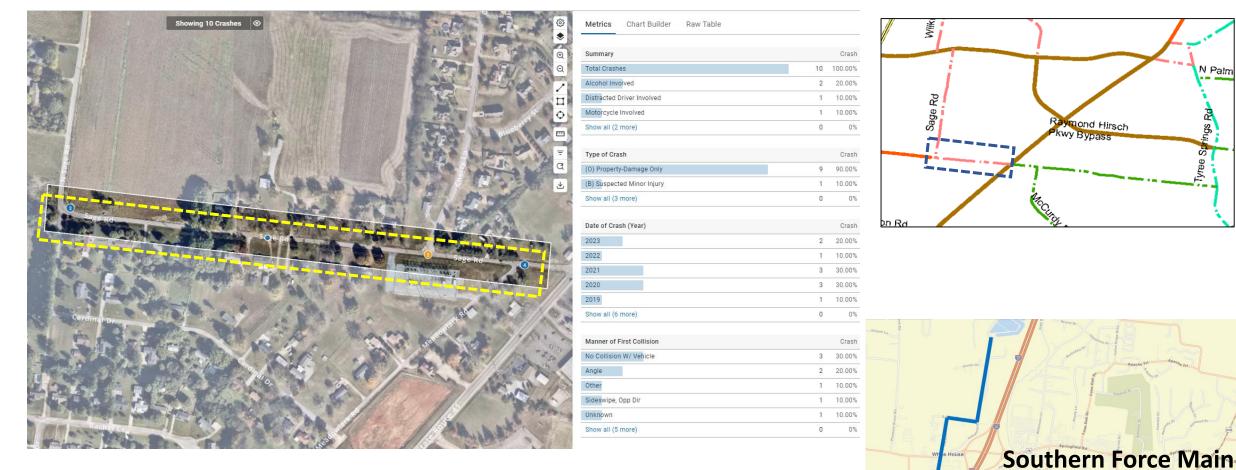
Average Weekday Volumes: ~18,900



- 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.



N Palm

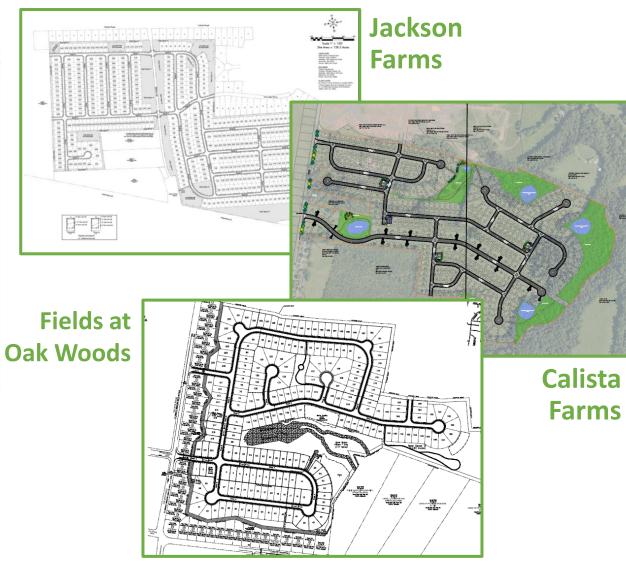
Since 2019, average annual growth along Sage Rd of nearly 300 daily vehicles trips

### 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.



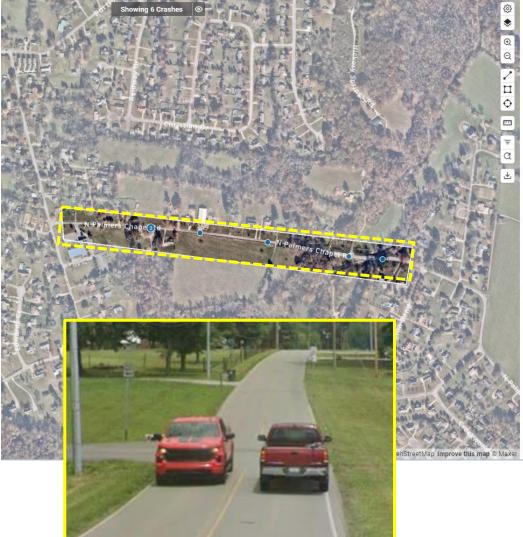
Summary		Cras
Total Crashes	10	100.00
Distracted Driver Involved	2	20.00
Alcohol Involved	1	10.00
Motorcycle Involved	1	10.00
Show all (2 more)		0 0
Type of Crash		Cras
(O) Property-Damage Only	8	80.00
(B) Suspected Minor Injury	1	10.00
(C) Possible Injury	1	10.00
Show all (2 more)		0 0
, ,	2	Cras
2023		Cras 20.00
2023	2	Cras 20.00 20.00
2023 2022 2021	2 2 6	Cras 20.00 20.00 60.00
Date of Crash (Year) 2023 2022 2021 Show all (8 more) Manner of First Collision	2 2 6	Cras 20.00 20.00 60.00
2023 2022 2021 Show all (8 more)	2 2 6	Cras 20.00 20.00 60.00 0 0 Cras
2023 2022 2021 Show all (8 more) Manner of First Collision Angle	2 2 6	Cras 20.00' 20.00' 60.00' 0 0' Cras 40.00'
2023 2022 2021 Show all (8 more) Manner of First Collision Angle No Collision W/ Vehicle	2 2 6 4	Cras 20.00 20.00 60.00 0 0 Cras 40.00 20.00
2023 2022 2021 Show all (8 more) Manner of First Collision	2 2 6 4 2	Cras 20.00 <sup>4</sup> 20.00 <sup>4</sup> 60.00 <sup>4</sup> 0 0 <sup>4</sup> Cras 40.00 <sup>4</sup> 20.00 <sup>4</sup>
2023 2022 2021 Show all (8 more) Manner of First Collision Angle No Collision W/ Vehicle Other	2 2 6 4 2 1	Cras 20.00 <sup>4</sup> 20.00 <sup>4</sup> 60.00 <sup>4</sup> 0 0 <sup>4</sup>



Approximately 1,000 new housing units along corridor

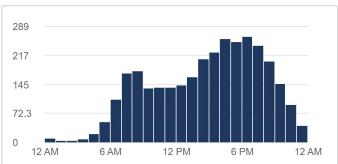
### 4. N Palmers Chapel Rd Widening

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



Metrics Chart Builder Raw Table	
Summary	Cras
Total Crashes	6 100.00
Show all (5 more)	0 0
Show all (5 mole)	0 0
Type of Crash	Cras
(0) Property-Damage Only	6 100.00
Show all (4 more)	0 0
Date of Crash (Year)	Cras
2021	3 50.00
2020	1 16.67
2019	2 33.33
Show all (8 more)	0 0
Manner of First Collision	Cras
Sideswipe, Opp Dir	3 50.00
Angle	1 16.67
No Collision W/ Vehicle	1 16.67
Sideswipe, Same Dir	1 16.67
Show all (6 more)	0 0
First Harmful Event	Cras
Vehicle in Transport	5 83.33
Ditch	1 16.67
	0 0
Show all (63 more)	
Show all (63 more) Crash Location	Cras
Show all (63 more) Crash Location Along Roadway	Cras

Starting Hour (In Local Time)



#### Average Weekday Volumes: ~3200

#### **Comprehensive Master Plan**



### 5. Union Rd at SR-76 Turn Lanes

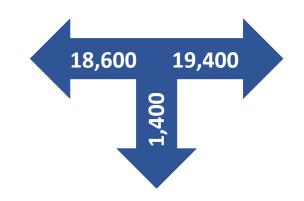
Intersection improvements at Union Rd and SR-76 consist of minor widening to add turn lanes.



-		
Summary		Cras
Total Crashes	56	100.009
Distracted Driver Involved	9	16.07
Truck/Bus Involved	6	10.71
Alcohol Involved	1	1.79
Show all (2 more)	0	01
Type of Crash		Cras
(0) Property-Damage Only	47	83.93
(B) Suspected Minor Injury	7	12.50
(C) Possible Injury	2	3.57
Show all (2 more)	0	0
Date of Crash (Year) 2023	10	Cras
2023	10	17.86
2022	14	25.00
2021	8	14.29
2020	9	16.07
2019	15	26.79
Show all (6 more)	0	01
Manner of First Collision		Cras
Rear-End	24	42.86
No Collision W/ Vehicle	12	21.43
Angle	9	16.07
Head-On	3	5.36
Other	2	3.57
Sideswipe, Opp Dir	1	1.79

Starting Hour (II	n Local Time)			
1950			•	
1460				
974	h			_
487				
0 12 AM	6 AM	12 PM	6 PM	12 AM

#### 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

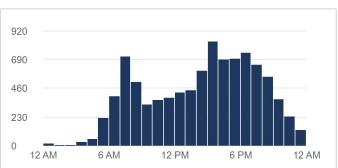
Intersection improvements at Marlin Rd and Hwy 31W consist of minor widening to add turn lanes.



Meets signal warrant(s) now

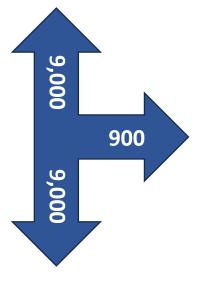
Metrics Chart Builder Raw Table		
Summary		Crash
Total Crashes	14	100.00%
Distracted Driver Involved	1	7.14%
Show all (4 more)	0	0%
Type of Crash		Crash
(O) Property-Damage Only	12	85.71%
(B) Suspected Minor Injury	1	7.14%
(C) Possible Injury	1	7.14%
Show all (2 more)	0	0%
Date of Crash (Year)		Crash
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%

Starting Hour (In Local Time)

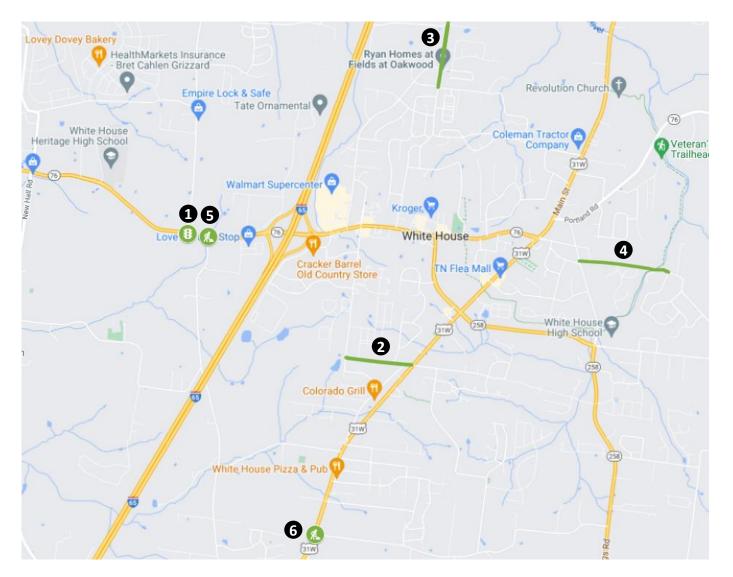


#### Average Weekday Volumes: ~9,400





# **Priority Transportation Projects**



Projects	Estimated Cost	
<b>1.</b> 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