

# Oakbrook Area Alternative 1A

## At-Grade Improvements (Single Left Turn Lane)



Right-Of-Way Impacts	Alt 1A Single Left	Alt 1B Dual Left	Alt 2 Single Point	Alt 3 Roundabout
Properties Impacted				
Residential	2	2	2	1
Commercial	30	30	34	30
Undeveloped	6	6	8	8
Potential Relocations				
Residential	0	0	1	0
Commercial	6	9	18	13
Total Acreage Impacted	5.92	6.15	12.39	10.64
Anticipated Total Project Cost <small>Oakbrook to County Line (Engineering, Right-of-Way Acquisition, Construction Engineering and Inspection and Construction Costs)</small>	\$129.9 M	\$142.8 M	\$317.7 M	\$308.6 M

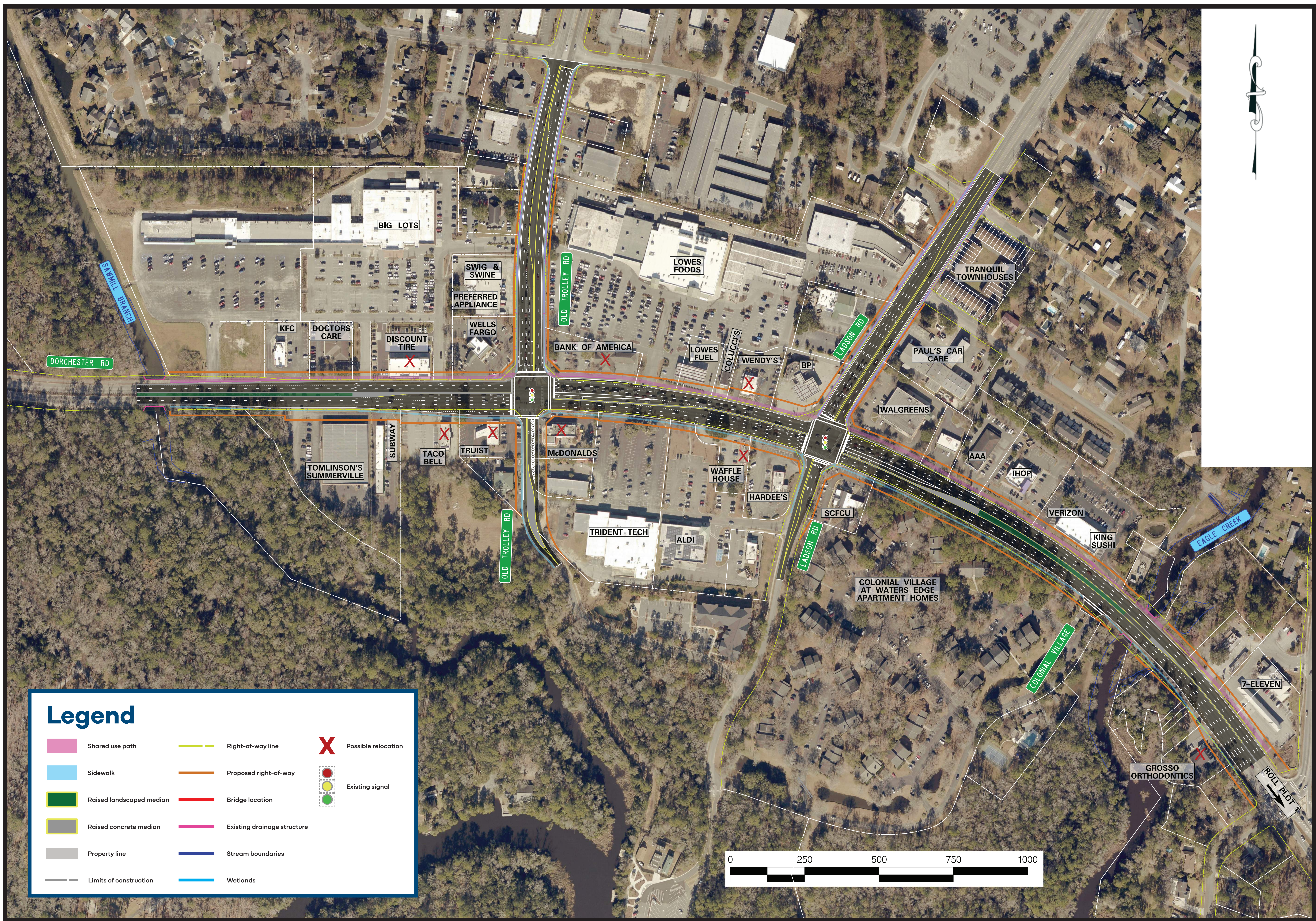
Intersection	Direction	Existing Conditions															
		Existing Conditions (2023)				No Build (2050)				Alt 1A Single Left (2050)				Alt 1B Dual Left (2050)			
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
OLD TROLLEY ROAD AND DORCHESTER ROAD	EB	C (23.7)	D (51.9)	D (38.8)	F (86.1)	D (47.9)	D (43.1)	D (45.7)	D (49.1)	D (39.4)	D (39.6)	B (14.5)	B (13.6)				
	WB	B (13.1)	E (14.4)	E (76.1)	F (144.1)	D (36.1)	F (107.8)	C (24.6)	D (53.8)	D (54.8)	D (52.0)	A (4.3)	C (18.0)				
	NB	E (78.7)	E (76.7)	E (79.7)	E (75.8)	E (77.4)	F (86.5)	E (78.3)	F (86.5)	E (67.0)	E (66.3)	C (16.3)	C (19.9)				
	SB	E (56.5)	D (44.9)	D (53.4)	D (53.9)	E (57.8)	D (50.7)	E (60.5)	D (53.8)	D (47.0)	E (65.6)	B (11.1)	D (34.8)				
	OVERALL	C (26.9)	D (35.9)	E (56.3)	F (103.9)	D (47.9)	E (73.3)	D (41.3)	D (53.4)	D (48.2)	D (54.1)	B (10.3)	C (22.4)				

Intersection	Direction	Existing Conditions															
		Existing Conditions (2023)				No Build (2050)				Alt 1A Single Left (2050)				Alt 1B Dual Left (2050)			
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
LADSON ROAD AND DORCHESTER ROAD	EB	C (26.8)	C (22.1)	D (35.4)	D (35.7)	E (67.5)	C (28.5)	E (67.5)	C (28.5)	E (67.5)	C (28.5)	F (100.4)	C (28.9)	F (100.4)	D (39.4)	D (42.2)	A (9.7)
	WB	C (21.3)	F (191.9)	F (181.2)	F (>300)	C (28.9)	F (100.4)	C (28.9)	F (100.4)	E (75.7)	F (83.5)	E (75.7)	F (83.5)	E (65.5)	E (62.9)	C (20.9)	E (35.0)
	NB	E (66.6)	E (63.6)	E (67.5)	E (63.4)	E (75.7)	F (83.5)	E (75.7)	F (83.5)	E (70.6)	F (121.5)	E (70.6)	F (121.5)	D (52.3)	E (60.8)	B (13.0)	C (21.7)
	SB	D (50.3)	D (41.9)	D (49.7)	D (46.7)	E (70.6)	F (121.5)	E (70.6)	F (121.5)	D (52.3)	E (60.8)	B (13.0)	C (21.7)				
	OVERALL	C (30.4)	F (91.8)	F (93.8)	F (192.7)	D (52.5)	E (73.5)	D (52.5)	E (73.5)	D (42.1)	D (53.7)	B (13.0)	C (19.5)				



# Oakbrook Area Alternative 1B

## At-Grade Improvements (Dual Lane Left Turn)



Right-Of-Way Impacts	Alt 1A Single Left	Alt 1B Dual Left	Alt 2 Single Point	Alt 3 Roundabout
Properties Impacted				
Residential	2	2	2	1
Commercial	30	30	34	30
Undeveloped	6	6	8	8
Potential Relocations				
Residential	0	0	1	0
Commercial	6	9	18	13
Total Acreage Impacted	5.92	6.15	12.39	10.64
Anticipated Total Project Cost <small>(Engineering, Right-of-Way Acquisition, Construction Engineering and Inspection and Construction Costs)</small>	\$129.9 M	\$142.8 M	\$317.7 M	\$308.6 M

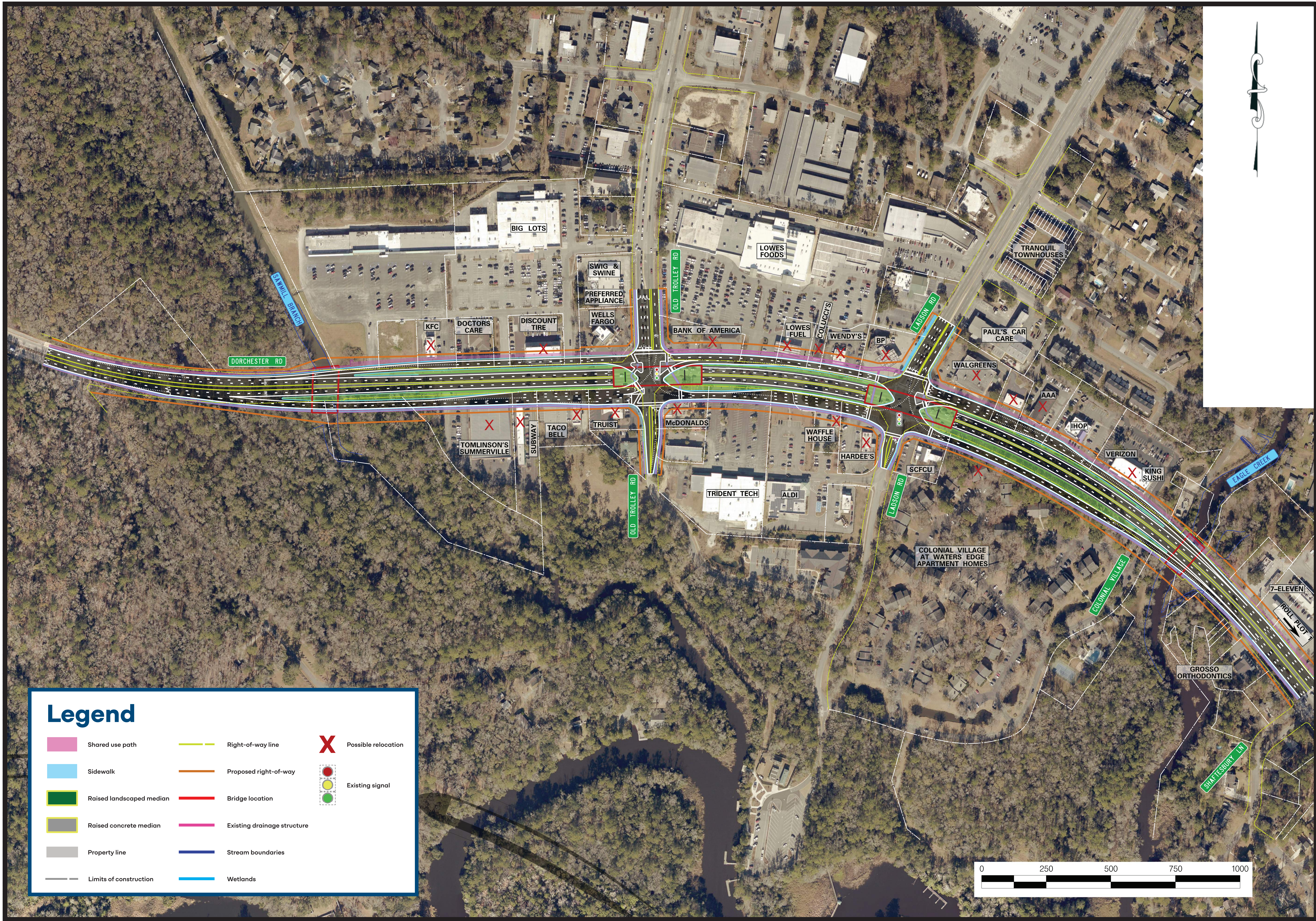
		Existing Conditions (2023)		No Build (2050)		Alt 1A Single Left (2050)		Alt 1B Dual Left (2050)		Alt 2 Single Point (2050)		Alt 3 Roundabout (2050)	
		LOS (DELAY)											
Intersection	Direction	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
OLD TROLLEY ROAD AND DORCHESTER ROAD	EB	C (23.7)	D (51.9)	D (38.8)	F (86.1)	D (47.9)	D (43.1)	D (45.7)	D (49.1)	D (39.4)	D (39.6)	B (14.5)	B (13.6)
	WB	B (13.1)	B (14.4)	E (76.1)	F (144.1)	D (36.1)	F (107.8)	C (24.6)	D (53.8)	D (54.8)	D (52.0)	A (4.3)	C (18.0)
	NB	E (78.7)	E (76.7)	E (79.7)	E (75.8)	E (77.4)	F (86.5)	E (78.3)	F (86.5)	E (67.0)	E (66.3)	C (16.3)	C (19.9)
	SB	E (56.5)	D (44.9)	D (53.4)	D (53.9)	E (57.8)	D (50.7)	E (60.5)	D (53.8)	D (47.0)	E (65.6)	B (11.1)	D (34.8)
	OVERALL	C (26.9)	D (35.9)	E (56.3)	F (103.9)	D (47.9)	E (73.3)	D (41.3)	D (53.4)	D (48.2)	D (54.1)	B (10.3)	C (22.4)

		Existing Conditions (2023)		No Build (2050)		Alt 1A Single Left (2050)		Alt 1B Dual Left (2050)		Alt 2 Single Point (2050)		Alt 3 Roundabout (2050)	
		LOS (DELAY)											
Intersection	Direction	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
LADSON ROAD AND DORCHESTER ROAD	EB	C (26.8)	C (22.1)	D (35.4)	D (35.7)	E (67.5)	C (28.5)	E (67.5)	C (28.5)	C (29.9)	D (51.5)	C (15.1)	C (22.2)
	WB	C (21.3)	F (191.9)	F (181.2)	F (>300)	C (28.9)	F (100.4)	C (28.9)	F (100.4)	D (39.4)	D (42.2)	A (9.7)	A (9.0)
	NB	E (66.6)	E (63.6)	E (67.5)	E (63.4)	E (75.7)	F (83.5)	E (75.7)	F (83.5)	E (65.5)	E (62.9)	C (20.9)	E (35.0)
	SB	D (50.3)	D (41.9)	D (49.7)	D (46.7)	E (70.6)	F (121.5)	E (70.6)	F (121.5)	D (52.3)	E (60.8)	B (13.0)	C (21.7)
	OVERALL	C (30.4)	F (91.8)	F (93.8)	F (192.7)	D (52.5)	E (73.5)	D (52.5)	E (73.5)	D (42.1)	D (53.7)	B (13.0)	C (19.5)



# Oakbrook Area Alternative 2

## Interchange with Single Point Intersections



Right-Of-Way Impacts	Alt 1A Single Left	Alt 1B Dual Left	Alt 2 Single Point	Alt 3 Roundabout
Properties Impacted				
Residential	2	2	2	1
Commercial	30	30	34	30
Undeveloped	6	6	8	8
Potential Relocations				
Residential	0	0	1	0
Commercial	6	9	18	13
Total Acreage Impacted	5.92	6.15	12.39	10.64
Anticipated Total Project Cost <small>Oakbrook to County Line (Engineering, Right-of-Way Acquisition, Construction Engineering and Inspection and Construction Costs)</small>	\$129.9 M	\$142.8 M	\$317.7 M	\$308.6 M

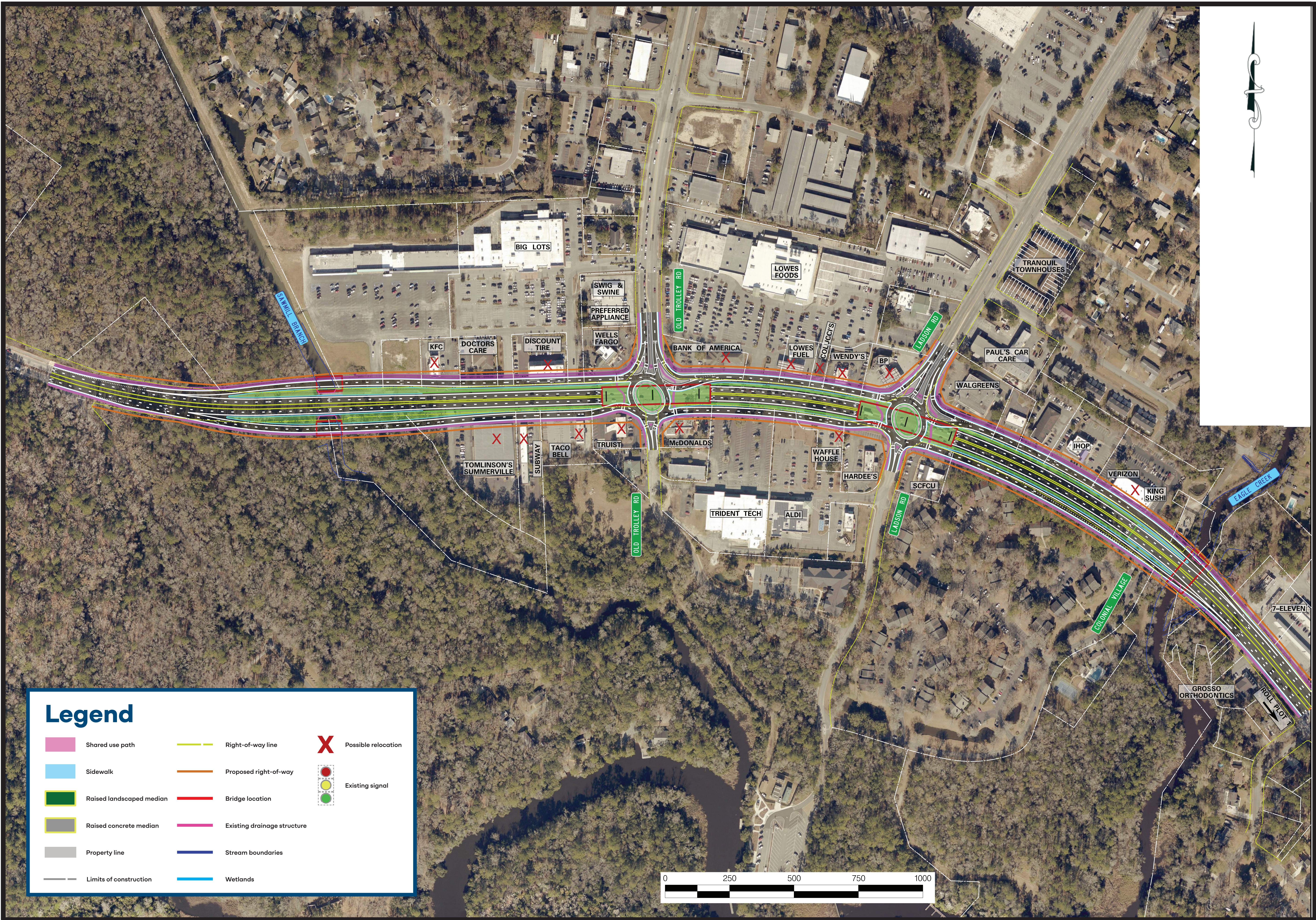
		Existing Conditions (2023)		No Build (2050)		Alt 1A Single Left (2050)		Alt 1B Dual Left (2050)		Alt 2 Single Point (2050)		Alt 3 Roundabout (2050)	
		LOS (DELAY)											
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
OLD TROLLEY ROAD AND DORCHESTER ROAD	EB	C (23.7)	D (51.9)	D (38.8)	F (86.1)	D (43.1)	D (47.9)	D (45.7)	D (49.1)	D (39.4)	D (39.6)	B (14.5)	B (13.6)
	WB	B (13.1)	B (14.4)	E (76.1)	F (144.1)	D (36.1)	F (107.8)	C (24.6)	D (53.8)	D (54.8)	D (52.0)	A (4.3)	C (18.0)
	NB	E (78.7)	E (76.7)	E (79.7)	E (75.8)	E (77.4)	F (86.5)	E (78.3)	F (86.5)	E (67.0)	E (66.3)	C (16.3)	C (19.9)
	SB	E (56.5)	D (44.9)	D (53.4)	D (53.9)	E (57.8)	D (50.7)	E (60.5)	D (53.8)	D (47.0)	E (65.6)	B (11.1)	D (34.8)
	OVERALL	C (26.9)	D (35.9)	E (56.3)	F (103.9)	D (47.9)	E (73.3)	D (41.3)	D (53.4)	D (48.2)	D (54.1)	B (10.3)	C (22.4)

		Existing Conditions (2023)		No Build (2050)		Alt 1A Single Left (2050)		Alt 1B Dual Left (2050)		Alt 2 Single Point (2050)		Alt 3 Roundabout (2050)	
		LOS (DELAY)											
Intersection	Direction	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
LADSON ROAD AND DORCHESTER ROAD	EB	C (26.8)	C (22.1)	D (35.4)	D (35.7)	E (67.5)	C (28.5)	E (67.5)	C (28.5)	C (29.9)	D (51.5)	C (15.1)	C (22.2)
	WB	C (21.3)	F (191.9)	F (181.2)	F (>300)	C (28.9)	F (100.4)	C (28.9)	F (100.4)	D (39.4)	D (42.2)	A (9.7)	A (9.0)
	NB	E (66.6)	E (63.6)	E (67.5)	E (63.4)	E (75.7)	F (83.5)	E (75.7)	F (83.5)	E (65.5)	E (62.9)	C (20.9)	E (35.0)
	SB	D (50.3)	D (41.9)	D (49.7)	D (46.7)	E (70.6)	F (121.5)	E (70.6)	F (121.5)	D (52.3)	E (60.8)	B (13.0)	C (21.7)
	OVERALL	C (30.4)	F (91.8)	F (93.8)	F (192.7)	D (52.5)	E (73.5)	D (52.5)	E (73.5)	D (42.1)	D (53.7)	B (13.0)	C (19.5)



# Oakbrook Area Alternative 3

## Interchange with Roundabouts



Right-Of-Way Impacts	Alt 1A Single Left	Alt 1B Dual Left	Alt 2 Single Point	Alt 3 Roundabout
Properties Impacted				
Residential	2	2	2	1
Commercial	30	30	34	30
Undeveloped	6	6	8	8
Potential Relocations				
Residential	0	0	1	0
Commercial	6	9	18	13
Total Acreage Impacted	5.92	6.15	12.39	10.64
Anticipated Total Project Cost <small>Oakbrook to County Line Engineering, Right-of-Way Acquisition, Construction Engineering and Inspection and Construction Costs</small>	\$129.9 M	\$142.8 M	\$317.7 M	\$308.6 M

Intersection	Direction	Existing Conditions (2023)		No Build (2050)		Alt 1A Single Left (2050)		Alt 1B Dual Left (2050)		Alt 2 Single Point (2050)		Alt 3 Roundabout (2050)	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
OLD TROLLEY ROAD AND DORCHESTER ROAD	EB	C (23.7)	D (51.9)	D (38.8)	F (86.1)	D (47.9)	D (43.1)	D (45.7)	D (39.4)	D (39.6)	B (14.5)	B (13.6)	
	WB	B (13.1)	B (14.4)	E (76.1)	F (144.1)	D (36.1)	F (107.8)	C (24.6)	D (53.8)	D (54.8)	A (4.3)	C (18.0)	
	NB	E (78.7)	E (76.7)	E (79.7)	E (75.8)	E (77.4)	F (86.5)	E (78.3)	F (86.5)	E (67.0)	C (16.3)	C (19.9)	
	SB	E (56.5)	D (44.9)	D (53.4)	D (53.9)	E (57.8)	D (50.7)	E (60.5)	D (53.8)	D (47.0)	B (11.1)	D (34.8)	
	OVERALL	C (26.9)	D (35.9)	E (56.3)	F (103.9)	D (47.9)	E (73.3)	D (41.3)	D (53.4)	D (48.2)	B (10.3)	C (22.4)	

Intersection	Direction	Existing Conditions (2023)		No Build (2050)		Alt 1A Single Left (2050)		Alt 1B Dual Left (2050)		Alt 2 Single Point (2050)		Alt 3 Roundabout (2050)	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
LADSON ROAD AND DORCHESTER ROAD	EB	C (26.8)	C (22.1)	D (35.4)	D (35.7)	E (67.5)	C (28.5)	E (67.5)	C (28.5)	C (29.9)	D (51.5)	C (15.1)	C (22.2)
	WB	C (21.3)	F (91.9)	F (181.2)	F (>300)	C (28.9)	F (100.4)	C (28.9)	F (100.4)	D (39.4)	D (42.2)	A (9.7)	A (9.0)
	NB	E (66.6)	E (63.6)	E (67.5)	E (63.4)	E (75.7)	F (83.5)	E (75.7)	F (83.5)	E (65.5)	E (62.9)	C (20.9)	E (35.0)
	SB	D (50.3)	D (41.9)	D (49.7)	D (46.7)	E (70.6)	F (121.5)	E (70.6)	F (121.5)	D (52.3)	E (60.8)	B (13.0)	C (21.7)
	OVERALL	C (30.4)	F (91.8)	F (93.8)	F (192.7)	D (52.5)	E (73.5)	D (52.5)	E (73.5)	D (42.1)	D (53.7)	B (13.0)	C (19.5)