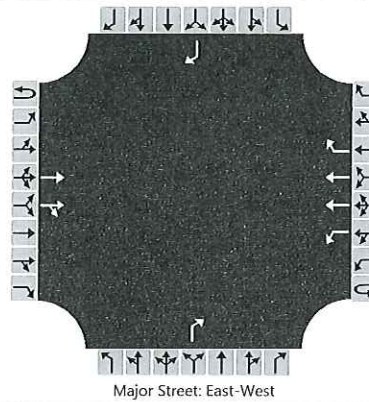


# HCS 2010 Two-Way Stop Control Summary Report

General Information		Site Information	
Analyst	Diane Zimmerman	Intersection	KY 22 at Simcoe Lane
Agency/Co.	CDM Smith	Jurisdiction	
Date Performed	6/15/16	East/West Street	KY 22
Analysis Year	2019	North/South Street	Simcoe Lane
Time Analyzed	AM Peak Build Right out	Peak Hour Factor	0.88
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25
Project Description	Simcoe Lane Cityscape		

## Lanes



## Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Movement	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Priority																
Number of Lanes	0	0	2	0	0	1	2	1		0	0	1		0	0	1
Configuration			T	TR		L	T	R				R				R
Volume (veh/h)			984	49	19	179	1690	16				135				6
Percent Heavy Vehicles					3	3						3				3
Proportion Time Blocked			0.000	0.000		0.300	0.000	0.000				0.300				0.000
Right Turn Channelized	No				No				No				Yes			
Median Type	Left Only															
Median Storage	1															

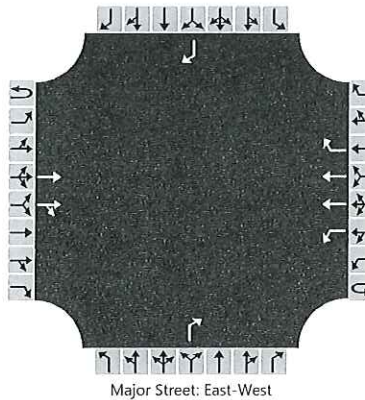
## Delay, Queue Length, and Level of Service

Flow Rate (veh/h)					225							153				7
Capacity					751							757				255
v/c Ratio					0.30							0.20				0.03
95% Queue Length					1.3							0.8				0.1
Control Delay (s/veh)					11.8							11.0				19.5
Level of Service (LOS)					B							B				C
Approach Delay (s/veh)					1.2				11.0				19.5			
Approach LOS					B				B				C			

# HCS 2010 Two-Way Stop Control Summary Report

General Information		Site Information	
Analyst	Diane Zimmerman	Intersection	KY 22 at Simcoe Lane
Agency/Co.	CDM Smith	Jurisdiction	
Date Performed	6/15/16	East/West Street	KY 22
Analysis Year	2019	North/South Street	Simcoe Lane
Time Analyzed	PM Peak Build Right out	Peak Hour Factor	0.97
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25
Project Description	Simcoe Lane Cityscape		

## Lanes



## Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Movement	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Priority																
Number of Lanes	0	0	2	0	0	1	2	1		0	0	1		0	0	1
Configuration			T	TR		L	T	R				R				R
Volume (veh/h)			1773	69	1	196	1433	42				352				9
Percent Heavy Vehicles					3	3						3				3
Proportion Time Blocked			0.000	0.000		0.600	0.000	0.000				0.600				0.600
Right Turn Channelized	No				No				No				Yes			
Median Type	Left Only															
Median Storage	1															

## Delay, Queue Length, and Level of Service

Flow Rate (veh/h)					203								363				9
Capacity					505								432				432
v/c Ratio					0.40								0.84				0.02
95% Queue Length					1.9								8.1				0.1
Control Delay (s/veh)					16.8								43.9				13.5
Level of Service (LOS)					C								E				B
Approach Delay (s/veh)					2.0				43.9				13.5				
Approach LOS									E				B				