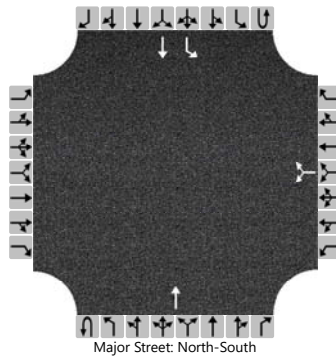


HCS7 Two-Way Stop-Control Report

General Information				Site Information			
Analyst	JN			Intersection			
Agency/Co.	CDOT			Jurisdiction	Park		
Date Performed	6/08/2020			East/West Street	Rosalie Rd		
Analysis Year	2020			North/South Street	US 285		
Time Analyzed				Peak Hour Factor	0.92		
Intersection Orientation	North-South			Analysis Time Period (hrs)	0.25		
Project Description	Left Turn Gap Acceptance						

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																
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	1	0	0	0	1	0	0	1	1	0
Configuration							LR				T			L	T	
Volume (veh/h)						74		74			618			10	667	
Percent Heavy Vehicles (%)						3		3						3		
Proportion Time Blocked																
Percent Grade (%)					0											
Right Turn Channelized																
Median Type Storage					Left Only								8			

Critical and Follow-up Headways

Base Critical Headway (sec)						7.1		6.2							4.1	
Critical Headway (sec)						6.43		6.23							4.13	
Base Follow-Up Headway (sec)						3.5		3.3							2.2	
Follow-Up Headway (sec)						3.53		3.33							2.23	

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						161									11	
Capacity, c (veh/h)						446									914	
v/c Ratio						0.36									0.01	
95% Queue Length, Q ₉₅ (veh)						1.6									0.0	
Control Delay (s/veh)						17.6									9.0	
Level of Service (LOS)						C									A	
Approach Delay (s/veh)					17.6								0.1			
Approach LOS					C											