

MOVEMENT SUMMARY

 Site: 03 [Build 2050 PM - w Improv. (Site Folder: 03_Cedar Creek Road and Youngsville Bypass (NE))]

Cedar Creek Road and Youngsville Bypass
Site Category: (None)
Roundabout

Vehicle Movement Performance														
Mov ID	Turn	INPUT VOLUMES		DEMAND FLOWS		Deg. Satn	Aver. Delay	Level of Service	95% BACK OF QUEUE		Prop. Que	Effective Stop Rate	Aver. No. Cycles	Aver. Speed
		[Total veh/h	HV %	[Total veh/h	HV %				[Veh. veh	Dist] ft				
South: Cedar Creek Road/Youngsville Bypass														
3	L2	196	2.0	218	2.0	0.842	22.1	LOS C	26.4	670.7	0.99	1.18	1.87	29.7
8	T1	629	2.0	699	2.0	0.842	22.1	LOS C	26.4	670.7	0.99	1.18	1.87	28.7
Approach		825	2.0	917	2.0	0.842	22.1	LOS C	26.4	670.7	0.99	1.18	1.87	28.9
North: Cedar Creek Road														
4	T1	464	2.0	516	2.0	0.453	8.0	LOS A	2.6	66.7	0.49	0.36	0.49	35.6
14	R2	158	2.0	176	2.0	0.154	4.5	LOS A	0.6	16.5	0.35	0.23	0.35	38.6
Approach		622	2.0	691	2.0	0.453	7.1	LOS A	2.6	66.7	0.45	0.32	0.45	36.3
West: Youngsville Bypass														
5	L2	188	2.0	209	2.0	0.513	11.8	LOS B	3.7	94.1	0.72	0.81	1.02	33.7
12	R2	177	2.0	197	2.0	0.513	11.8	LOS B	3.7	94.1	0.72	0.81	1.02	33.0
Approach		365	2.0	406	2.0	0.513	11.8	LOS B	3.7	94.1	0.72	0.81	1.02	33.4
All Vehicles		1812	2.0	2013	2.0	0.842	14.9	LOS B	26.4	670.7	0.75	0.81	1.21	32.0

Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab).

Roundabout LOS Method: Same as Sign Control.

Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement.

LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).

Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 6).

Roundabout Capacity Model: US HCM 6.

Delay Model: HCM Delay Formula (Geometric Delay is not included).

Queue Model: HCM Queue Formula.

Gap-Acceptance Capacity: Traditional M1.

HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

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