

MOVEMENT SUMMARY

 Site: 03 [Build 2050 AM - SL (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	231	2.0	257	2.0	0.623	11.0	LOS B	5.4	137.7	0.54	0.34	0.54	34.4
8	T1	435	2.0	483	2.0	0.623	11.0	LOS B	5.4	137.7	0.54	0.34	0.54	33.1
Approach		666	2.0	740	2.0	0.623	11.0	LOS B	5.4	137.7	0.54	0.34	0.54	33.5
North: Cedar Creek Road														
4	T1	670	2.0	744	2.0	0.994	46.6	LOS E	54.4	1382.6	1.00	1.88	3.36	22.1
14	R2	257	2.0	286	2.0	0.994	46.6	LOS E	54.4	1382.6	1.00	1.88	3.36	22.4
Approach		927	2.0	1030	2.0	0.994	46.6	LOS E	54.4	1382.6	1.00	1.88	3.36	22.2
West: Youngsville Bypass														
5	L2	112	2.0	124	2.0	0.463	13.0	LOS B	2.7	67.8	0.74	0.82	1.05	33.4
12	R2	148	2.0	164	2.0	0.463	13.0	LOS B	2.7	67.8	0.74	0.82	1.05	32.7
Approach		260	2.0	289	2.0	0.463	13.0	LOS B	2.7	67.8	0.74	0.82	1.05	33.0
All Vehicles		1853	2.0	2059	2.0	0.994	29.1	LOS D	54.4	1382.6	0.80	1.18	2.02	26.7

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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