

Existing (2002) Intersection Deficiencies on KCDOT System

Project # in CRIP	Intersecting Roadways	Intersection Type	LOS	Average Delay (Seconds)*	Primary Cause of Deficiency	Mitigation Measure to Correct Deficiency	LOS After Mitigation
7	Kirk Rd. & IL 56	Signalized	F	120.8	Heavy northbound and southbound approach volumes	Channelization – Add westbound, northbound, and southbound right turn lanes	D
24	Randall Rd. & IL 64	Signalized	E	65.2	Heavy turning volumes on all approaches	Channelization – Add eastbound, westbound, and south-westbound right turn lanes	D
39	Randall Rd & US 20 Ramps/Foothill Dr.	Signalized	E	61.5	Heavy northbound and southbound approach volumes; heavy eastbound turning movements	Channelization – Add northbound, southbound, and south-westbound right turn lanes & south-westbound left turn lane	D
17	Kirk Rd. & Fabyan Pkwy.	Signalized	E	56.5	Heavy turning movements on all approaches	Channelization – Add right turn lanes to all approaches	D
17	Fabyan Pkwy. & Paramount Pkwy.	Unsignalized	F	367.9	Heavy westbound approach volume	Signalization or prohibit northbound left turn	A
33	Burlington Rd. & IL 47	Unsignalized	F	173.5	Heavy approach volumes on IL 47	Signalization; Add left turn and right turn lanes on all approaches	A
47	Big Timber Rd. & IL 72	Unsignalized	F	154.2	Heavy westbound and southbound approach volumes	Signalization; Add left turn and right turn lanes on all approaches	B
53	Huntley Rd. & Square Barn Rd.	Unsignalized	F	972.4	Heavy westbound approach and eastbound left turn volumes	Signalization; Add north-westbound, southbound right turn lanes & south-eastbound left turn lane	A
26	Randall Rd. & Crane Rd.	Unsignalized	F	800.5	Heavy northbound and southbound approach volumes	Signalization; Add right turn lanes on all approaches, Add eastbound and westbound left turn lanes.	A
54	Randall Rd. & Longmeadow Pkwy.	Unsignalized	F	377.2	Heavy northbound and southbound approach volume	Signalization; Add westbound right turn lane	A
6	Mooseheart Rd. & IL 31	Unsignalized	F	238.5	Heavy northbound and southbound approach volumes	Signalization; Add eastbound and southbound right turn lane; add northbound left turn lane	A
22	La Fox Rd. & IL 38	Unsignalized	F	212.3	Heavy eastbound and westbound approach volumes	Signalization; Add left turn and right turn lanes on all approaches	A
32	Silver Glen Rd. & IL 31	Unsignalized	F	57.1	Heavy northbound and southbound approach volumes	Channelization - Add eastbound, southbound right turn lanes & northbound left turn lane	D
14	Fabyan Pky. & Kaneville Rd.	Unsignalized	F	50.8	Heavy westbound approach volume	Channelization - Add westbound and south-westbound right turn lanes	C
51	Penny Rd. & IL 68	Unsignalized	E	49.7	Heavy westbound and eastbound approach volumes	Signalization; Add eastbound, north-westbound right turn lanes & westbound left turn lane	A
11	Main St. & Nelson Lake Rd.	Unsignalized	E	47	Heavy westbound approach volumes	Channelization -Add eastbound and northbound right turn lanes; Add westbound left turn lane	D

Existing (2002) Segment Deficiencies on KCDOT Highways

Project # in CRIP	Roadway	From	To	Roadway Type	Free Flow Speed (mph)	Average Speed (mph)	LOS	Mitigation Measure to Correct Deficiency	LOS After Mitigation
47	Big Timber Rd.	IL 72	Damisch Rd.	Two-Lane Highway	55	30	E	Signalization at IL 72 & Big Timber Rd; Add left turn and right turn lanes on all approaches	C
19	Keslinger Rd.	Randall Rd.	Peck Rd.	Two-Lane Highway	55	33	E	Channelization at Randall Rd. & Keslinger Rd. Add eastbound and westbound right turn lanes; Add westbound dual left turn lane	D
22	La Fox Rd.	Keslinger Rd.	IL 38	Two-Lane Highway	55	28	E	Signalization at La Fox Rd & IL 38. Add left and right turn lanes on all approaches	C
22	La Fox Rd.	IL 38	Campton Hills Rd.	Two-Lane Highway	55	19	E	Signalization at La Fox Rd & IL 38. Add left and right turn lanes on all approaches	C
6	Mooseheart Rd.	Randall Rd.	IL 31	Urban Class I	50	18	E	At intersection of Mooseheart Rd. & IL 31 add eastbound and southbound right turn lane; add northbound left turn lane	B
7	Kirk Rd.	IL 56	Wind Energy Pass	Urban Class II	45	17	E	Channelization at the intersestion of Kirk Rd and IL 56; Add westbound, northbound, and southbound right turn lanes	B

The LOS after mitigation as shown in the spreadsheet is based on existing traffic volumes.