

I-71 RAMP VOLUMES 2013 No Build

INTERCHANGE	NB OFF						NB ON						SB OFF						SB ON					
	ADT	Truck %	AM	Truck %	PM	Truck %	ADT	Truck %	AM	Truck %	PM	Truck %	ADT	Truck %	AM	Truck %	PM	Truck %	ADT	Truck %	AM	Truck %	PM	Truck %
KY 329	5,000	3%	290	2%	760	1%	3,000	8%	320	4%	320	3%	3,000	6%	360	5%	320	1%	5,000	3%	920	5%	400	1%
KY 146	6,300	12%	380	4%	540	1%	4,000	3%	160	1%	250	2%	4,000	4%	420	5%	200	1%	6,300	8%	550	2%	360	3%
KY 153	4,700	57%	280	23%	650	12%	1,900	31%	200	44%	210	36%	1,900	33%	140	31%	240	35%	4,700	49%	200	26%	370	22%
US 421	2,100	5%	150	7%	360	7%	1,000	22%	80	2%	100	6%	1,000	22%	70	13%	110	10%	2,100	5%	290	3%	190	6%
KY 389	300	9%	15	0%	40	7%	900	8%	120	3%	80	10%	900	5%	40	14%	110	4%	300	9%	40	17%	30	0%
KY 227	3,500	22%	380	16%	300	23%	1,800	15%	90	12%	160	16%	1,800	13%	135	8%	210	6%	3,500	24%	230	13%	450	5%
KY 1039	1,500	40%	60	44%	120	33%	2,400	41%	170	40%	200	28%	2,400	46%	225	28%	230	39%	1,500	47%	130	51%	145	33%
US 127	700	30%	40	19%	80	24%	1,300	14%	170	5%	90	10%	1,300	14%	90	11%	190	6%	700	24%	70	9%	70	6%
KY 14	3,200	4%	170	0%	115	13%	4,200	8%	160	3%	350	4%	4,200	9%	240	9%	250	3%	3,200	9%	60	4%	160	3%

2038 No Build and Build

INTERCHANGE	NB OFF						NB ON						SB OFF						SB ON					
	ADT	Truck %	AM	Truck %	PM	Truck %	ADT	Truck %	AM	Truck %	PM	Truck %	ADT	Truck %	AM	Truck %	PM	Truck %	ADT	Truck %	AM	Truck %	PM	Truck %
KY 329	6,560	3%	390	2%	980	1%	3,670	8%	380	4%	390	3%	3,670	6%	460	5%	370	1%	6,560	3%	1,190	5%	520	1%
KY 146	8,100	12%	490	4%	700	1%	5,150	3%	210	1%	330	2%	5,150	4%	560	5%	270	1%	8,100	8%	710	2%	460	3%
KY 153	6,220	57%	370	23%	830	12%	2,620	31%	260	44%	270	36%	2,620	33%	180	31%	300	35%	6,220	49%	250	26%	470	22%
US 421	2,700	5%	190	7%	460	7%	1,450	22%	120	2%	140	6%	1,450	22%	100	13%	160	10%	2,700	5%	370	3%	240	6%
KY 389	420	9%	20	0%	60	7%	890	8%	120	3%	80	10%	1,050	5%	40	14%	130	4%	360	9%	50	17%	40	0%
KY 227	4,500	22%	540	16%	410	23%	2,050	15%	110	12%	200	16%	2,050	13%	180	8%	250	6%	4,450	24%	310	13%	630	5%
KY 1039	2,270	40%	100	44%	180	33%	3,700	41%	260	40%	320	28%	3,700	46%	350	28%	350	39%	2,270	47%	220	51%	230	33%
US 127	850	30%	50	19%	90	24%	2,050	14%	260	5%	140	10%	2,050	14%	140	11%	300	6%	850	24%	80	9%	90	6%
KY 14	300	4%	60	0%	80	13%	1,800	8%	520	3%	360	4%	1,800	9%	210	9%	590	3%	300	9%	60	4%	70	3%

	EXIT 0 TO 2 I-64 to Zorn Avenue		EXIT 2 TO EXIT 5 Zorn Avenue to I-264		EXIT 5 to Exit 9 I 264-KY 265		EXIT 9 to Exit 14 I 265 KY 329		Exit 14 - Exit 17 KY 329 to KY 146		Exit 17-Exit 18 KY 146 to KY 393		Exit 18-Exit 22 KY 393 to KY 53		Exit 22-Exit 28 KY 53 to KY 153	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
AM DDHV	2680	4060	2620	4550	1860	4010	1520	3340	2320	2440	2060	2170	1890	1980	1380	1790
PM DDHV	3290	2850	4170	3100	3910	2890	3340	2050	3870	2980	3440	2640	3150	2420	2040	1780
Truck %	7	7	7	7	10	10	18	18	18	18	18	18	21	21	25	25
LOS AM	C	F	C	F	B	E	B	D	C	C	C	C	C	C	B	C
AM Density	25.7	46.5	25.1	63.4	14.5	42.4	12.3	31.9	23.2	24.9	21.0	22.3	18.8	19.9	14.1	18.6
AM v/c	0.63	0.95	0.61	1.07	0.44	0.95	0.38	0.83	0.67	0.7	0.59	0.62	0.56	0.59	0.43	0.56
Average passenger car speed (mi/hr)	60.0	50.2	60	41.3	74.9	55.2	75	63.4	70.5	69.2	69.3	68.7	73.4	72.8	75.0	73.5
Free Flow Speed (mi/hr)	60.0	60.0	60.0	60.0	73.9	73.9	73.9	73.9	73.0	73.0	69.6	69.6	73.6	73.6	74.2	74.2
LOS PM	D	D	F	D	E	C	D	B	F	D	F	D	E	C	C	C
PM Density	32.4	27.3	49.5	30	40.1	24.2	31.9	16.7	65.3	34.2	46.2	28.7	40.9	25.8	21.8	18.5
PM v/c	0.77	0.67	0.98	0.73	0.93	0.69	0.83	0.51	1.11	0.86	0.99	0.76	0.94	0.72	0.64	0.55
Average passenger car speed (mi/hr)	58.5	60.0	48.4	59.4	56.8	69.8	63.4	74.4	41.8	61.5	52.5	64.9	56.3	68.5	71.6	73.6
Free Flow Speed (mi/hr)	60.0	60.0	60.0	60.0	73.9	73.9	73.9	73.9	73.0	73.0	69.6	69.6	73.6	73.6	74.2	74.2

	Exit 28 to Exit 34 KY 153 to US 421		Exit 34 to Exit 43 US 421 to KY 390		Exit 43 to Exit 44 KY 389 to KY 227		Exit 44 to Exit 55 KY 227 to KY 1039		Exit 55 to Exit 57 KY 1039 to KY 35		Exit 57 to Exit 62 KY 35 to US 127		Exit 62 to Exit 72 US 127 to KY 14		Exit 72 to Exit 77 KY 14 to I-75	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
AM DDHV	1160	1320	1070	1200	1220	1240	800	1100	1060	1170	1250	1310	1130	1250	1430	1510
PM DDHV	1500	1500	1460	1480	1500	1650	1140	1380	1470	1320	1640	1590	1500	1540	1910	1850
Truck %	31	31	32	32	32	32	33	33	35	35	31	31	31	31	30	30
LOS AM	B	B	B	B	B	B	A	B	B	B	B	B	B	B	B	B
AM Density	12.6	14.3	11.7	13.2	14.3	14.6	8.9	12.2	12.0	13.2	13.6	14.2	12.3	13.6	15.4	16.3
AM v/c	0.39	0.44	0.22	0.4	0.41	0.42	0.27	0.37	0.37	0.40	0.42	0.44	0.38	0.42	0.47	0.50
Average passenger car speed (mi/hr)	75.0	74.9	75.0	75.0	70.0	70.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	74.7	74.5
Free Flow Speed (mi/hr)	74.2	74.2	74.3	74.2	69.6	69.6	74.6	74.6	73.6	73.6	73.9	73.9	74.6	74.6	74.6	74.6
LOS PM	B	B	B	B	B	C	B	B	B	B	C	B	B	B	C	C
PM Density	16.4	16.4	16.1	16.3	17.6	19.5	12.6	15.3	16.7	14.9	18.1	17.5	16.4	16.9	21.4	20.6
PM v/c	0.5	0.5	0.49	0.50	0.50	0.55	0.39	0.47	0.51	0.46	0.54	0.53	0.50	0.51	0.63	0.61
Average passenger car speed (mi/hr)	74.5	74.5	74.6	74.5	70.0	69.7	75.0	74.8	74.3	75.0	73.8	74.0	74.5	74.3	71.8	72.3
Free Flow Speed (mi/hr)	74.2	74.2	74.2	74.2	69.6	69.6	74.6	74.6	73.6	73.6	73.9	73.9	74.6	74.6	74.6	74.6

*density = pc/mi/lane

**I-71 is the East/West street except for US 421 and KY 14 ramp terminals.

2013 NO BUILD RAMP CAPACITY SUMMARY

RAMPS	EXIT 9 to Exit 14 I 265 KY 329				Exit 14 - Exit 17 KY 329 to KY 146				Exit 22 to Exit 28 KY 53 to KY 153				Exit 28 to Exit 34 KY 153 to US 421			
	KY 329 Ramps				KY 146 Ramps				KY 153 Ramps				US 421 Ramps			
	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density
Merge AM	C	26.2	D	32.1	23.8	C	C	26.9	14.5	B	C	22.2	13.3	B	B	16.3
Merge PM	F	43.2	D	34.2	38.7	E	D	33.3	18.5	B	C	21.6	17.5	B	B	18.8
Diverge AM	C	25.0	C	23.8	22.2	C	B	19.8	12.6	B	B	13.6	11.9	B	B	12.9
Diverge PM	E	39.2	D	31.0	39.1	E	D	28.2	16.4	B	B	14.7	13.7	B	B	15.8
RAMP TERMINALS**	KY 329 Ramp Terminals				KY 146 Ramp Terminals				KY 153 Ramp Terminals				US 421 Ramp Terminals			
Ramp Terminals	Queue for KY 329	LOS	ISSUE	Intersection Delay	Queue for KY 329	LOS	ISSUE	Intersection Delay	Queue for KY 153	LOS	ISSUE	Intersection Delay	Queue for KY 421	LOS	ISSUE	Intersection Delay
NB AM	6	F	EBL	220.1	9	C	EBL	23.2	8	E	EB LR	45.4	0	B	NB L	12.2
NB PM	3	E	EBL	45.0	6	B	EBL	17.8	50	F	EB LR	473.0	1	C	NB L	19.6
SB AM	39	F	WBL	10710.0	38	F	EBL	538.3	1	C	WB L	16.3	1	C	SB L	19.4
SB PM	26	F	WBL	540.3	11	F	EBL	165.5	5	E	WB L	41.3	2	C	SB L	19.3
Queue Length for Issue																

RAMPS	Exit 34 to Exit 43 US 421 to KY 389				Exit 43 to Exit 44 KY 389 to KY 227				Exit 44 to Exit 55 KY 227 to KY 1039				Exit 57 to Exit 62 KY 35 to US 127				Exit 62 to Exit 72 US 127 to KY 14			
	KY 389 Ramps				KY 227 Ramps				KY 1039 Ramps				US 127 Ramps				KY 14 Ramps			
	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density
Merge AM	15.1	B	B	14.5	10.5	B	B	14.8	13.2	B	B	14.2	16.6	B	B	14.7	18.2	B	B	15.1
Merge PM	18.3	B	B	17.4	14.2	B	B	18.7	17.2	B	B	17.4	25.5	C	B	17.8	25.9	C	B	18.6
Diverge AM	10.3	B	B	12.6	9.1	A	B	11.0	8.4	A	B	10.4	13.5	B	B	13.9	15.3	B	B	14.4
Diverge PM	15.5	B	B	17.9	13.6	B	B	13.7	12	B	B	12.2	17.8	B	B	16.4	24.6	C	B	18.2
RAMP TERMINALS**	KY 389 Ramp Terminals				KY 227 Ramp Terminals				KY 1039 Ramp Terminals				US 127 Ramp Terminals				KY 14 Ramp Terminals			
Ramp Terminals	Queue for KY 389	LOS	ISSUE	Intersection Delay	Queue for KY 227	LOS	ISSUE	Intersection Delay	Queue for KY 1039	LOS	ISSUE	Intersection Delay	Queue for US 127	LOS	ISSUE	Intersection Delay	Queue for KY 14	LOS	ISSUE	Intersection Delay
NB AM	0	A	EB LR	9.2	4	C	WB LR	16.9	0,1	A, B	NBT & SBL	9.2, 12.3	0	B	10.4	10.4	0	B	NB LR	11.5
NB PM	0	B	EB LR	10.0	3	C	WB LR	16.0	0,0	B,C	NBT & SBL	11.4, 15.2	0	B	11.2	11.2	0	B	NB LR	12.3
SB AM	0	A	WB LR	9.2	3	D	WB LR	28.0	0	B	WB L	10.9	1	B	10.9	10.9	1	B	SB LR	11.9
SB PM	1	B	WB LR	10.1	12	F	WB LR	154.2	2	B	WB L	10.6	2	B	14.4	14.4	4	C	SB LR	17.9
Queue Length for Issue																				

Density - LOS – Level of Service Intersection Delay - Queue – number of vehicles in a queue for the cited issue

**I-71 is the East/West street in the capacity analysis except for US 421 and KY 14 ramp terminals.

I-71 MAINLINE 2038 NO BUILD CAPACITY SUMMARY

Mainline Segments	EXIT 0 TO 2 I-64 to Zorn Avenue		EXIT 2 TO EXIT 5 Zorn Avenue to I-264		EXIT 5 to Exit 9 I 264-I265		EXIT 9 to Exit 14 I 265 KY 329		Exit 14 - Exit 17 KY 329 to KY 146		Exit 17-Exit 18 KY 146 to KY 393		Exit 18-Exit 22 KY 393 to KY 53		Exit 22 to Exit 28 KY 53 to KY 153	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
AM DDHV	3270	4960	3040	5290	2070	4450	2010	4430	2980	3140	2660	2830	2430	2530	1810	2310
PM DDHV	4010	3480	4840	3600	4350	3210	4430	2720	4950	3820	4460	3420	4030	3090	2670	2290
Truck %	14	14	11	11	21	21	24	24	23	23	23	23	29	29	35	35
LOS AM	D	E	D	F	B	F	B	F	E	E	D	E	D	D	C	D
AM Density	33.6	109.2	30.0	162.5	17.1	65.4	16.8	67.4	38.2	42.7	31.7	35.1	29.7	31.7	21.3	30.2
AM v/c	0.85	1.28	0.77	1.35	0.52	1.12	0.51	1.13	0.91	0.96	0.81	0.86	0.79	0.82	0.63	0.8
Average passenger car speed (mi/hr)	57.9	27.0	59.4	19.1	74.2	41.8	74.3	40.9	58.3	54.9	62.8	60.3	65.3	63.6	71.9	64.9
Free Flow Speed (mi/hr)	60.0	60.0	60.0	60.0	73.9	73.9	73.9	73.9	73.0	73.0	69.6	69.6	73.6	73.6	74.2	74.2
LOS PM	F	E	F	E	F	D	F	C	F	F	F	F	F	F	E	D
PM Density	48.8	36.9	88.1	38.2	60.5	30.5	67.4	24.3	N/A	77.2	193.5	52.5	154.6	48.0	39.4	29.7
PM v/c	1.04	0.90	1.23	0.92	1.09	0.80	1.13	0.69	1.51	1.17	1.36	1.04	1.31	1.01	0.92	0.79
Average passenger car speed (mi/hr)	48.8	56.0	32.2	55.3	44.1	64.6	40.9	69.7	N/A	36.9	17.2	48.7	20.8	51.3	57.4	65.2
Free Flow Speed (mi/hr)	60.0	60.0	60.0	60.0	73.9	73.9	73.9	73.9	73.0	73.0	69.6	69.6	73.6	73.6	74.2	74.2

Mainline Segments	Exit 28 to Exit 34 KY 153 to US 421		Exit 34 to Exit 43 US 421 to KY 389		Exit 43 to Exit 44 KY 389 to KY 227		Exit 44 to Exit 55 KY 227 to KY 1039		Exit 55 to Exit 57 KY 1039 to KY 35		Exit 57 to Exit 62 KY 35 to US 127		Exit 62 to Exit 72 US 127 to KY 14		Exit 72 to Exit 77 KY 14 to I-75	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
AM DDHV	1730	1840	1640	1660	1660	1540	1000	1120	1200	1660	1590	1680	1860	1960	2089	2200
PM DDHV	2250	2080	2230	2030	2040	2040	1440	1410	1660	1550	2100	2030	2480	2400	2785	2700
Truck %	41	41	32	32	30	30	46	46	40	40	37	37	34	34	30	30
LOS AM	C	C	C	C	C	B	B	B	B	C	C	C	C	C	C	C
AM Density	21.7	23.5	18.3	18.6	19.2	17.7	12.5	17.9	14.2	20.4	18.7	19.9	21.8	23.3	24.1	25.9
AM v/c	0.63	0.67	0.55	0.56	0.55	0.51	0.38	0.43	0.44	0.6	0.56	0.59	0.64	0.67	0.69	0.72
Average passenger car speed (mi/hr)	71.6	70.3	73.7	73.5	69.8	70.0	75.0	73.8	75	72.5	73.5	72.7	71.5	70.4	69.8	68.4
Free Flow Speed (mi/hr)	74.2	74.2	74.2	74.2	69.6	69.6	74.6	74.6	73.6	73.6	73.9	73.9	74.6	74.6	74.6	74.6
LOS PM	D	D	D	C	C	C	C	B	C	C	D	C	D	D	E	E
PM Density	31.8	C	27.3	23.8	24.3	24.3	18.4	13.7	20.4	18.8	26.8	25.5	33.5	31.6	38.7	36.5
PM v/c	0.82	0.76	0.75	0.68	0.67	0.67	0.45	0.54	0.6	0.56	0.74	0.72	0.85	0.82	0.92	0.89
Average passenger car speed (mi/hr)	63.5	66.7	67.3	70.0	67.7	67.7	73.6	75	72.5	73.4	67.7	68.7	62.1	63.6	57.9	69.7
Free Flow Speed (mi/hr)	74.2	74.2	74.2	74.2	69.6	69.6	74.6	74.6	73.6	73.6	73.9	73.9	74.6	74.6	74.6	74.6

DDHV – Directional Design Hour Volume v/c – volume to capacity ratio LOS – Level of Service

2038 NO BUILD RAMP CAPACITY SUMMARY

	EXIT 9 to Exit 14 I 265 KY 329				Exit 14 - Exit 17 KY 329 to KY 146				Exit 22 to Exit 28 KY 53 to KY 153				Exit 28 to Exit 34 KY 153 to US 421			
RAMPS	KY 329 Ramps				KY 146 Ramps				KY 153 Ramps				US 421 Ramps			
	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density
Merge AM	D	35.0	F	49.7	D	31.6	E	35.6	24.2	C	D	31.0	C	22.3	C	25.2
Merge PM	F	58.0	D	31.7	F	51.9	D	34.9	31.4	D	D	29.8	D	29.8	D	29.4
Diverge AM	B	19.7	D	32.9	D	30.7	C	27.2	19.3	B	D	26.5	C	22.4	C	21.5
Diverge PM	F	43.5	F	42.9	F	53.4	F	41.8	24.9	C	C	25.6	C	21.4	C	25.8
RAMP TERMINALS**	KY 329 Ramp Terminals				KY 146 Ramp Terminals				KY 153 Ramp Terminals				US 421 Ramp Terminals			
Ramp Terminals**	Queue for KY 329	LOS	ISSUE	Intersection Delay	Queue for KY 146	LOS	ISSUE	Intersection Delay	Queue for KY 153	LOS	ISSUE	Intersection Delay	Queue for US 421	LOS	ISSUE	Intersection Delay
NB AM	20	F	EBL	3529.0	15, 2.5	C	EBL, NBL	31.7	24	F	EB LR	264.4	0	C	NB L	16.2
NB PM	19	F	EBL	934.2	30	E	EBL	63.0	87	F	EB LR	1215.0	12	F	NB L	67.0
SB AM	44, N/A	F	NBLT, WBL	145.2, N/A	61	F	EBL	1869.0	2	C	WB L	35.2	3	E	SB L	39.7
SB PM	41	F	WBL	3386.0	23	F	EBL	1016.0	14	F	WB L	333.8	3	C	SB L	24.0

	Exit 34 to Exit 43 US 421 to KY 389				Exit 43 to Exit 44 KY 389 to KY 227				Exit 44 to Exit 55 KY 227 to KY 1039				Exit 57 to Exit 62 KY 35 to US 127				Exit 62 to Exit 72 US 127 to KY 14			
RAMPS	KY 389 Ramps				KY 227 Ramps				KY 1039 Ramps				US 127 Ramps				KY 14 Ramps			
	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density
Merge AM	C	22.1	C	22.6	B	15.4	B	19.6	B	17.1	B	16.9	C	24.6	C	22.4	D	29.9	C	25.7
Merge PM	C	26.8	C	26.8	C	21.3	C	13.9	C	23.2	C	21.1	D	33.3	C	27.2	F	42.8	D	31.4
Diverge AM	B	19.9	B	18.7	B	14.2	B	24.5	B	13.4	B	14.4	D	28.2	C	24.9	C	24.5	C	25.0
Diverge PM	D	28.7	C	25.9	C	21.3	B	17.4	B	19.2	B	17.2	C	21.8	D	29.0	D	33.1	D	31.1
RAMP TERMINALS**	KY 389 Ramp Terminals				KY 227				KY 1039 Ramp Terminals				US 127 Ramp Terminals				KY 14 Ramp Terminals			
Ramp Terminals**	Queue for KY 389	LOS	ISSUE	Intersection Delay	Queue for KY 227	LOS	ISSUE	Intersection Delay	Queue for KY 1039	LOS	ISSUE	Intersection Delay	Queue for KY 127	LOS	ISSUE	Intersection Delay	Queue for KY 14	LOS	ISSUE	Intersection Delay
NB AM	0	A	EB LR	9.2	25	F	WB LR	148.7	3	C	SBL	18.7	0	B	EBL	11.1	1	C	NB LR	22.0
NB PM	0	B	EB LR	10.5	9.0	E	WB LR	41.9	10	F	SBL	50.4	0	B	EBL	12.7	2	D	NB LR	26.5
SB AM	0	A	WB LR	9.3	23	F	WB LR	1843.0	0	B	WBL	13.7	1	B	WBLR	12.3	4	C	SB LR	21.2
SB PM	1	B	WB LR	10.8	3,11	F	WB LR, SBL	6462	0	B	WB L	12.6	5	C	WBLR	22.2	30	F	SB LR	182.2

Density - LOS – Level of Service Intersection Delay - Queue – number of vehicles in a queue for the cited issue

**I-71 is the East/West street in the capacity analysis except for US 421 and KY 14 ramp terminals.

2038 No Build

From Milepoint		To Milepoint		Direction	Time Period	DDHV	Truck Percentage	PHF	Flow Rate	Capacity	v/c Ratio	LOS	Density	Average passenger car Speed (mi/hr)	Free Flow Speed (mi/hr)
0	I-64	2	Zorn Avenue	Northbound	AM	3270	14%	0.9	3888	4600	0.85	D	33.6	57.9	60.0
					PM	4010	14%	0.9	4767	4600	1.04	F	48.8	60.0	
				Southbound	AM	4960	14%	0.9	5897	4600	1.28	E	109.2	27.0	60.0
					PM	3480	14%	0.9	4137	4600	0.90	E	36.9	56.0	60.0
2	Zorn Avenue	5	I-264	Northbound	AM	3040	11%	0.9	3564	4600	0.77	D	30.0	59.4	60.0
					PM	4840	11%	0.9	5674	4600	1.23	F	88.1	32.2	60.0
				Southbound	AM	5290	11%	0.9	6201	4600	1.35	F	162.5	19.1	60.0
					PM	3600	11%	0.9	4220	4600	0.92	E	38.2	55.3	60.0
5	I-264	9	I-265	Northbound	AM	2070	21%	0.9	2542	4900	0.52	B	17.1	74.2	73.9
					PM	4350	21%	0.9	5341	4900	1.09	F	60.5	60.5	73.9
				Southbound	AM	4450	21%	0.9	5464	4900	1.12	F	65.4	41.8	73.9
					PM	3210	21%	0.9	3941	4900	0.80	D	30.5	64.6	73.9
9	I-265	14	KY 329	Northbound	AM	2010	24%	0.9	2501	4900	0.51	B	16.8	74.3	73.9
					PM	4430	24%	0.9	5513	4900	1.13	F	67.4	40.9	73.9
				Southbound	AM	4430	24%	0.9	5513	4900	1.13	F	67.4	40.9	73.9
					PM	2720	24%	0.9	3385	4900	0.69	C	24.3	69.7	73.9
14	KY 329	17	KY 146	Northbound	AM	2980	23%	0.9	4453	4900	0.91	E	38.2	58.3	73.0
					PM	4950	23%	0.9	7398	4900	1.51	F	N/A	n/a	73.0
				Southbound	AM	3140	23%	0.9	4693	4900	0.96	E	42.7	54.9	73.0
					PM	3820	23%	0.9	5709	4900	1.17	F	77.2	36.9	73.0
17	KY 146	18	KY 393	Northbound	AM	2660	23%	0.9	3975	4900	0.81	D	31.7	62.8	69.6
					PM	4460	23%	0.9	6665	4900	1.36	F	193.5	17.2	69.6
				Southbound	AM	2830	23%	0.9	4229	4900	0.86	E	35.1	60.3	69.6
					PM	3420	23%	0.9	5111	4900	1.04	F	52.5	48.7	69.6
18	KY 393	22	KY 53	Northbound	AM	2430	29%	0.9	3875	4900	0.79	D	29.7	65.3	73.6
					PM	4030	29%	0.9	6426	4900	1.31	F	154.6	20.8	73.6
				Southbound	AM	2530	29%	0.9	4034	4900	0.82	D	31.7	63.6	73.6
					PM	3090	29%	0.9	4927	4900	1.01	F	48	51.3	73.6
22	KY 53	28	KY 153	Northbound	AM	1810	35%	0.9	3067	4900	0.63	C	21.3	71.9	74.2
					PM	2670	35%	0.9	4524	4900	0.92	E	39.4	57.4	74.2
				Southbound	AM	2310	35%	0.9	3914	4900	0.80	D	30.2	64.9	74.2
					PM	2290	35%	0.9	3880	4900	0.79	D	29.7	65.2	74.2
28	KY 153	34	US 421	Northbound	AM	1730	41%	0.9	3104	4900	0.63	C	21.7	71.6	74.2
					PM	2250	41%	0.9	4038	4900	0.82	D	31.8	63.5	74.2
				Southbound	AM	1840	41%	0.9	3302	4900	0.67	C	23.5	70.3	74.2
					PM	2080	41%	0.9	3732	4900	0.76	D	28	66.7	74.2
34	US 421	43	KY 389	Northbound	AM	1640	32%	0.9	2697	4900	0.55	C	18.3	73.7	74.2
					PM	2230	32%	0.9	3667	4900	0.75	D	27.3	67.3	74.2
				Southbound	AM	1660	32%	0.9	2730	4900	0.56	C	18.6	73.5	74.2
					PM	2030	32%	0.9	3338	4900	0.68	C	23.8	70	74.2
43	KY 389	44	KY 227	Northbound	AM	1660	30%	0.9	2674	4900	0.55	C	19.2	69.8	69.6
					PM	2040	30%	0.9	3287	4900	0.67	C	24.3	67.7	69.6
				Southbound	AM	1540	30%	0.9	2481	4900	0.51	B	17.7	70	69.6
					PM	2040	30%	0.9	3287	4900	0.67	C	24.3	67.7	69.6
44	KY 227	55	KY 1039	Northbound	AM	1000	46%	0.9	1878	4900	0.38	B	12.5	75	74.6
					PM	1440	46%	0.9	2704	4900	0.55	C	18.4	73.6	74.6
				Southbound	AM	1120	46%	0.9	2103	4900	0.43	B	17.9	73.8	74.6
					PM	1410	46%	0.9	2648	4900	0.54	B	13.7	75	74.6
55	KY 1039	57	KY 35	Northbound	AM	1200	40%	0.9	2133	4900	0.44	B	14.2	75	73.6
					PM	1660	40%	0.9	2951	4900	0.60	C	20.4	72.5	73.6
				Southbound	AM	1660	40%	0.9	2951	4900	0.60	C	20.4	72.5	73.6
					PM	1550	40%	0.9	2756	4900	0.56	C	18.8	73.4	73.6
57	KY 35	62	US 127	Northbound	AM	1590	37%	0.9	2747	4900	0.56	C	18.7	73.5	73.9
					PM	2100	37%	0.9	3628	4900	0.74	D	26.8	67.7	73.9
				Southbound	AM	1680	37%	0.9	2903	4900	0.59	C	19.9	72.7	73.9
					PM	2030	37%	0.9	3507	4900	0.72	C	25.5	68.7	73.9
62	US 127	72	KY 146	Northbound	AM	1860	34%	0.9	3121	4900	0.64	C	21.8	71.5	74.6
					PM	2480	34%	0.9	4161	4900	0.85	D	33.5	62.1	74.6
				Southbound	AM	1960	34%	0.9	3288	4900	0.67	C	23.3	70.4	74.6
					PM	2400	34%	0.9	4027	4900	0.82	D	31.6	63.6	74.6
72	KY 14	77	I-71	Northbound	AM	2089	30%	0.9	3366	4900	0.69	C	24.1	69.8	74.6
					PM	2785	30%	0.9	4487	4900	0.92	E	38.7	68.4	74.6
				Southbound	AM	2200	30%	0.9	3544	4900	0.72	C	25.9	57.9	74.6
					PM	2700	30%	0.9	4350	4900	0.89	E	36.5	69.7	74.6

I-71 MAINLINE 2038 BUILD CAPACITY SUMMARY

	EXIT 0 TO 2 I-64 to Zorn Avenue		EXIT 2 TO EXIT 5 Zorn Ave. to I-264		EXIT 5 to Exit 9 I 264-I-265		EXIT 9 to Exit 14 I 265 KY 329		Exit 14 - Exit 17 KY 329 to KY 146		Exit 17-Exit 18 KY 146 to KY 393		Exit 18-Exit 22 KY 393 to KY 53		Exit 22-Exit 28 KY 393 to KY 53	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
AM DDHV	3270	4960	3040	5290	2070	4450	2010	4430	2980	3140	2660	2830	2430	2530	1810	2310
PM DDHV	4010	3480	4840	3600	4350	3210	4430	2720	4950	3820	4460	3420	4030	3090	2670	2290
Truck %	14	14	11	11	21	21	24	24	23	23	23	23	29	29	35	35
LOS AM	C	D	C	E	B	D	B	D	C	C	C	C	B	C	B	B
AM Density	21.6	34.2	19.8	36.9	11.3	27.0	11.1	27.3	20.5	21.9	19.0	20.3	15.9	18.3	13.6	17.6
AM v/c ratio	0.60	0.85	0.52	0.90	0.35	0.74	0.34	0.75	0.61	0.64	0.54	0.58	0.53	0.55	0.42	0.53
Average passenger car speed (mi/hr)	60.0	57.6	60.0	56.0	75.0	67.5	74.3	67.2	72.4	71.5	69.8	69.5	74.6	73.7	75.0	74.0
Free Flow Speed (mi/hr)	60.0	60.0	60.0	60.0	73.9	73.9	73.9	73.9	73.0	73.0	69.6	69.6	73.6	73.6	74.2	74.2
LOS PM	D	C	D	C	D	D	D	B	F	D	E	C	E	C	C	B
PM Density	26.5	23.0	32.3	23.5	26.1	30.5	27.3	15.1	48.2	28.8	38.4	25.4	35.4	23.3	20.9	17.5
PM v/c ratio	0.69	0.60	0.82	0.61	0.73	0.54	0.75	0.46	1.01	0.78	0.91	0.7	0.87	0.67	0.62	0.53
Average passenger car speed (mi/hr)	60.0	60.0	58.5	60.0	68.3	75.0	67.2	74.8	51.2	66	57.9	67.1	60.6	70.4	72.1	74.0
Free Flow Speed (mi/hr)	60.0	60.0	60.0	60.0	73.9	73.9	73.9	73.9	73.0	73.0	69.6	69.6	73.6	73.6	74.2	74.2

	Exit 28 to Exit 34 KY 153 to US 421		Exit 34 to Exit 43 US 421 to KY 389		Exit 43 to Exit 44 KY 389 to KY 227		Exit 44 to Exit 55 KY 227 to KY 1039		Exit 55 to Exit 57 KY 1039 to KY 35		Exit 57 to Exit 62 KY 35 to US 127		Exit 62 to Exit 72 US 127 to KY 14		Exit 72 to Exit 77 KY 14 to I-75	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
AM DDHV	1730	1840	1640	1660	1660	1540	1000	1120	1200	1660	1590	1680	1860	1960	2089	2200
PM DDHV	2250	2080	2230	2030	2040	2040	1000	1410	1660	1550	2100	2030	2480	2400	2785	2700
Truck %	41	41	32	32	30	30	46	46	40	40	37	37	34	34	30	30
LOS AM	C	C	C	C	C	B	B	B	B	C	C	C	B	B	B	B
AM Density	21.7	23.5	18.3	18.6	19.2	17.7	12.5	17.9	14.2	20.4	18.7	19.9	13.9	14.6	15.0	15.8
AM v/c ratio	0.63	0.67	0.55	0.56	0.55	0.51	0.38	0.43	0.44	0.6	0.56	0.59	0.42	0.45	0.46	0.48
Average passenger car speed (mi/hr)	71.6	70.3	73.7	73.5	69.8	70.0	75.0	73.8	75	72.5	73.5	72.7	75.0	74.9	74.8	74.6
Free Flow Speed (mi/hr)	74.2	74.2	74.2	74.2	69.6	69.6	74.6	74.6	73.6	73.6	73.9	73.9	74.6	74.6	74.6	74.6
LOS PM	D	D	D	C	C	C	B	B	C	C	D	C	C	C	C	C
PM Density	31.8	28	27.3	23.8	24.3	24.3	12.5	13.7	20.4	18.8	26.8	25.5	18.9	18.2	20.7	19.9
PM v/c ratio	0.82	0.76	0.75	0.68	0.67	0.67	0.38	0.54	0.6	0.56	0.74	0.72	0.57	0.55	0.61	0.59
Average passenger car speed (mi/hr)	63.5	66.7	67.3	70.0	67.7	67.7	75	75	72.5	73.4	67.7	68.7	73.3	73.7	72.3	72.7
Free Flow Speed (mi/hr)	74.2	74.2	74.2	74.2	69.6	69.6	74.6	74.6	73.6	73.6	73.9	73.9	74.6	74.6	74.6	74.6

DDHV – Directional Design Hour Volume v/c – volume to capacity ratio LOS – Level of Service

2038 No Build

From Milepoint		To Milepoint		Direction	Time Period	DDHV	Truck Percentage	PHF	Flow Rate	Capacity	v/c Ratio	LOS	Density	Average passenger car Speed (mi/hr)	Free Flow Speed (mi/hr)
0	I-64	2	Zorn Avenue	Northbound	AM	3270	14%	0.9	3888	4600	0.85	D	33.6	57.9	60.0
					PM	4010	14%	0.9	4767	4600	1.04	F	48.8	60.0	
				Southbound	AM	4960	14%	0.9	5897	4600	1.28	E	109.2	27.0	60.0
					PM	3480	14%	0.9	4137	4600	0.90	E	36.9	56.0	60.0
2	Zorn Avenue	5	I-264	Northbound	AM	3040	11%	0.9	3564	4600	0.77	D	30.0	59.4	60.0
					PM	4840	11%	0.9	5674	4600	1.23	F	88.1	32.2	60.0
				Southbound	AM	5290	11%	0.9	6201	4600	1.35	F	162.5	19.1	60.0
					PM	3600	11%	0.9	4220	4600	0.92	E	38.2	55.3	60.0
5	I-264	9	I-265	Northbound	AM	2070	21%	0.9	2542	4900	0.52	B	17.1	74.2	73.9
					PM	4350	21%	0.9	5341	4900	1.09	F	60.5	60.5	73.9
				Southbound	AM	4450	21%	0.9	5464	4900	1.12	F	65.4	41.8	73.9
					PM	3210	21%	0.9	3941	4900	0.80	D	30.5	64.6	73.9
9	I-265	14	KY 329	Northbound	AM	2010	24%	0.9	2501	4900	0.51	B	16.8	74.3	73.9
					PM	4430	24%	0.9	5513	4900	1.13	F	67.4	40.9	73.9
				Southbound	AM	4430	24%	0.9	5513	4900	1.13	F	67.4	40.9	73.9
					PM	2720	24%	0.9	3385	4900	0.69	C	24.3	69.7	73.9
14	KY 329	17	KY 146	Northbound	AM	2980	23%	0.9	4453	4900	0.91	E	38.2	58.3	73.0
					PM	4950	23%	0.9	7398	4900	1.51	F	N/A	n/a	73.0
				Southbound	AM	3140	23%	0.9	4693	4900	0.96	E	42.7	54.9	73.0
					PM	3820	23%	0.9	5709	4900	1.17	F	77.2	36.9	73.0
17	KY 146	18	KY 393	Northbound	AM	2660	23%	0.9	3975	4900	0.81	D	31.7	62.8	69.6
					PM	4460	23%	0.9	6665	4900	1.36	F	193.5	17.2	69.6
				Southbound	AM	2830	23%	0.9	4229	4900	0.86	E	35.1	60.3	69.6
					PM	3420	23%	0.9	5111	4900	1.04	F	52.5	48.7	69.6
18	KY 393	22	KY 53	Northbound	AM	2430	29%	0.9	3875	4900	0.79	D	29.7	65.3	73.6
					PM	4030	29%	0.9	6426	4900	1.31	F	154.6	20.8	73.6
				Southbound	AM	2530	29%	0.9	4034	4900	0.82	D	31.7	63.6	73.6
					PM	3090	29%	0.9	4927	4900	1.01	F	48	51.3	73.6
22	KY 53	28	KY 153	Northbound	AM	1810	35%	0.9	3067	4900	0.63	C	21.3	71.9	74.2
					PM	2670	35%	0.9	4524	4900	0.92	E	39.4	57.4	74.2
				Southbound	AM	2310	35%	0.9	3914	4900	0.80	D	30.2	64.9	74.2
					PM	2290	35%	0.9	3880	4900	0.79	D	29.7	65.2	74.2
28	KY 153	34	US 421	Northbound	AM	1730	41%	0.9	3104	4900	0.63	C	21.7	71.6	74.2
					PM	2250	41%	0.9	4038	4900	0.82	D	31.8	63.5	74.2
				Southbound	AM	1840	41%	0.9	3302	4900	0.67	C	23.5	70.3	74.2
					PM	2080	41%	0.9	3732	4900	0.76	D	28	66.7	74.2
34	US 421	43	KY 389	Northbound	AM	1640	32%	0.9	2697	4900	0.55	C	18.3	73.7	74.2
					PM	2230	32%	0.9	3667	4900	0.75	D	27.3	67.3	74.2
				Southbound	AM	1660	32%	0.9	2730	4900	0.56	C	18.6	73.5	74.2
					PM	2030	32%	0.9	3338	4900	0.68	C	23.8	70	74.2
43	KY 389	44	KY 227	Northbound	AM	1660	30%	0.9	2674	4900	0.55	C	19.2	69.8	69.6
					PM	2040	30%	0.9	3287	4900	0.67	C	24.3	67.7	69.6
				Southbound	AM	1540	30%	0.9	2481	4900	0.51	B	17.7	70	69.6
					PM	2040	30%	0.9	3287	4900	0.67	C	24.3	67.7	69.6
44	KY 227	55	KY 1039	Northbound	AM	1000	46%	0.9	1878	4900	0.38	B	12.5	75	74.6
					PM	1440	46%	0.9	2704	4900	0.55	C	18.4	73.6	74.6
				Southbound	AM	1120	46%	0.9	2103	4900	0.43	B	17.9	73.8	74.6
					PM	1410	46%	0.9	2648	4900	0.54	B	13.7	75	74.6
55	KY 1039	57	KY 35	Northbound	AM	1200	40%	0.9	2133	4900	0.44	B	14.2	75	73.6
					PM	1660	40%	0.9	2951	4900	0.60	C	20.4	72.5	73.6
				Southbound	AM	1660	40%	0.9	2951	4900	0.60	C	20.4	72.5	73.6
					PM	1550	40%	0.9	2756	4900	0.56	C	18.8	73.4	73.6
57	KY 35	62	US 127	Northbound	AM	1590	37%	0.9	2747	4900	0.56	C	18.7	73.5	73.9
					PM	2100	37%	0.9	3628	4900	0.74	D	26.8	67.7	73.9
				Southbound	AM	1680	37%	0.9	2903	4900	0.59	C	19.9	72.7	73.9
					PM	2030	37%	0.9	3507	4900	0.72	C	25.5	68.7	73.9
62	US 127	72	KY 146	Northbound	AM	1860	34%	0.9	3121	4900	0.64	C	21.8	71.5	74.6
					PM	2480	34%	0.9	4161	4900	0.85	D	33.5	62.1	74.6
				Southbound	AM	1960	34%	0.9	3288	4900	0.67	C	23.3	70.4	74.6
					PM	2400	34%	0.9	4027	4900	0.82	D	31.6	63.6	74.6
72	KY 14	77	I-71	Northbound	AM	2089	30%	0.9	3366	4900	0.69	C	24.1	69.8	74.6
					PM	2785	30%	0.9	4487	4900	0.92	E	38.7	68.4	74.6
				Southbound	AM	2200	30%	0.9	3544	4900	0.72	C	25.9	57.9	74.6
					PM	2700	30%	0.9	4350	4900	0.89	E	36.5	69.7	74.6