

	No Build	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 4a
		Interchange	Continuous Green Tee Intersection	4-Way Intersection	Roundabout	Roundabout (no Porter Pike Extension)
Cost (Millions)	\$0	\$7.50	\$7.70	\$6.01	\$13.80	\$21.30
Total Delay (minutes)	5,979	6,557	10,490	11,275	5,316	5,160
Total Travel Time (minutes)	12,062	11,327	16,274	17,119	10,391	10,225
Ranking (1=Best)						
Based on Total Delay¹	3	4	5	6	2	1
Based on Total Travel Time²	4	3	5	6	2	1
High Crash Spots Eliminated (2 possible)	0	2	2	2	2	2
Conflict Points (at US 31W/KY 446)	10	10	15	41	26	26
Intersection LOS						
US 31W/KY 446						
2040 LOS AM						
EB	B*		D	D		C
WB			C	F		A
NB			D	F		A
SB	F*		C	F		A
2040 LOS PM						
EB	B		C	F		C
WB			C	D		A
NB			E	F		C
SB	D		E	F		A
US 31W/Old Porter Pike						
2040 LOS AM						
EB	C**	C**	C**	C**		C**
WB	B**	B**	B**	B**		B**
NB	F	F	F	F		F
SB	F	F	F	F		F
2040 LOS PM						
EB	B**	B**	B**	B**		B**
WB	C**	C**	C**	C**		C**
NB	F	F	F	F		F
SB	F	F	F	F		F
US 31W/Northgate Center						
2040 LOS AM						
EB	C	C	C	C		C
WB	B	B	B	B		B
NB	C	C	C	C		C
2040 LOS PM						
EB	B	B	B	B		B
WB	A	A	A	A		A
NB	C	C	C	C		C
US 31W/Porter Pike						
2040 LOS AM						
EB	C	C	C	C		C
WB	F	F	F	F		F
NB	E	F	F	F		E
SB	F	F	F	F		F
2040 LOS PM						
EB	D	D	D	D		D
WB	C	C	C	C		C
NB	E	E	E	E		E
SB	E	E	E	E		E
US 31W/Plum Springs Road						
2040 LOS AM						
EB	B	B	F	F		F
WB	B	F	E	E		E
NB	C	D	C	C		C
SB	C	F	F	F		F
2040 LOS PM						
EB	B	E	E	E		E
WB	A	B	B	B		B
NB	C	D	D	D		D
SB	C	D	D	D		D
KY 446/Corvette Drive						
2040 LOS AM						
EB	C	E	E	E		C
WB	C	D	D	D		C
NB	E	F	F	F		E
SB	E	F	F	F		E
2040 LOS PM						
EB	F	F	F	F		F
WB	E	E	E	E		E
NB	F	F	F	F		F
SB	E	F	F	F		E

¹Delay=total network delay from the model

² Travel Time=total network travel time at posted speed limit (from model)

*LOS is for EB left movement only.

**LOS is for left turn movement only.

