

Appendix B2

Travel Time and Speed Data

Roadway Segment	Segment Description	Travel Length	Speed Limit	AM Peak Observed Speed	"No Stop" Travel Time	AM Peak Total Travel Time	Delay
		(Miles)	(mph)	(mph)	(min)	(min)	(min)
A	Monaca to Frankfort Rd	2.90	40	26.7	4.6	6.5	1.9
B	Frankfort Road Intersection	0.14	40	15.0	0.2	0.6	0.3
C	Frankfort Road to Center Grange Road	1.55	40	33.7	2.3	2.8	0.4
D	Center Grange Road to Pleasant Drive	1.03	40	34.6	1.5	1.8	0.2
E	Pleasant Drive Intersection	0.10	40	34.7	0.2	0.2	0.0
F	Pleasant Drive to Chapel Road	1.99	40	36.6	3.1	3.3	0.2
G	Chapel Road to Mill Street/ Kennedy Blvd	0.39	35	31.6	0.7	0.7	0.1
H	Mill Street/ Kennedy Blvd Intersection	0.06	35	10.0	0.1	0.4	0.3
I	Mill Street/ Kennedy Blvd to 20th Street	0.63	35	19.7	1.1	1.9	0.8
J	20th Street to Truman Drive	0.98	35	33.5	1.7	1.7	0.1
K	Truman Drive to Five Points	1.64	35	30.3	2.8	3.2	0.4
L	Five Points Intersection	0.03	35	13.4	0.0	0.1	0.1
M	Five Points to County Line	1.19	35	32.0	2.0	2.2	0.2
Total		9.59	-	27.1	20.4	25.5	5.1

Roadway Segment	Segment Description	Travel Length	Speed Limit	PM Peak Observed Speed	"No Stop" Travel Time	PM Peak Total Travel Time	Delay
		(Miles)	(mph)	(mph)	(min)	(min)	(min)
A	Monaca to Frankfort Rd	2.90	40	23.2	4.6	7.5	2.9
B	Frankfort Road Intersection	0.14	40	13.8	0.2	0.6	0.4
C	Frankfort Road to Center Grange Road	1.55	40	31.2	2.3	3.0	0.7
D	Center Grange Road to Pleasant Drive	1.03	40	36.9	1.5	1.7	0.1
E	Pleasant Drive Intersection	0.10	40	36.2	0.2	0.2	0.0
F	Pleasant Drive to Chapel Road	1.99	40	37.9	3.1	3.2	0.1
G	Chapel Road to Mill Street/ Kennedy Blvd	0.39	35	30.3	0.7	0.8	0.1
H	Mill Street/ Kennedy Blvd Intersection	0.06	35	8.3	0.1	0.5	0.3
I	Mill Street/ Kennedy Blvd to 20th Street	0.63	35	16.9	1.1	2.3	1.2
J	20th Street to Truman Drive	0.98	35	35.2	1.7	1.7	0.0
K	Truman Drive to Five Points	1.64	35	33.3	2.8	3.0	0.1
L	Five Points Intersection	0.03	35	11.9	0.0	0.1	0.1
M	Five Points to County Line	1.19	35	33.4	2.0	2.1	0.1
Total		9.59	-	26.8	20.4	26.5	6.1

Roadway Segment	Segment Description	Travel Length	Speed Limit	AM Peak Observed Speed	"No Stop" Travel Time	AM Peak Total Travel Time	Delay
		(Miles)	(mph)	(mph)	(min)	(min)	(min)
A	Monaca to Frankfort Rd	2.89	40	30.2	4.6	5.7	1.1
B	Frankfort Road Intersection	0.14	40	16.1	0.2	0.5	0.3
C	Frankfort Road to Center Grange Road	1.55	40	34.4	2.3	2.7	0.4
D	Center Grange Road to Pleasant Drive	1.03	40	37.6	1.5	1.6	0.1
E	Pleasant Drive Intersection	0.10	40	36.9	0.2	0.2	0.0
F	Pleasant Drive to Chapel Road	1.99	40	37.5	3.1	3.2	0.1
G	Chapel Road to Mill Street/ Kennedy Blvd	0.39	35	27.5	0.7	0.9	0.2
H	Mill Street/ Kennedy Blvd Intersection	0.06	35	12.9	0.1	0.3	0.2
I	Mill Street/ Kennedy Blvd to 20th Street	0.63	35	25.8	1.1	1.5	0.4
J	20th Street to Truman Drive	0.98	35	33.1	1.7	1.8	0.1
K	Truman Drive to Five Points	1.64	35	25.2	2.8	3.9	1.1
L	Five Points Intersection	0.03	35	25.2	0.0	0.1	0.0
M	Five Points to County Line	1.19	35	34.7	2.0	2.1	0.0
Total		9.59	-	29.0	20.3	24.4	4.0

Roadway Segment	Segment Description	Travel Length	Speed Limit	PM Peak Observed Speed	"No Stop" Travel Time	PM Peak Total Travel Time	Delay
		(Miles)	(mph)	(mph)	(min)	(min)	(min)
A	Monaca to Frankfort Rd	2.89	40	27.4	4.6	6.3	1.7
B	Frankfort Road Intersection	0.14	40	13.6	0.2	0.6	0.4
C	Frankfort Road to Center Grange Road	1.55	40	30.7	2.3	3.0	0.7
D	Center Grange Road to Pleasant Drive	1.03	40	35.6	1.5	1.7	0.2
E	Pleasant Drive Intersection	0.10	40	36.8	0.2	0.2	0.0
F	Pleasant Drive to Chapel Road	1.99	40	35.7	3.1	3.3	0.3
G	Chapel Road to Mill Street/ Kennedy Blvd	0.39	35	22.1	0.7	1.1	0.4
H	Mill Street/ Kennedy Blvd Intersection	0.06	35	9.7	0.1	0.4	0.3
I	Mill Street/ Kennedy Blvd to 20th Street	0.63	35	22.9	1.1	1.7	0.6
J	20th Street to Truman Drive	0.98	35	34.3	1.7	1.7	0.0
K	Truman Drive to Five Points	1.64	35	24.9	2.8	4.0	1.1
L	Five Points Intersection	0.03	35	20.0	0.0	0.1	0.0
M	Five Points to County Line	1.19	35	34.4	2.0	2.1	0.0
Total		9.59	-	26.8	20.3	26.2	5.8



Brodhead Road Corridor Planning Study
Travel Time Summary (Corridor Average Results)

Corridor: Brodhead Road
Direction: Northbound / Southbound Summary
Scenario: Weekday AM & PM Peak, 2019

Roadway	Direction (Period)	Travel Length (Miles)	"No Stop" Running Time (Min)	CORRIDOR AVERAGE SUMMARY		
				Total Travel Time (Min)	Delay (Min)	Speed (mph)
				Brodhead Road	NB (AM)	9.59
	NB (PM)	9.59	20.4	26.5	6.1	26.8
Brodhead Road	SB (AM)	9.59	20.3	24.4	4.0	29.0
	SB (PM)	9.59	20.3	26.2	5.8	26.8

Brodhead Road Corridor Planning Study

Average Cumulative Travel Time and Delay (Existing Condition)

