

**USH 151: BUS 151 TO STH 126 (IOWA AND LAFAYETTE COUNTIES)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 126 - CTH G - CTH O**

OCTOBER

Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH							
	MAIN ROUTE		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	43	0.0	6	0.0	1500	43	0	6	0.50	0	63.8	60.7	41.9	24.8	24.8
1-2 AM	33	0.0	5	0.0	1500	33	0	5	0.50	0	63.8	60.8	41.9	24.8	24.8
2-3 AM	22	0.0	3	0.0	1500	22	0	3	0.50	0	63.8	60.8	41.9	24.8	24.8
3-4 AM	23	0.0	4	0.0	1500	23	0	4	0.50	0	63.8	60.8	41.9	24.8	24.8
4-5 AM	27	0.0	4	0.0	1500	27	0	4	0.50	0	63.8	60.8	41.9	24.8	24.8
5-6 AM	58	0.0	9	0.0	1500	58	0	9	0.50	0	63.8	60.7	41.8	24.8	24.8
6-7 AM	108	0.0	18	0.0	1500	108	0	18	0.51	0	63.7	60.6	41.6	24.7	24.7
7-8 AM	188	0.0	30	0.0	1500	188	0	30	0.52	0	63.5	60.4	41.4	24.6	24.6
8-9 AM	285	0.0	45	0.0	1500	285	0	45	0.53	0	63.3	60.2	41.0	24.5	24.5
9-10 AM	375	0.0	59	0.0	1500	375	0	59	0.53	0	63.2	60.0	40.7	24.4	24.4
10-11 AM	426	0.0	67	0.0	1500	426	0	67	0.54	0	63.1	59.9	40.6	24.3	24.3
11A-NOON	406	0.0	64	0.0	1500	406	0	64	0.54	0	63.2	59.9	40.6	24.3	24.3
NOON-1PM	358	0.0	57	0.0	1500	358	0	57	0.53	0	63.2	60.1	40.7	24.4	24.4
1-2 PM	344	0.0	55	0.0	1500	344	0	55	0.53	0	63.3	60.1	40.8	24.4	24.4
2-3 PM	336	0.0	53	0.0	1500	336	0	53	0.53	0	63.3	60.1	40.9	24.5	24.5
3-4 PM	349	0.0	55	0.0	1500	349	0	55	0.53	0	63.3	60.1	40.8	24.4	24.4
4-5 PM	360	0.0	57	0.0	1500	360	0	57	0.53	0	63.2	60.1	40.7	24.4	24.4
5-6 PM	312	0.0	49	0.0	1500	312	0	49	0.53	0	63.3	60.2	40.9	24.5	24.5
6-7 PM	275	0.0	43	0.0	1500	275	0	43	0.52	0	63.4	60.2	41.0	24.5	24.5
7-8 PM	231	0.0	36	0.0	1500	231	0	36	0.52	0	63.5	60.4	41.2	24.6	24.6
8-9 PM	191	0.0	30	0.0	1500	191	0	30	0.52	0	63.5	60.4	41.4	24.6	24.6
9-10 PM	140	0.0	22	0.0	1500	140	0	22	0.51	0	63.7	60.5	41.5	24.7	24.7
10-11 PM	111	0.0	18	0.0	1500	111	0	18	0.51	0	63.7	60.6	41.6	24.7	24.7
11PM-MID	106	0.0	16	0.0	1500	106	0	16	0.51	0	63.7	60.6	41.6	24.7	24.7

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0089
MAIN ROUTE WITH WORKS	0.0095
DIVERSION	0.0158

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$686
CONGESTED HOURS PER DAY*	0

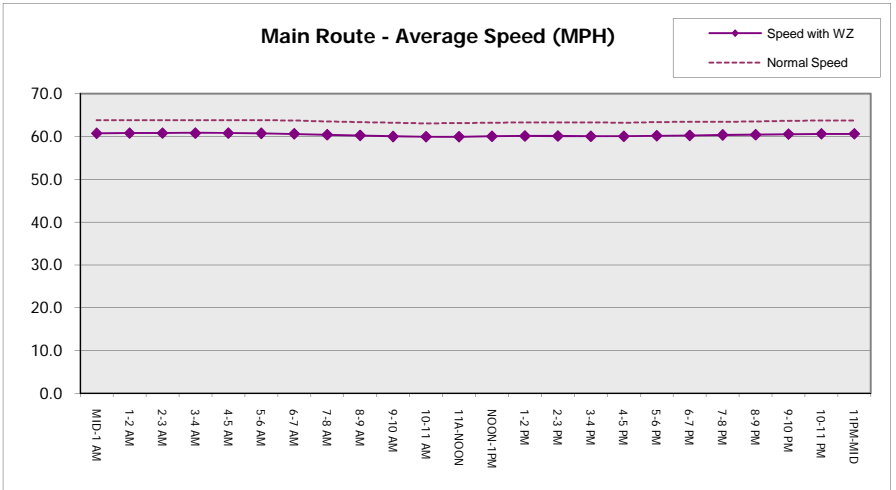
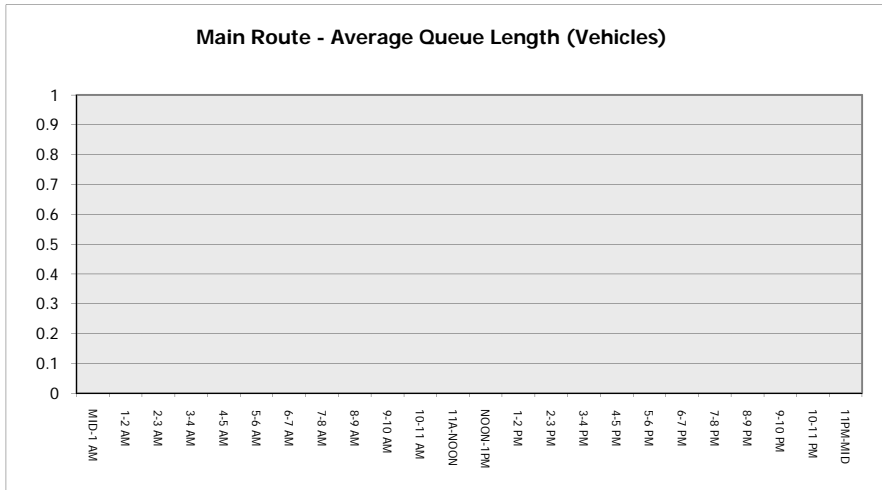
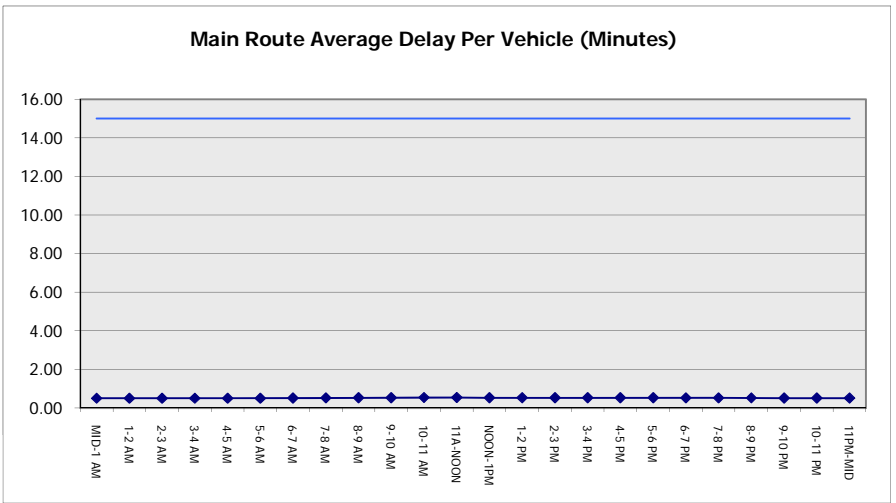
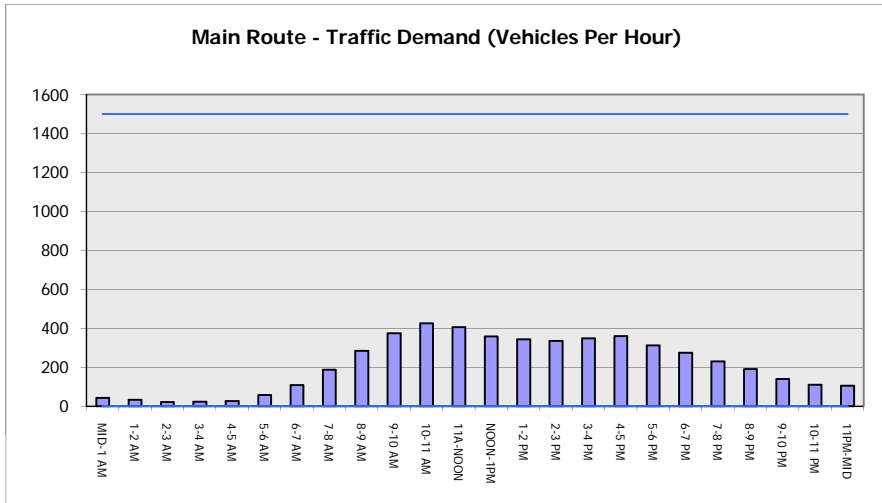
*Delays Exceeding 15 Minutes

USH 151: BUS 151 TO STH 126 (IOWA AND LAFAYETTE COUNTIES)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 126 - CTH G - CTH O

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY SOUTHBOUND DIRECTION



USH 151: BUS 151 TO STH 126 (IOWA AND LAFAYETTE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 126 - CTH G - CTH O	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	57	0.0	9	0.0	1500	57	0	9	0.50	0	63.8	60.7	41.8	24.8	24.8
1-2 AM	49	0.0	7	0.0	1500	49	0	7	0.50	0	63.8	60.7	41.9	24.8	24.8
2-3 AM	37	0.0	6	0.0	1500	37	0	6	0.50	0	63.8	60.8	41.9	24.8	24.8
3-4 AM	28	0.0	4	0.0	1500	28	0	4	0.50	0	63.8	60.8	41.9	24.8	24.8
4-5 AM	42	0.0	6	0.0	1500	42	0	6	0.50	0	63.8	60.7	41.9	24.8	24.8
5-6 AM	75	0.0	12	0.0	1500	75	0	12	0.51	0	63.8	60.7	41.7	24.7	24.7
6-7 AM	101	0.0	16	0.0	1500	101	0	16	0.51	0	63.7	60.6	41.7	24.7	24.7
7-8 AM	181	0.0	29	0.0	1500	181	0	29	0.52	0	63.6	60.4	41.4	24.6	24.6
8-9 AM	286	0.0	45	0.0	1500	286	0	45	0.53	0	63.3	60.2	41.0	24.5	24.5
9-10 AM	352	0.0	56	0.0	1500	352	0	56	0.53	0	63.2	60.1	40.8	24.4	24.4
10-11 AM	400	0.0	63	0.0	1500	400	0	63	0.54	0	63.2	60.0	40.6	24.3	24.3
11A-NOON	395	0.0	62	0.0	1500	395	0	62	0.54	0	63.2	60.0	40.6	24.3	24.3
NOON-1PM	383	0.0	61	0.0	1500	383	0	61	0.54	0	63.2	60.0	40.7	24.3	24.3
1-2 PM	390	0.0	62	0.0	1500	390	0	62	0.54	0	63.2	60.0	40.7	24.3	24.3
2-3 PM	395	0.0	62	0.0	1500	395	0	62	0.54	0	63.2	60.0	40.6	24.3	24.3
3-4 PM	370	0.0	59	0.0	1500	370	0	59	0.53	0	63.2	60.1	40.7	24.4	24.4
4-5 PM	382	0.0	61	0.0	1500	382	0	61	0.54	0	63.2	60.0	40.7	24.3	24.3
5-6 PM	321	0.0	50	0.0	1500	321	0	50	0.53	0	63.3	60.1	40.9	24.5	24.5
6-7 PM	302	0.0	47	0.0	1500	302	0	47	0.53	0	63.3	60.2	40.9	24.5	24.5
7-8 PM	247	0.0	39	0.0	1500	247	0	39	0.52	0	63.5	60.3	41.1	24.5	24.5
8-9 PM	195	0.0	31	0.0	1500	195	0	31	0.52	0	63.5	60.4	41.3	24.6	24.6
9-10 PM	164	0.0	26	0.0	1500	164	0	26	0.51	0	63.6	60.5	41.4	24.7	24.7
10-11 PM	110	0.0	18	0.0	1500	110	0	18	0.51	0	63.7	60.6	41.6	24.7	24.7
11PM-MID	79	0.0	12	0.0	1500	79	0	12	0.51	0	63.8	60.7	41.7	24.7	24.7

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0093
MAIN ROUTE WITH WORKS	0.0099
DIVERSION	0.0166

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$722
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 151: BUS 151 TO STH 126 (IOWA AND LAFAYETTE COUNTIES)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 126 - CTH G - CTH O

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

