

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

AUGUST

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	63	0.0	10	0.0	1500	63	0	10	0.50	0	63.8	60.7	41.8	24.8	24.8
1-2 AM	34	0.0	5	0.0	1500	34	0	5	0.50	0	63.8	60.8	41.9	24.8	24.8
2-3 AM	23	0.0	3	0.0	1500	23	0	3	0.50	0	63.8	60.8	41.9	24.8	24.8
3-4 AM	25	0.0	4	0.0	1500	25	0	4	0.50	0	63.8	60.8	41.9	24.8	24.8
4-5 AM	36	0.0	5	0.0	1500	36	0	5	0.50	0	63.8	60.8	41.9	24.8	24.8
5-6 AM	47	0.0	7	0.0	1500	47	0	7	0.50	0	63.8	60.7	41.9	24.8	24.8
6-7 AM	85	0.0	13	0.0	1500	85	0	13	0.51	0	63.7	60.7	41.7	24.7	24.7
7-8 AM	174	0.0	28	0.0	1500	174	0	28	0.52	0	63.6	60.5	41.4	24.7	24.7
8-9 AM	307	0.0	48	0.0	1500	307	0	48	0.53	0	63.3	60.2	40.9	24.5	24.5
9-10 AM	416	0.0	66	0.0	1500	416	0	66	0.54	0	63.2	59.9	40.6	24.3	24.3
10-11 AM	501	0.0	79	0.0	1500	501	0	79	0.55	0	63.0	59.7	40.3	24.2	24.2
11A-NOON	505	0.0	79	0.0	1500	505	0	79	0.55	0	63.0	59.7	40.3	24.2	24.2
NOON-1PM	431	0.0	68	0.0	1500	431	0	68	0.54	0	63.1	59.9	40.5	24.3	24.3
1-2 PM	413	0.0	65	0.0	1500	413	0	65	0.54	0	63.2	59.9	40.6	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	408	0.0	64	0.0	1500	408	0	64	0.54	0	63.2	59.9	40.6	24.3	24.3
4-5 PM	401	0.0	63	0.0	1500	401	0	63	0.54	0	63.2	59.9	40.6	24.3	24.3
5-6 PM	352	0.0	56	0.0	1500	352	0	56	0.53	0	63.2	60.1	40.8	24.4	24.4
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	229	0.0	36	0.0	1500	229	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	169	0.0	27	0.0	1500	169	0	27	0.51	0	63.6	60.5	41.4	24.7	24.7
10-11 PM	130	0.0	21	0.0	1500	130	0	21	0.51	0	63.7	60.5	41.5	24.7	24.7
11PM-MID	95	0.0	15	0.0	1500	95	0	15	0.51	0	63.7	60.6	41.7	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	0.0100
MAIN ROUTE WITH WORKS	0.0106
DIVERSION	0.0178

PIA: Personal Injury Accidents

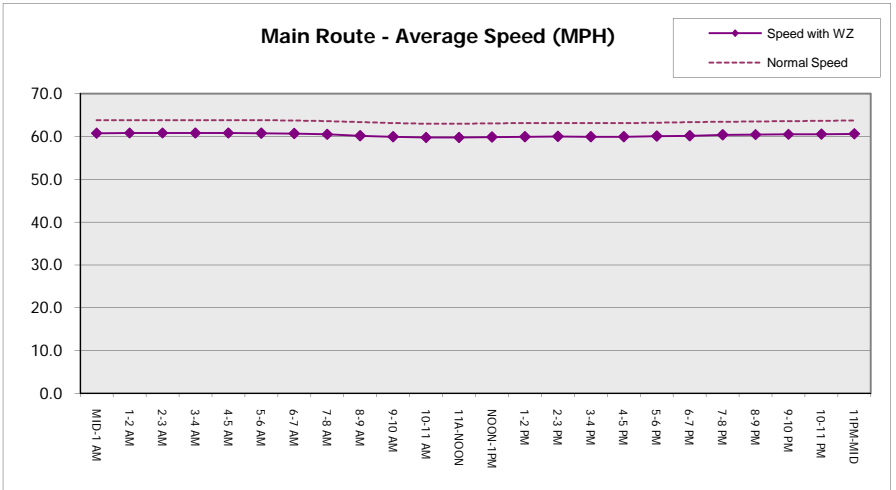
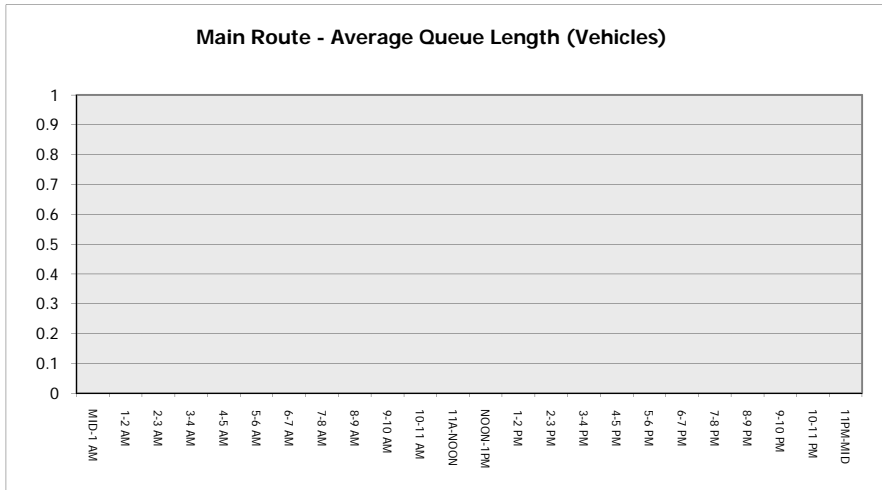
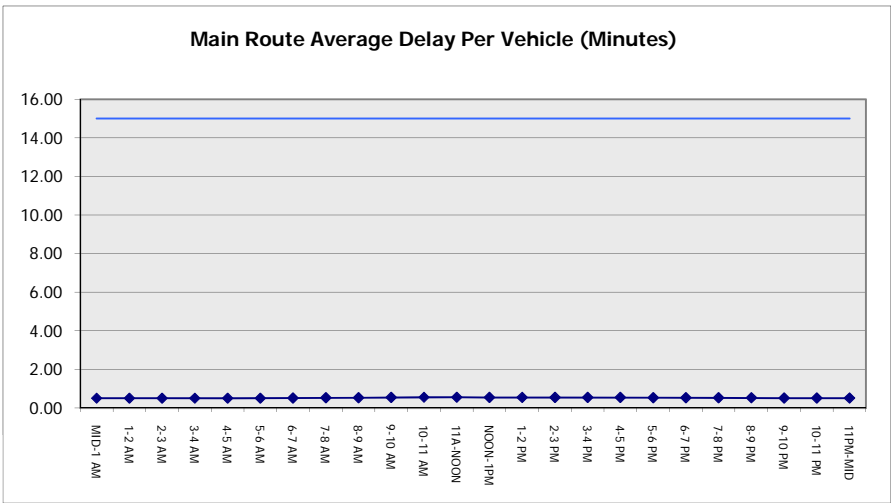
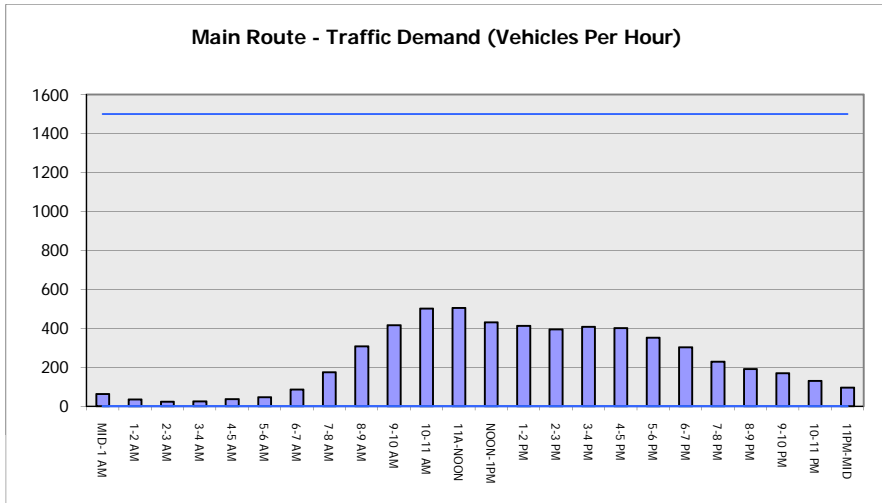
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$781
CONGESTED HOURS PER DAY*	0

*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

AUGUST
 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	AUGUST
	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	26	0.0	4	0.0	1500	26	0	4	0.50	0	63.8	60.8	41.9	24.8	24.8
3-4 AM	45	0.0	7	0.0	1500	45	0	7	0.50	0	63.8	60.7	41.9	24.8	24.8
4-5 AM	41	0.0	6	0.0	1500	41	0	6	0.50	0	63.8	60.7	41.9	24.8	24.8
5-6 AM	69	0.0	11	0.0	1500	69	0	11	0.51	0	63.8	60.7	41.7	24.8	24.8
6-7 AM	106	0.0	16	0.0	1500	106	0	16	0.51	0	63.7	60.6	41.6	24.7	24.7
7-8 AM	203	0.0	32	0.0	1500	203	0	32	0.52	0	63.5	60.4	41.3	24.6	24.6
8-9 AM	322	0.0	50	0.0	1500	322	0	50	0.53	0	63.3	60.1	40.9	24.5	24.5
9-10 AM	407	0.0	64	0.0	1500	407	0	64	0.54	0	63.2	59.9	40.6	24.3	24.3
10-11 AM	429	0.0	68	0.0	1500	429	0	68	0.54	0	63.1	59.9	40.6	24.3	24.3
11A-NOON	421	0.0	66	0.0	1500	421	0	66	0.54	0	63.1	59.9	40.6	24.3	24.3
NOON-1PM	378	0.0	60	0.0	1500	378	0	60	0.53	0	63.2	60.0	40.7	24.4	24.4
1-2 PM	380	0.0	60	0.0	1500	380	0	60	0.53	0	63.2	60.0	40.7	24.4	24.4
2-3 PM	359	0.0	57	0.0	1500	359	0	57	0.53	0	63.2	60.1	40.7	24.4	24.4
3-4 PM	391	0.0	62	0.0	1500	391	0	62	0.54	0	63.2	60.0	40.7	24.3	24.3
4-5 PM	358	0.0	57	0.0	1500	358	0	57	0.53	0	63.2	60.1	40.7	24.4	24.4
5-6 PM	283	0.0	44	0.0	1500	283	0	44	0.53	0	63.4	60.2	41.0	24.5	24.5
6-7 PM	250	0.0	39	0.0	1500	250	0	39	0.52	0	63.5	60.3	41.1	24.5	24.5
7-8 PM	215	0.0	34	0.0	1500	215	0	34	0.52	0	63.5	60.4	41.2	24.6	24.6
8-9 PM	204	0.0	32	0.0	1500	204	0	32	0.52	0	63.5	60.4	41.3	24.6	24.6
9-10 PM	179	0.0	28	0.0	1500	179	0	28	0.52	0	63.6	60.4	41.4	24.7	24.7
10-11 PM	132	0.0	21	0.0	1500	132	0	21	0.51	0	63.7	60.5	41.5	24.7	24.7
11PM-MID	97	0.0	15	0.0	1500	97	0	15	0.51	0	63.7	60.6	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	0.0094
MAIN ROUTE WITH WORKS	0.0100
DIVERSION	0.0168

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$729
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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

