

**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

MON-THUR 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	36	0.0	6	0.0	1500	36	0	6	0.50	0	63.8	60.8	41.9	24.8	24.8
1-2 AM	23	0.0	4	0.0	1500	23	0	4	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	36	0.0	6	0.0	1500	36	0	6	0.50	0	63.8	60.8	41.9	24.8	24.8
4-5 AM	51	0.0	8	0.0	1500	51	0	8	0.50	0	63.8	60.7	41.8	24.8	24.8
5-6 AM	109	0.0	18	0.0	1500	109	0	18	0.51	0	63.7	60.6	41.6	24.7	24.7
6-7 AM	173	0.0	28	0.0	1500	173	0	28	0.52	0	63.6	60.5	41.4	24.7	24.7
7-8 AM	278	0.0	43	0.0	1500	278	0	43	0.53	0	63.4	60.2	41.0	24.5	24.5
8-9 AM	283	0.0	44	0.0	1500	283	0	44	0.53	0	63.4	60.2	41.0	24.5	24.5
9-10 AM	284	0.0	44	0.0	1500	284	0	44	0.53	0	63.3	60.2	41.0	24.5	24.5
10-11 AM	288	0.0	45	0.0	1500	288	0	45	0.53	0	63.3	60.2	41.0	24.5	24.5
11A-NOON	285	0.0	45	0.0	1500	285	0	45	0.53	0	63.3	60.2	41.0	24.5	24.5
NOON-1PM	275	0.0	43	0.0	1500	275	0	43	0.52	0	63.4	60.2	41.0	24.5	24.5
1-2 PM	294	0.0	46	0.0	1500	294	0	46	0.53	0	63.3	60.2	41.0	24.5	24.5
2-3 PM	319	0.0	50	0.0	1500	319	0	50	0.53	0	63.3	60.1	40.9	24.5	24.5
3-4 PM	429	0.0	68	0.0	1500	429	0	68	0.54	0	63.1	59.9	40.6	24.3	24.3
4-5 PM	410	0.0	65	0.0	1500	410	0	65	0.54	0	63.2	59.9	40.6	24.3	24.3
5-6 PM	382	0.0	61	0.0	1500	382	0	61	0.54	0	63.2	60.0	40.7	24.3	24.3
6-7 PM	274	0.0	43	0.0	1500	274	0	43	0.52	0	63.4	60.2	41.0	24.5	24.5
7-8 PM	173	0.0	28	0.0	1500	173	0	28	0.52	0	63.6	60.5	41.4	24.7	24.7
8-9 PM	138	0.0	22	0.0	1500	138	0	22	0.51	0	63.7	60.5	41.5	24.7	24.7
9-10 PM	107	0.0	16	0.0	1500	107	0	16	0.51	0	63.7	60.6	41.6	24.7	24.7
10-11 PM	80	0.0	12	0.0	1500	80	0	12	0.51	0	63.8	60.7	41.7	24.7	24.7
11PM-MID	94	0.0	14	0.0	1500	94	0	14	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	0.0085
MAIN ROUTE WITH WORKS	0.0090
DIVERSION	0.0151

PIA: Personal Injury Accidents

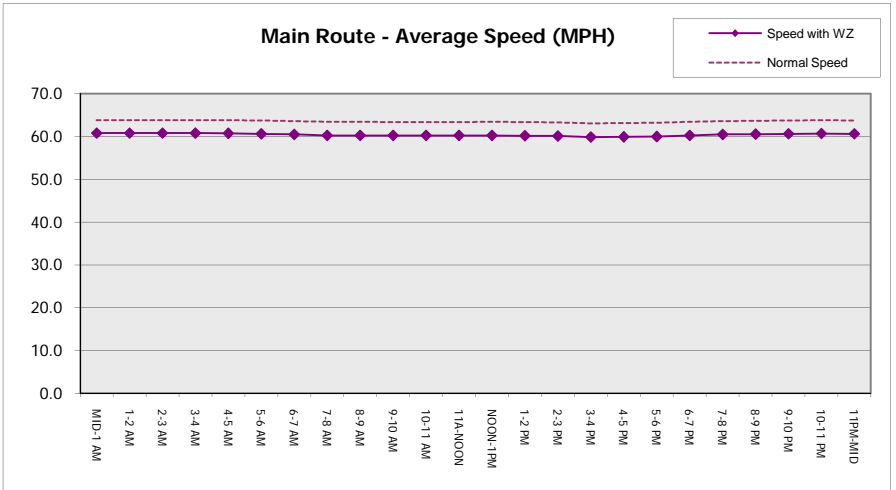
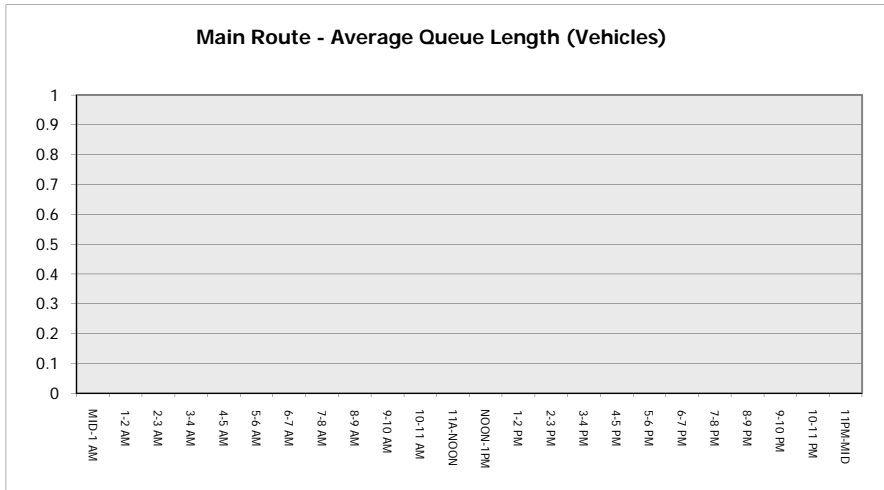
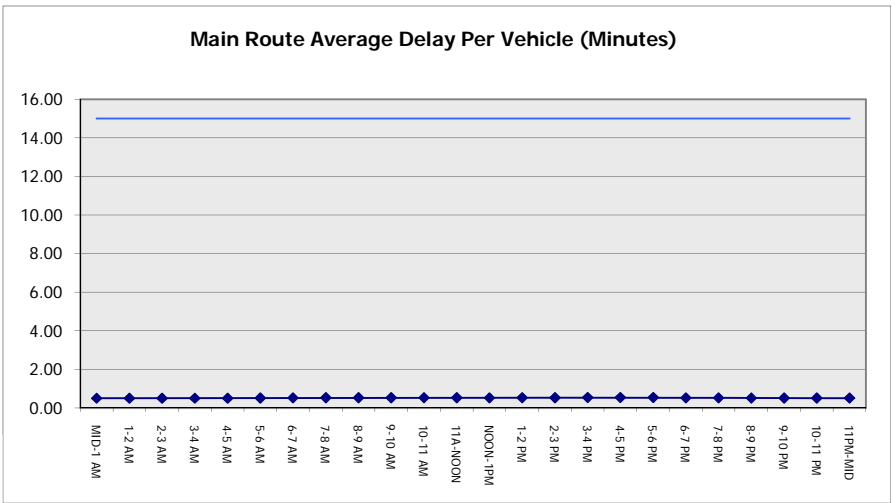
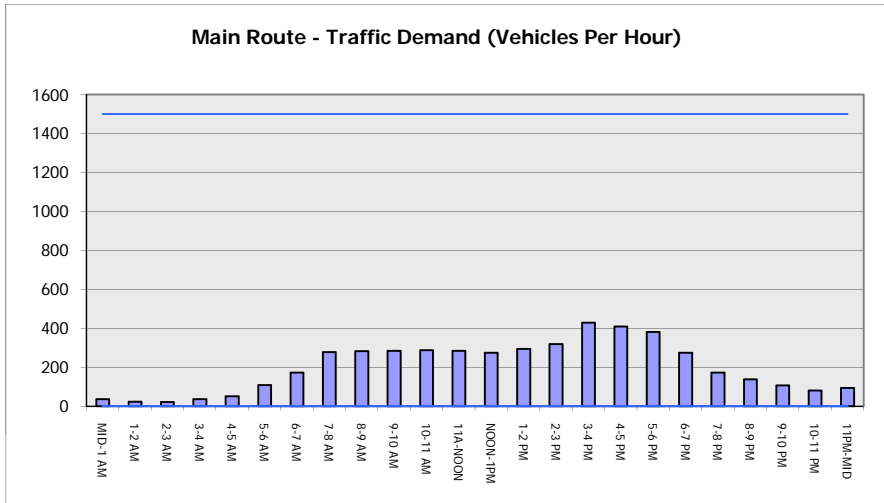
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$514
CONGESTED HOURS PER DAY*	0

*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
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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

MON-THUR 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	45	0.0	7	0.0	1500	45	0	7	0.50	0	63.8	60.7	41.9	24.8	24.8
1-2 AM	36	0.0	5	0.0	1500	36	0	5	0.50	0	63.8	60.8	41.9	24.8	24.8
2-3 AM	39	0.0	6	0.0	1500	39	0	6	0.50	0	63.8	60.7	41.9	24.8	24.8
3-4 AM	58	0.0	9	0.0	1500	58	0	9	0.50	0	63.8	60.7	41.8	24.8	24.8
4-5 AM	79	0.0	12	0.0	1500	79	0	12	0.51	0	63.8	60.7	41.7	24.7	24.7
5-6 AM	159	0.0	25	0.0	1500	159	0	25	0.51	0	63.6	60.5	41.4	24.7	24.7
6-7 AM	282	0.0	44	0.0	1500	282	0	44	0.53	0	63.4	60.2	41.0	24.5	24.5
7-8 AM	338	0.0	54	0.0	1500	338	0	54	0.53	0	63.3	60.1	40.9	24.4	24.4
8-9 AM	257	0.0	40	0.0	1500	257	0	40	0.52	0	63.4	60.3	41.1	24.5	24.5
9-10 AM	234	0.0	37	0.0	1500	234	0	37	0.52	0	63.5	60.3	41.2	24.5	24.5
10-11 AM	251	0.0	39	0.0	1500	251	0	39	0.52	0	63.4	60.3	41.1	24.5	24.5
11A-NOON	248	0.0	39	0.0	1500	248	0	39	0.52	0	63.5	60.3	41.1	24.5	24.5
NOON-1PM	265	0.0	41	0.0	1500	265	0	41	0.52	0	63.4	60.2	41.0	24.5	24.5
1-2 PM	292	0.0	46	0.0	1500	292	0	46	0.53	0	63.3	60.2	41.0	24.5	24.5
2-3 PM	348	0.0	55	0.0	1500	348	0	55	0.53	0	63.3	60.1	40.8	24.4	24.4
3-4 PM	358	0.0	57	0.0	1500	358	0	57	0.53	0	63.2	60.1	40.7	24.4	24.4
4-5 PM	366	0.0	58	0.0	1500	366	0	58	0.53	0	63.2	60.1	40.7	24.4	24.4
5-6 PM	319	0.0	50	0.0	1500	319	0	50	0.53	0	63.3	60.1	40.9	24.5	24.5
6-7 PM	240	0.0	38	0.0	1500	240	0	38	0.52	0	63.5	60.3	41.2	24.5	24.5
7-8 PM	190	0.0	30	0.0	1500	190	0	30	0.52	0	63.5	60.4	41.4	24.6	24.6
8-9 PM	170	0.0	27	0.0	1500	170	0	27	0.51	0	63.6	60.5	41.4	24.7	24.7
9-10 PM	143	0.0	23	0.0	1500	143	0	23	0.51	0	63.7	60.5	41.5	24.7	24.7
10-11 PM	106	0.0	16	0.0	1500	106	0	16	0.51	0	63.7	60.6	41.6	24.7	24.7
11PM-MID	62	0.0	10	0.0	1500	62	0	10	0.50	0	63.8	60.7	41.8	24.8	24.8

----- 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	0.0085
MAIN ROUTE WITH WORKS	0.0091
DIVERSION	0.0152

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$514
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 126 - CTH G - CTH O

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MON-THUR NORTHBOUND DIRECTION

