

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

**MAY**  
Analyzed for 2009  
Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**  
**FRIDAY 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	41	0.0	6	0.0	1500	41	0	6	0.50	0	63.8	60.7	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	23	0.0	4	0.0	1500	23	0	4	0.50	0	63.8	60.8	41.9	24.8	24.8
3-4 AM	75	0.0	12	0.0	1500	75	0	12	0.51	0	63.8	60.7	41.7	24.7	24.7
4-5 AM	49	0.0	7	0.0	1500	49	0	7	0.50	0	63.8	60.7	41.9	24.8	24.8
5-6 AM	100	0.0	15	0.0	1500	100	0	15	0.51	0	63.7	60.6	41.7	24.7	24.7
6-7 AM	172	0.0	27	0.0	1500	172	0	27	0.52	0	63.6	60.5	41.4	24.7	24.7
7-8 AM	224	0.0	35	0.0	1500	224	0	35	0.52	0	63.5	60.4	41.2	24.6	24.6
8-9 AM	264	0.0	41	0.0	1500	264	0	41	0.52	0	63.4	60.2	41.1	24.5	24.5
9-10 AM	296	0.0	46	0.0	1500	296	0	46	0.53	0	63.3	60.2	41.0	24.5	24.5
10-11 AM	323	0.0	50	0.0	1500	323	0	50	0.53	0	63.3	60.1	40.9	24.5	24.5
11A-NOON	331	0.0	53	0.0	1500	331	0	53	0.53	0	63.3	60.1	40.9	24.5	24.5
NOON-1PM	376	0.0	60	0.0	1500	376	0	60	0.53	0	63.2	60.0	40.7	24.4	24.4
1-2 PM	419	0.0	66	0.0	1500	419	0	66	0.54	0	63.1	59.9	40.6	24.3	24.3
2-3 PM	443	0.0	70	0.0	1500	443	0	70	0.54	0	63.1	59.9	40.5	24.3	24.3
3-4 PM	499	0.0	78	0.0	1500	499	0	78	0.55	0	63.0	59.7	40.3	24.2	24.2
4-5 PM	537	0.0	84	0.0	1500	537	0	84	0.55	0	62.9	59.7	40.2	24.2	24.2
5-6 PM	555	0.0	88	0.0	1500	555	0	88	0.55	0	62.8	59.6	40.1	24.2	24.2
6-7 PM	473	0.0	74	0.0	1500	473	0	74	0.54	0	63.0	59.8	40.4	24.3	24.3
7-8 PM	314	0.0	49	0.0	1500	314	0	49	0.53	0	63.3	60.2	40.9	24.5	24.5
8-9 PM	222	0.0	35	0.0	1500	222	0	35	0.52	0	63.5	60.4	41.2	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	120	0.0	19	0.0	1500	120	0	19	0.51	0	63.7	60.6	41.6	24.7	24.7
11PM-MID	86	0.0	13	0.0	1500	86	0	13	0.51	0	63.7	60.7	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	0.0107
MAIN ROUTE WITH WORKS	0.0114
DIVERSION	0.0190

PIA: Personal Injury Accidents

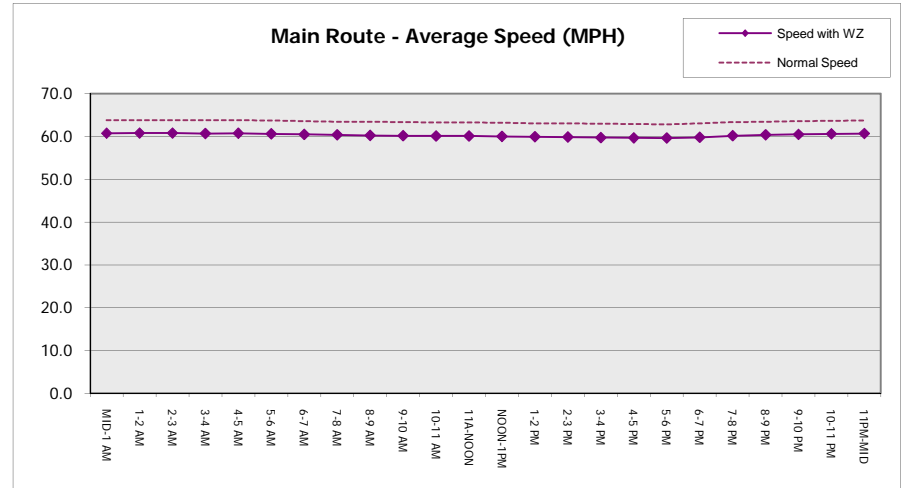
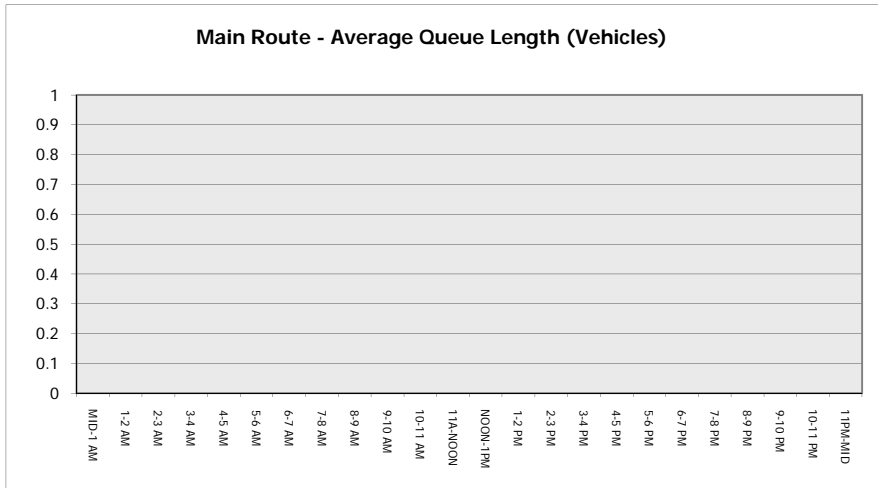
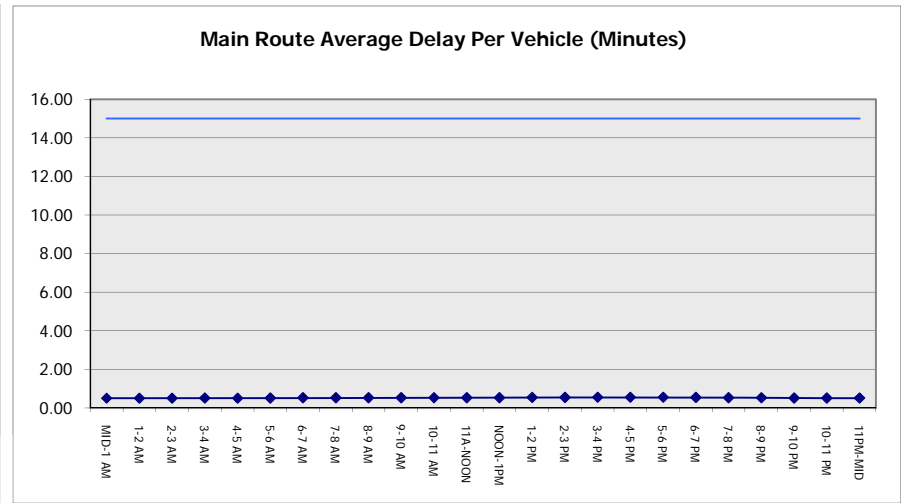
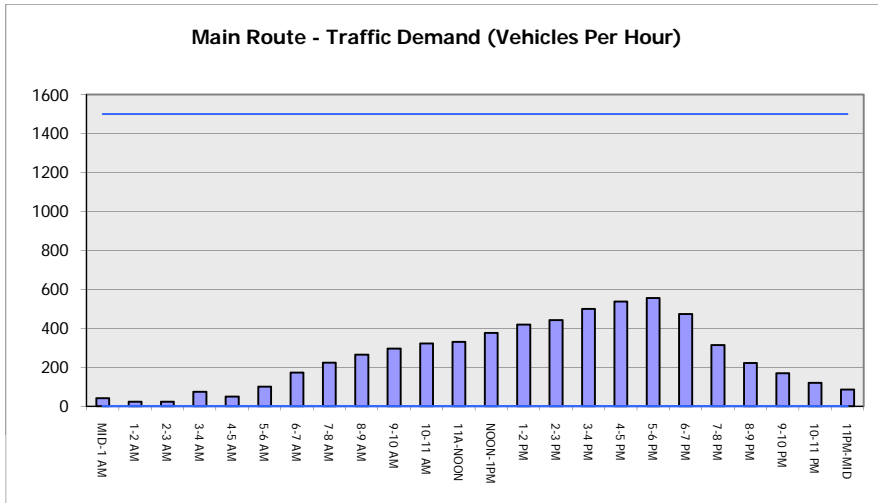
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$681
CONGESTED HOURS PER DAY*	0

\*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**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY SOUTHBOUND DIRECTION**



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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY                      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	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	39	0.0	6	0.0	1500	39	0	6	0.50	0	63.8	60.7	41.9	24.8	24.8
2-3 AM	47	0.0	7	0.0	1500	47	0	7	0.50	0	63.8	60.7	41.9	24.8	24.8
3-4 AM	57	0.0	9	0.0	1500	57	0	9	0.50	0	63.8	60.7	41.8	24.8	24.8
4-5 AM	94	0.0	15	0.0	1500	94	0	15	0.51	0	63.7	60.6	41.7	24.7	24.7
5-6 AM	149	0.0	24	0.0	1500	149	0	24	0.51	0	63.7	60.5	41.5	24.7	24.7
6-7 AM	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 AM	337	0.0	54	0.0	1500	337	0	54	0.53	0	63.3	60.1	40.9	24.4	24.4
8-9 AM	269	0.0	42	0.0	1500	269	0	42	0.52	0	63.4	60.2	41.0	24.5	24.5
9-10 AM	286	0.0	45	0.0	1500	286	0	45	0.53	0	63.3	60.2	41.0	24.5	24.5
10-11 AM	314	0.0	49	0.0	1500	314	0	49	0.53	0	63.3	60.2	40.9	24.5	24.5
11A-NOON	342	0.0	54	0.0	1500	342	0	54	0.53	0	63.3	60.1	40.8	24.4	24.4
NOON-1PM	390	0.0	62	0.0	1500	390	0	62	0.54	0	63.2	60.0	40.7	24.3	24.3
1-2 PM	434	0.0	69	0.0	1500	434	0	69	0.54	0	63.1	59.9	40.5	24.3	24.3
2-3 PM	478	0.0	75	0.0	1500	478	0	75	0.54	0	63.0	59.8	40.4	24.3	24.3
3-4 PM	499	0.0	78	0.0	1500	499	0	78	0.55	0	63.0	59.7	40.3	24.2	24.2
4-5 PM	506	0.0	79	0.0	1500	506	0	79	0.55	0	63.0	59.7	40.3	24.2	24.2
5-6 PM	435	0.0	69	0.0	1500	435	0	69	0.54	0	63.1	59.9	40.5	24.3	24.3
6-7 PM	361	0.0	57	0.0	1500	361	0	57	0.53	0	63.2	60.1	40.7	24.4	24.4
7-8 PM	266	0.0	42	0.0	1500	266	0	42	0.52	0	63.4	60.2	41.0	24.5	24.5
8-9 PM	230	0.0	36	0.0	1500	230	0	36	0.52	0	63.5	60.4	41.2	24.6	24.6
9-10 PM	191	0.0	30	0.0	1500	191	0	30	0.52	0	63.5	60.4	41.4	24.6	24.6
10-11 PM	125	0.0	20	0.0	1500	125	0	20	0.51	0	63.7	60.5	41.5	24.7	24.7
11PM-MID	93	0.0	14	0.0	1500	93	0	14	0.51	0	63.7	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	0.0109
MAIN ROUTE WITH WORKS	0.0116
DIVERSION	0.0195

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$692
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**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY NORTHBOUND DIRECTION**

