

**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

SUNDAY 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	71	0.0	11	0.0	1500	71	0	11	0.51	0	63.8	60.7	41.7	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	18	0.0	3	0.0	1500	18	0	3	0.50	0	63.8	60.8	41.9	24.8	24.8
3-4 AM	12	0.0	2	0.0	1500	12	0	2	0.50	0	63.9	60.8	42.0	24.8	24.8
4-5 AM	9	0.0	1	0.0	1500	9	0	1	0.50	0	63.9	60.9	42.0	24.8	24.8
5-6 AM	18	0.0	3	0.0	1500	18	0	3	0.50	0	63.8	60.8	41.9	24.8	24.8
6-7 AM	39	0.0	6	0.0	1500	39	0	6	0.50	0	63.8	60.7	41.9	24.8	24.8
7-8 AM	68	0.0	10	0.0	1500	68	0	10	0.51	0	63.8	60.7	41.7	24.8	24.8
8-9 AM	151	0.0	24	0.0	1500	151	0	24	0.51	0	63.6	60.5	41.5	24.7	24.7
9-10 AM	266	0.0	42	0.0	1500	266	0	42	0.52	0	63.4	60.2	41.0	24.5	24.5
10-11 AM	339	0.0	54	0.0	1500	339	0	54	0.53	0	63.3	60.1	40.8	24.4	24.4
11A-NOON	447	0.0	70	0.0	1500	447	0	70	0.54	0	63.1	59.9	40.5	24.3	24.3
NOON-1PM	422	0.0	67	0.0	1500	422	0	67	0.54	0	63.1	59.9	40.6	24.3	24.3
1-2 PM	465	0.0	73	0.0	1500	465	0	73	0.54	0	63.0	59.8	40.4	24.3	24.3
2-3 PM	466	0.0	73	0.0	1500	466	0	73	0.54	0	63.0	59.8	40.4	24.3	24.3
3-4 PM	504	0.0	79	0.0	1500	504	0	79	0.55	0	63.0	59.7	40.3	24.2	24.2
4-5 PM	531	0.0	83	0.0	1500	531	0	83	0.55	0	62.9	59.7	40.2	24.2	24.2
5-6 PM	484	0.0	76	0.0	1500	484	0	76	0.54	0	63.0	59.8	40.4	24.3	24.3
6-7 PM	391	0.0	62	0.0	1500	391	0	62	0.54	0	63.2	60.0	40.7	24.3	24.3
7-8 PM	335	0.0	53	0.0	1500	335	0	53	0.53	0	63.3	60.1	40.9	24.5	24.5
8-9 PM	244	0.0	38	0.0	1500	244	0	38	0.52	0	63.5	60.3	41.2	24.5	24.5
9-10 PM	183	0.0	29	0.0	1500	183	0	29	0.52	0	63.6	60.4	41.4	24.6	24.6
10-11 PM	101	0.0	15	0.0	1500	101	0	15	0.51	0	63.7	60.6	41.7	24.7	24.7
11PM-MID	54	0.0	8	0.0	1500	54	0	8	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	0.0099
MAIN ROUTE WITH WORKS	0.0105
DIVERSION	0.0175

PIA: Personal Injury Accidents

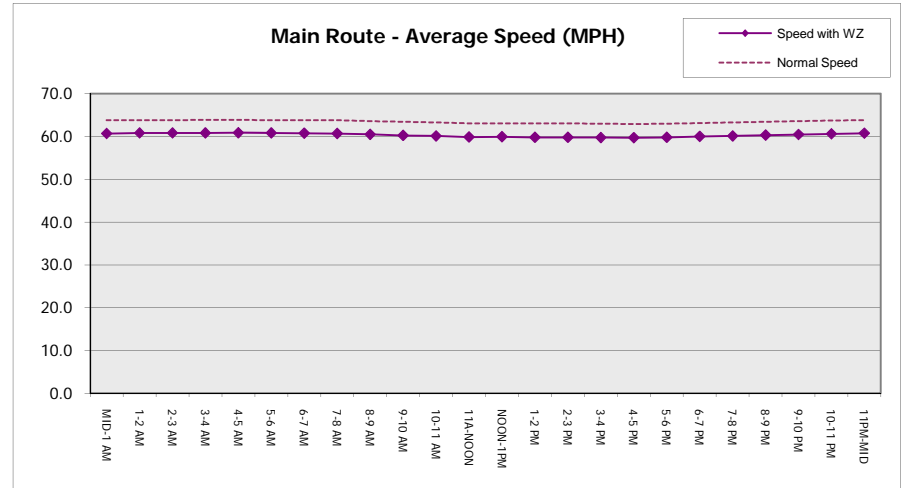
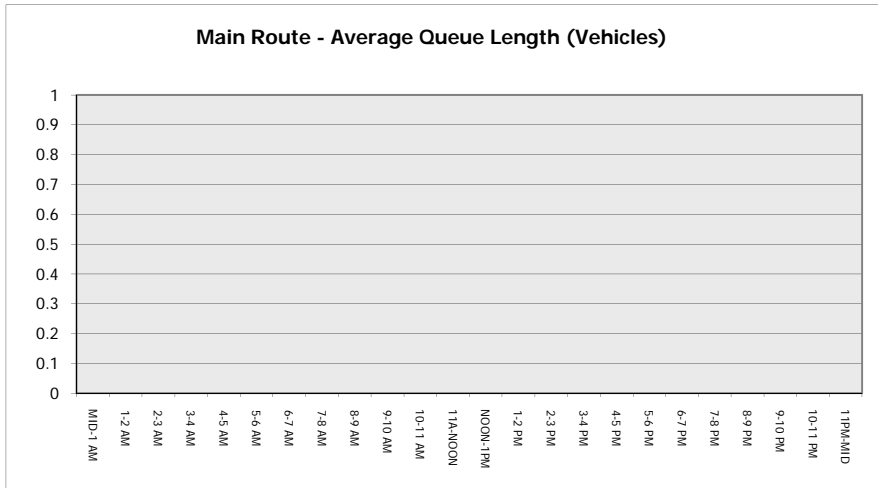
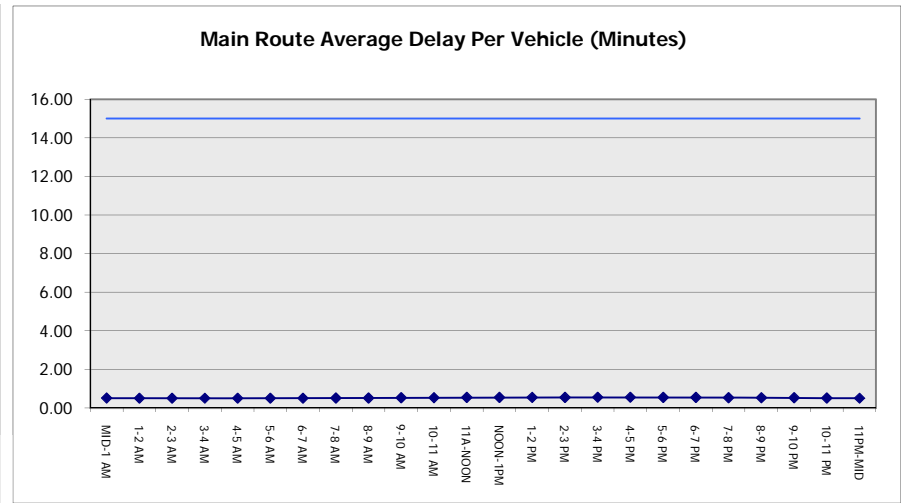
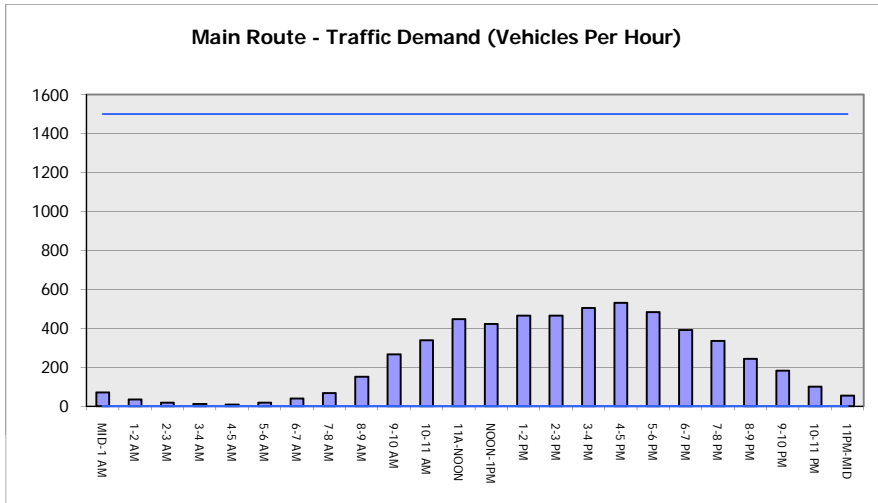
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$787
CONGESTED HOURS PER DAY*	0

*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
SUNDAY 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
SUNDAY 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	50	0.0	8	0.0	1500	50	0	8	0.50	0	63.8	60.7	41.8	24.8	24.8
1-2 AM	32	0.0	5	0.0	1500	32	0	5	0.50	0	63.8	60.8	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	20	0.0	3	0.0	1500	20	0	3	0.50	0	63.8	60.8	41.9	24.8	24.8
4-5 AM	21	0.0	3	0.0	1500	21	0	3	0.50	0	63.8	60.8	41.9	24.8	24.8
5-6 AM	39	0.0	6	0.0	1500	39	0	6	0.50	0	63.8	60.7	41.9	24.8	24.8
6-7 AM	53	0.0	8	0.0	1500	53	0	8	0.50	0	63.8	60.7	41.8	24.8	24.8
7-8 AM	98	0.0	15	0.0	1500	98	0	15	0.51	0	63.7	60.6	41.7	24.7	24.7
8-9 AM	165	0.0	26	0.0	1500	165	0	26	0.51	0	63.6	60.5	41.4	24.7	24.7
9-10 AM	236	0.0	37	0.0	1500	236	0	37	0.52	0	63.5	60.3	41.2	24.5	24.5
10-11 AM	353	0.0	56	0.0	1500	353	0	56	0.53	0	63.2	60.1	40.8	24.4	24.4
11A-NOON	396	0.0	62	0.0	1500	396	0	62	0.54	0	63.2	60.0	40.6	24.3	24.3
NOON-1PM	451	0.0	71	0.0	1500	451	0	71	0.54	0	63.0	59.9	40.4	24.3	24.3
1-2 PM	471	0.0	74	0.0	1500	471	0	74	0.54	0	63.0	59.8	40.4	24.3	24.3
2-3 PM	477	0.0	75	0.0	1500	477	0	75	0.54	0	63.0	59.8	40.4	24.3	24.3
3-4 PM	491	0.0	77	0.0	1500	491	0	77	0.55	0	63.0	59.7	40.3	24.2	24.2
4-5 PM	472	0.0	74	0.0	1500	472	0	74	0.54	0	63.0	59.8	40.4	24.3	24.3
5-6 PM	443	0.0	70	0.0	1500	443	0	70	0.54	0	63.1	59.9	40.5	24.3	24.3
6-7 PM	374	0.0	59	0.0	1500	374	0	59	0.53	0	63.2	60.0	40.7	24.4	24.4
7-8 PM	305	0.0	48	0.0	1500	305	0	48	0.53	0	63.3	60.2	40.9	24.5	24.5
8-9 PM	232	0.0	37	0.0	1500	232	0	37	0.52	0	63.5	60.4	41.2	24.5	24.5
9-10 PM	158	0.0	25	0.0	1500	158	0	25	0.51	0	63.6	60.5	41.4	24.7	24.7
10-11 PM	104	0.0	16	0.0	1500	104	0	16	0.51	0	63.7	60.6	41.6	24.7	24.7
11PM-MID	60	0.0	9	0.0	1500	60	0	9	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 (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	0.0097
MAIN ROUTE WITH WORKS	0.0103
DIVERSION	0.0172

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$766
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
SUNDAY NORTHBOUND DIRECTION

