

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

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	52	0.0	8	0.0	1500	52	0	8	0.50	0	63.8	60.7	41.8	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	28	0.0	4	0.0	1500	28	0	4	0.50	0	63.8	60.8	41.9	24.8	24.8
3-4 AM	34	0.0	5	0.0	1500	34	0	5	0.50	0	63.8	60.8	41.9	24.8	24.8
4-5 AM	56	0.0	9	0.0	1500	56	0	9	0.50	0	63.8	60.7	41.8	24.8	24.8
5-6 AM	93	0.0	14	0.0	1500	93	0	14	0.51	0	63.7	60.7	41.7	24.7	24.7
6-7 AM	171	0.0	27	0.0	1500	171	0	27	0.51	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	256	0.0	40	0.0	1500	256	0	40	0.52	0	63.4	60.3	41.1	24.5	24.5
9-10 AM	305	0.0	48	0.0	1500	305	0	48	0.53	0	63.3	60.2	40.9	24.5	24.5
10-11 AM	364	0.0	58	0.0	1500	364	0	58	0.53	0	63.2	60.1	40.7	24.4	24.4
11A-NOON	431	0.0	68	0.0	1500	431	0	68	0.54	0	63.1	59.9	40.5	24.3	24.3
NOON-1PM	418	0.0	66	0.0	1500	418	0	66	0.54	0	63.1	59.9	40.6	24.3	24.3
1-2 PM	485	0.0	76	0.0	1500	485	0	76	0.54	0	63.0	59.7	40.4	24.3	24.3
2-3 PM	509	0.0	80	0.0	1500	509	0	80	0.55	0	63.0	59.7	40.2	24.2	24.2
3-4 PM	586	0.0	93	0.0	1500	586	0	93	0.55	0	62.8	59.6	40.0	24.2	24.2
4-5 PM	574	0.0	91	0.0	1500	574	0	91	0.55	0	62.8	59.6	40.1	24.2	24.2
5-6 PM	537	0.0	84	0.0	1500	537	0	84	0.55	0	62.9	59.7	40.2	24.2	24.2
6-7 PM	462	0.0	73	0.0	1500	462	0	73	0.54	0	63.0	59.8	40.4	24.3	24.3
7-8 PM	367	0.0	58	0.0	1500	367	0	58	0.53	0	63.2	60.1	40.7	24.4	24.4
8-9 PM	287	0.0	45	0.0	1500	287	0	45	0.53	0	63.3	60.2	41.0	24.5	24.5
9-10 PM	192	0.0	30	0.0	1500	192	0	30	0.52	0	63.5	60.4	41.4	24.6	24.6
10-11 PM	134	0.0	21	0.0	1500	134	0	21	0.51	0	63.7	60.5	41.5	24.7	24.7
11PM-MID	153	0.0	24	0.0	1500	153	0	24	0.51	0	63.6	60.5	41.5	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	0.0118
MAIN ROUTE WITH WORKS	0.0125
DIVERSION	0.0210

PIA: Personal Injury Accidents

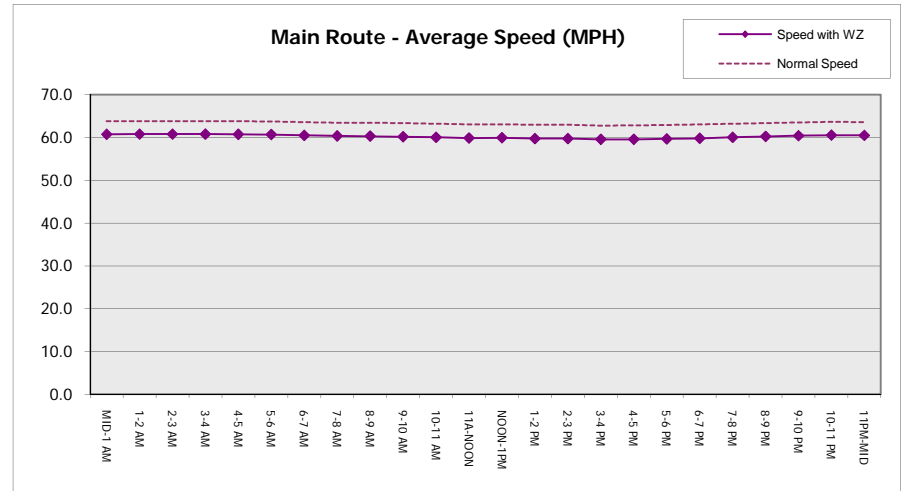
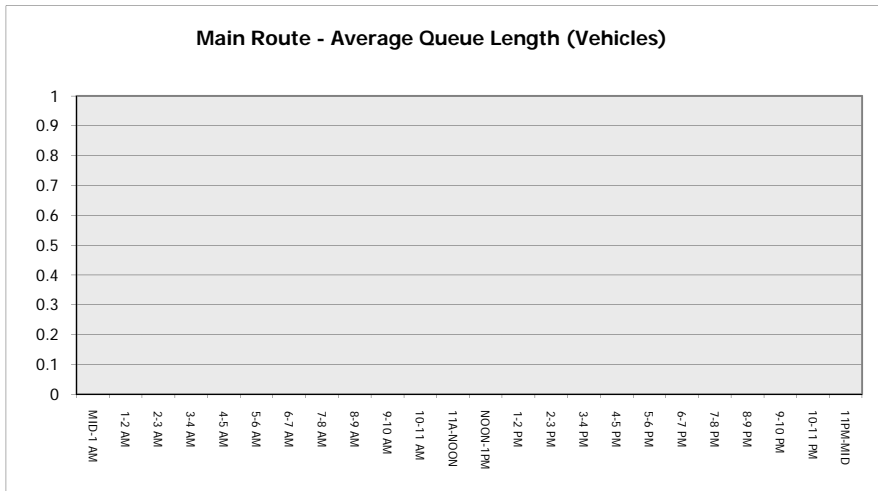
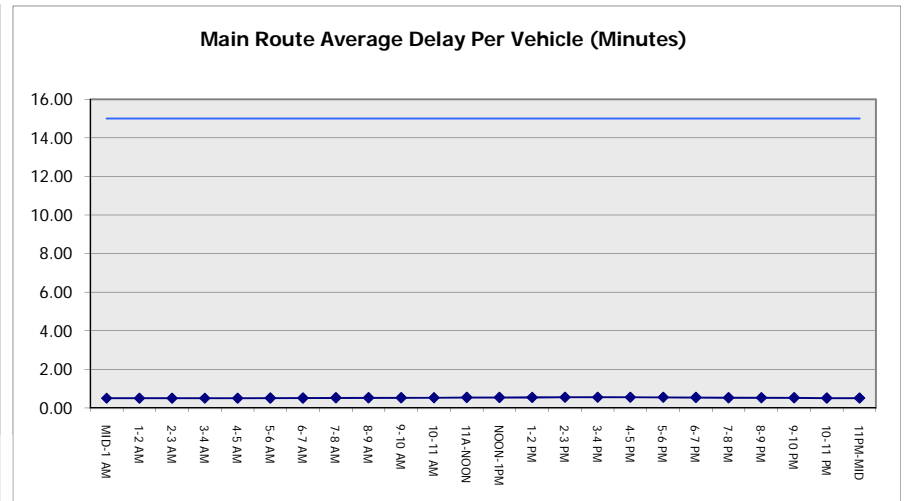
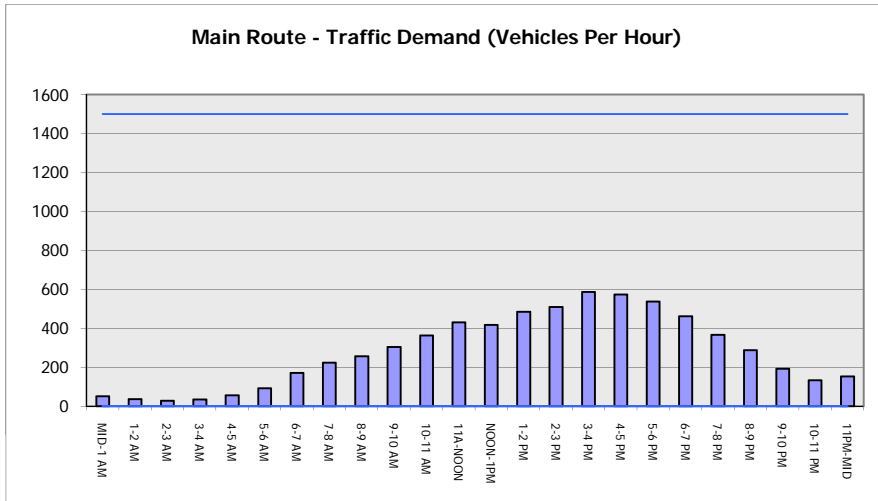
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$757
CONGESTED HOURS PER DAY*	0

*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
FRIDAY 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
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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	62	0.0	9	0.0	1500	62	0	9	0.50	0	63.8	60.7	41.8	24.8	24.8
1-2 AM	44	0.0	7	0.0	1500	44	0	7	0.50	0	63.8	60.7	41.9	24.8	24.8
2-3 AM	41	0.0	6	0.0	1500	41	0	6	0.50	0	63.8	60.7	41.9	24.8	24.8
3-4 AM	72	0.0	11	0.0	1500	72	0	11	0.51	0	63.8	60.7	41.7	24.8	24.8
4-5 AM	91	0.0	14	0.0	1500	91	0	14	0.51	0	63.7	60.7	41.7	24.7	24.7
5-6 AM	152	0.0	24	0.0	1500	152	0	24	0.51	0	63.6	60.5	41.5	24.7	24.7
6-7 AM	287	0.0	45	0.0	1500	287	0	45	0.53	0	63.3	60.2	41.0	24.5	24.5
7-8 AM	308	0.0	48	0.0	1500	308	0	48	0.53	0	63.3	60.2	40.9	24.5	24.5
8-9 AM	296	0.0	46	0.0	1500	296	0	46	0.53	0	63.3	60.2	41.0	24.5	24.5
9-10 AM	327	0.0	52	0.0	1500	327	0	52	0.53	0	63.3	60.1	40.9	24.5	24.5
10-11 AM	399	0.0	63	0.0	1500	399	0	63	0.54	0	63.2	60.0	40.6	24.3	24.3
11A-NOON	419	0.0	66	0.0	1500	419	0	66	0.54	0	63.1	59.9	40.6	24.3	24.3
NOON-1PM	432	0.0	68	0.0	1500	432	0	68	0.54	0	63.1	59.9	40.5	24.3	24.3
1-2 PM	446	0.0	70	0.0	1500	446	0	70	0.54	0	63.1	59.9	40.5	24.3	24.3
2-3 PM	545	0.0	85	0.0	1500	545	0	85	0.55	0	62.9	59.6	40.1	24.2	24.2
3-4 PM	507	0.0	80	0.0	1500	507	0	80	0.55	0	63.0	59.7	40.2	24.2	24.2
4-5 PM	478	0.0	75	0.0	1500	478	0	75	0.54	0	63.0	59.8	40.4	24.3	24.3
5-6 PM	482	0.0	76	0.0	1500	482	0	76	0.54	0	63.0	59.8	40.4	24.3	24.3
6-7 PM	408	0.0	64	0.0	1500	408	0	64	0.54	0	63.2	59.9	40.6	24.3	24.3
7-8 PM	324	0.0	52	0.0	1500	324	0	52	0.53	0	63.3	60.1	40.9	24.5	24.5
8-9 PM	282	0.0	44	0.0	1500	282	0	44	0.53	0	63.4	60.2	41.0	24.5	24.5
9-10 PM	218	0.0	34	0.0	1500	218	0	34	0.52	0	63.5	60.4	41.2	24.6	24.6
10-11 PM	141	0.0	23	0.0	1500	141	0	23	0.51	0	63.7	60.5	41.5	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	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	0.0120
MAIN ROUTE WITH WORKS	0.0127
DIVERSION	0.0213

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$767
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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FRIDAY NORTHBOUND DIRECTION

