

**USH 41: USH 151 TO STH 67 (DODGE AND FOND DU LAC COUNTIES)  
CONTINUOUS (24 HOUR) CLOSURE  
DIVERSION ROUTE: CTH KK - STH 175 - CTH B**

**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	247	0.0	38	0.0	1500	247	0	38	0.45	0	66.0	60.1	44.5	29.4	29.4
1-2 AM	146	0.0	23	0.0	1500	146	0	23	0.44	0	66.1	60.4	44.9	29.6	29.6
2-3 AM	109	0.0	16	0.0	1500	109	0	16	0.43	0	66.2	60.5	45.0	29.7	29.7
3-4 AM	76	0.0	12	0.0	1500	76	0	12	0.43	0	66.3	60.6	45.2	29.7	29.7
4-5 AM	78	0.0	12	0.0	1500	78	0	12	0.43	0	66.3	60.6	45.2	29.7	29.7
5-6 AM	86	0.0	13	0.0	1500	86	0	13	0.43	0	66.2	60.5	45.1	29.7	29.7
6-7 AM	114	0.0	17	0.0	1500	114	0	17	0.43	0	66.2	60.5	45.0	29.6	29.6
7-8 AM	269	0.0	41	0.0	1500	269	0	41	0.45	0	65.9	60.1	44.4	29.4	29.4
8-9 AM	289	0.0	44	0.0	1500	289	0	44	0.45	0	65.8	60.1	44.3	29.4	29.4
9-10 AM	462	0.0	70	0.0	1500	462	0	70	0.47	0	65.5	59.6	43.7	29.1	29.1
10-11 AM	793	0.0	121	0.0	1500	793	0	121	0.50	0	64.9	58.7	42.4	28.6	28.6
11A-NOON	1181	0.0	181	0.0	1499	1181	0	181	0.63	0	64.2	56.8	38.8	28.1	28.1
NOON-1PM	1519	0.0	232	0.0	1499	1519	0	232	1.35	10	63.5	49.6	31.2	27.6	27.6
1-2 PM	1702	0.0	261	0.0	1500	1702	0	261	5.55	132	63.2	29.4	30.8	27.3	27.3
2-3 PM	1876	0.0	286	0.0	1499	1532	345	631	10.75	263	62.9	19.6	30.8	27.1	23.8
3-4 PM	1994	0.0	305	0.0	1499	1524	469	774	11.68	289	62.7	18.4	30.8	26.9	22.5
4-5 PM	2140	0.0	328	0.0	1500	1534	606	934	12.86	321	62.4	17.2	30.8	26.7	20.9
5-6 PM	2204	0.0	337	0.0	1500	1506	697	1035	13.70	344	62.3	16.5	30.8	26.6	20.0
6-7 PM	1968	0.0	301	0.0	1499	1437	531	832	12.10	301	62.7	18.0	30.8	27.0	21.9
7-8 PM	1779	0.0	272	0.0	1500	1459	319	592	10.52	257	63.1	19.9	30.8	27.2	24.2
8-9 PM	1349	0.0	206	0.0	1499	1328	22	228	7.03	170	63.9	25.9	31.8	27.8	27.6
9-10 PM	845	0.0	130	0.0	1500	845	0	130	0.62	3	64.8	57.3	42.2	28.6	28.6
10-11 PM	505	0.0	77	0.0	1500	505	0	77	0.47	0	65.5	59.4	43.5	29.1	29.1
11PM-MID	286	0.0	43	0.0	1500	286	0	43	0.45	0	65.8	60.1	44.3	29.4	29.4

*----- 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	0.0179
MAIN ROUTE WITH WORKS	0.0142
DIVERSION	0.0463

PIA: Personal Injury Accidents

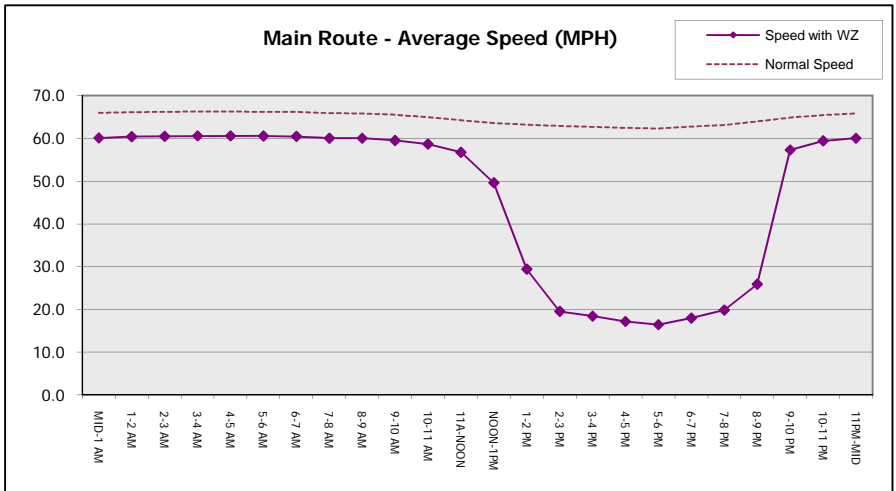
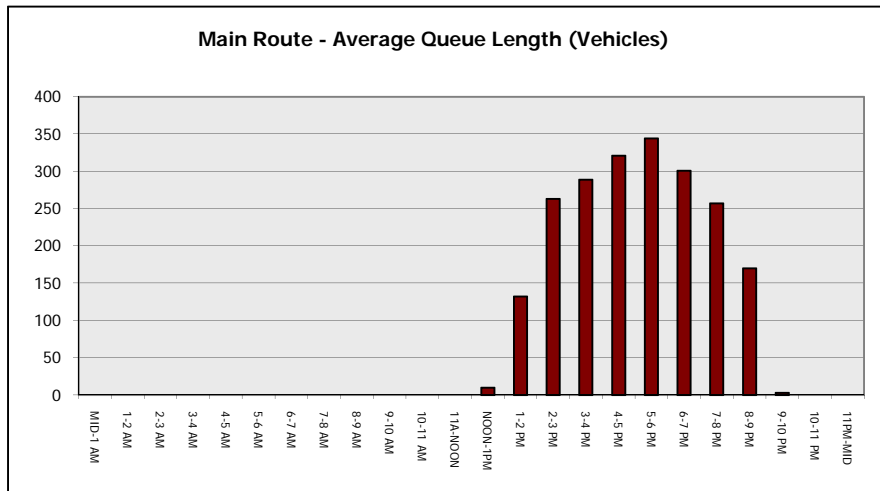
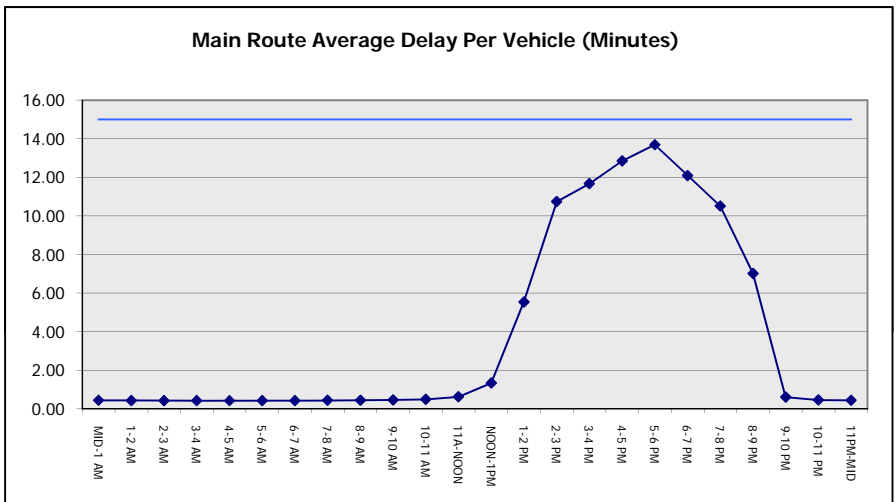
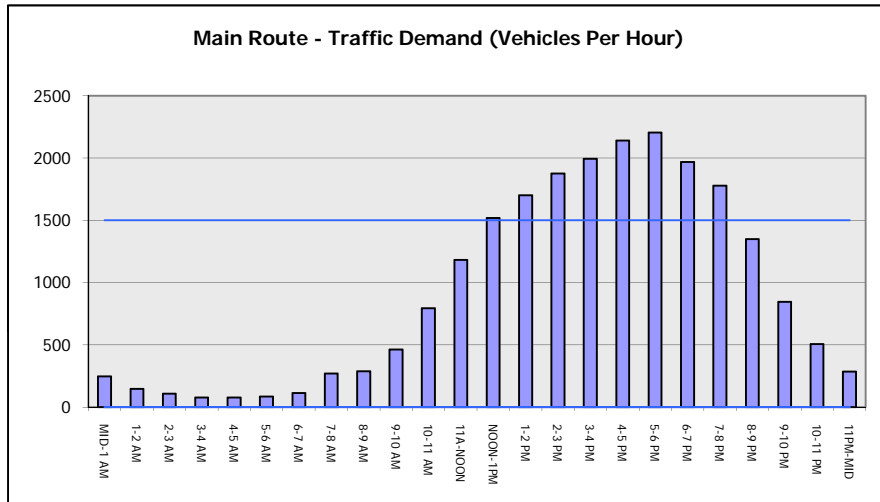
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$49,170
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: CTH KK - STH 175 - CTH B**

**OCTOBER**  
 Analyzed for 2009  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY SOUTHBOUND DIRECTION**



<b>USH 41: USH 151 TO STH 67 (DODGE AND FOND DU LAC COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: CTH KK - STH 175 - CTH B</b>	<b>OCTOBER</b>
	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	278	0.0	42	0.0	1500	278	0	42	0.45	0	65.9	60.1	44.4	29.4	29.4
1-2 AM	179	0.0	27	0.0	1500	179	0	27	0.44	0	66.1	60.3	44.8	29.6	29.6
2-3 AM	118	0.0	18	0.0	1500	118	0	18	0.43	0	66.1	60.5	45.0	29.6	29.6
3-4 AM	71	0.0	11	0.0	1500	71	0	11	0.43	0	66.3	60.6	45.2	29.7	29.7
4-5 AM	64	0.0	10	0.0	1500	64	0	10	0.43	0	66.3	60.6	45.2	29.7	29.7
5-6 AM	67	0.0	10	0.0	1500	67	0	10	0.43	0	66.3	60.6	45.2	29.7	29.7
6-7 AM	100	0.0	15	0.0	1500	100	0	15	0.43	0	66.2	60.5	45.1	29.7	29.7
7-8 AM	191	0.0	29	0.0	1500	191	0	29	0.44	0	66.0	60.3	44.7	29.6	29.6
8-9 AM	393	0.0	61	0.0	1500	393	0	61	0.46	0	65.6	59.7	43.9	29.2	29.2
9-10 AM	627	0.0	96	0.0	1500	627	0	96	0.48	0	65.2	59.1	43.0	28.9	28.9
10-11 AM	847	0.0	130	0.0	1500	847	0	130	0.50	0	64.8	58.6	42.2	28.6	28.6
11A-NOON	944	0.0	145	0.0	1500	944	0	145	0.51	0	64.6	58.3	41.9	28.4	28.4
NOON-1PM	1082	0.0	165	0.0	1500	1082	0	165	0.53	0	64.4	57.9	41.4	28.3	28.3
1-2 PM	1132	0.0	173	0.0	1500	1132	0	173	0.55	0	64.3	57.6	40.7	28.2	28.2
2-3 PM	1130	0.0	173	0.0	1500	1130	0	173	0.55	0	64.3	57.6	40.8	28.2	28.2
3-4 PM	1151	0.0	176	0.0	1500	1151	0	176	0.57	0	64.2	57.3	40.1	28.1	28.1
4-5 PM	1182	0.0	181	0.0	1500	1182	0	181	0.61	0	64.2	56.9	39.1	28.1	28.1
5-6 PM	1213	0.0	185	0.0	1500	1213	0	185	0.65	0	64.1	56.4	38.1	28.1	28.1
6-7 PM	1092	0.0	168	0.0	1500	1092	0	168	0.53	0	64.3	57.9	41.4	28.2	28.2
7-8 PM	996	0.0	152	0.0	1500	996	0	152	0.52	0	64.5	58.2	41.7	28.4	28.4
8-9 PM	817	0.0	125	0.0	1500	817	0	125	0.50	0	64.8	58.6	42.4	28.6	28.6
9-10 PM	568	0.0	86	0.0	1500	568	0	86	0.48	0	65.3	59.3	43.2	29.0	29.0
10-11 PM	401	0.0	62	0.0	1500	401	0	62	0.46	0	65.6	59.7	43.9	29.2	29.2
11PM-MID	262	0.0	40	0.0	1500	262	0	40	0.45	0	65.9	60.1	44.5	29.4	29.4

*----- 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	0.0121
MAIN ROUTE WITH WORKS	0.0111
DIVERSION	0.0166

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,324
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: CTH KK - STH 175 - CTH B**

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**SUNDAY NORTHBOUND DIRECTION**

