

**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**

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	169	0.0	26	0.0	1500	169	0	26	0.44	0	66.1	60.4	44.8	29.6	29.6
1-2 AM	104	0.0	16	0.0	1500	104	0	16	0.43	0	66.2	60.5	45.1	29.7	29.7
2-3 AM	108	0.0	16	0.0	1500	108	0	16	0.43	0	66.2	60.5	45.1	29.7	29.7
3-4 AM	147	0.0	23	0.0	1500	147	0	23	0.44	0	66.1	60.4	44.9	29.6	29.6
4-5 AM	315	0.0	49	0.0	1500	315	0	49	0.45	0	65.8	59.9	44.2	29.4	29.4
5-6 AM	672	0.0	103	0.0	1500	672	0	103	0.49	0	65.1	59.0	42.8	28.8	28.8
6-7 AM	935	0.0	143	0.0	1500	935	0	143	0.51	0	64.6	58.3	41.9	28.4	28.4
7-8 AM	939	0.0	144	0.0	1500	939	0	144	0.51	0	64.6	58.3	41.9	28.4	28.4
8-9 AM	975	0.0	149	0.0	1500	975	0	149	0.52	0	64.6	58.2	41.8	28.4	28.4
9-10 AM	1057	0.0	162	0.0	1500	1057	0	162	0.52	0	64.4	58.0	41.5	28.3	28.3
10-11 AM	1118	0.0	171	0.0	1500	1118	0	171	0.53	0	64.3	57.9	41.3	28.2	28.2
11A-NOON	1201	0.0	184	0.0	1500	1201	0	184	0.64	0	64.1	56.6	38.4	28.1	28.1
NOON-1PM	1238	0.0	189	0.0	1500	1238	0	189	0.69	0	64.1	56.0	37.3	28.0	28.0
1-2 PM	1359	0.0	208	0.0	1499	1359	0	208	0.84	0	63.8	54.3	34.0	27.8	27.8
2-3 PM	1476	0.0	226	0.0	1499	1476	0	226	1.00	0	63.7	52.7	31.3	27.6	27.6
3-4 PM	1568	0.0	240	0.0	1500	1568	0	240	2.11	30	63.5	44.2	30.8	27.5	27.5
4-5 PM	1604	0.0	245	0.0	1500	1604	0	245	5.64	127	63.4	29.2	30.8	27.4	27.4
5-6 PM	1349	0.0	206	0.0	1499	1349	0	206	4.96	114	63.9	31.4	31.9	27.8	27.8
6-7 PM	1041	0.0	159	0.0	1500	1041	0	159	0.54	0	64.5	57.8	41.5	28.3	28.3
7-8 PM	778	0.0	119	0.0	1500	778	0	119	0.50	0	65.0	58.7	42.5	28.7	28.7
8-9 PM	651	0.0	99	0.0	1500	651	0	99	0.49	0	65.1	59.1	42.9	28.9	28.9
9-10 PM	514	0.0	79	0.0	1500	514	0	79	0.47	0	65.5	59.4	43.5	29.1	29.1
10-11 PM	367	0.0	56	0.0	1500	367	0	56	0.46	0	65.7	59.8	44.0	29.2	29.2
11PM-MID	239	0.0	37	0.0	1500	239	0	37	0.45	0	66.0	60.2	44.5	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	0.0162
MAIN ROUTE WITH WORKS	0.0149
DIVERSION	0.0222

PIA: Personal Injury Accidents

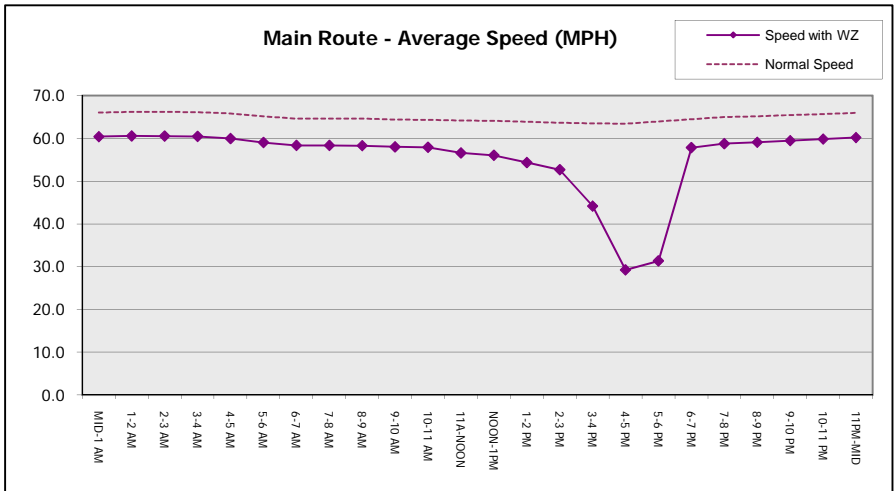
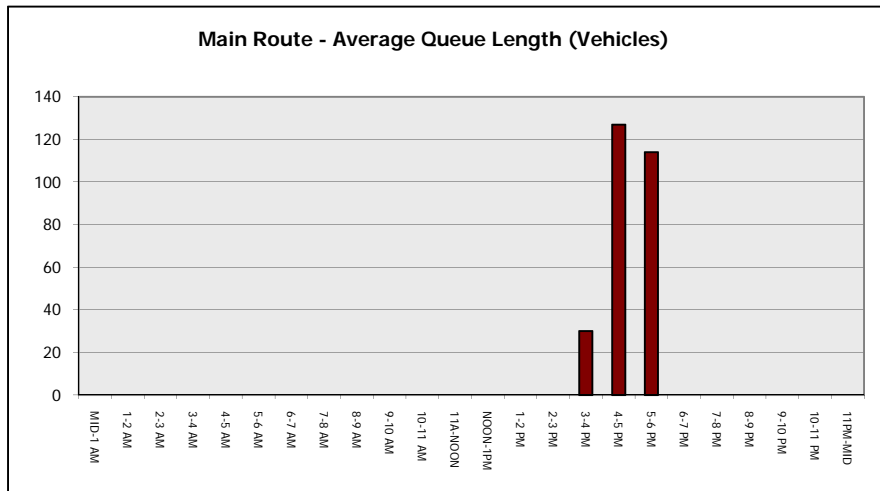
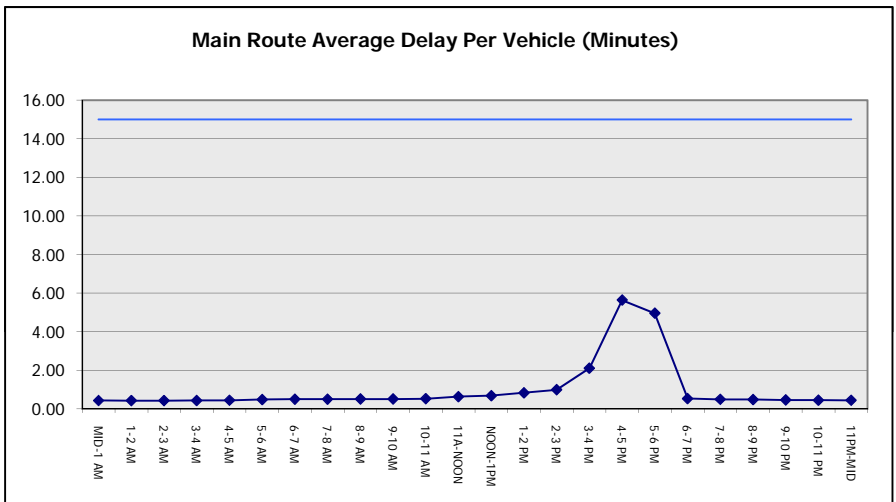
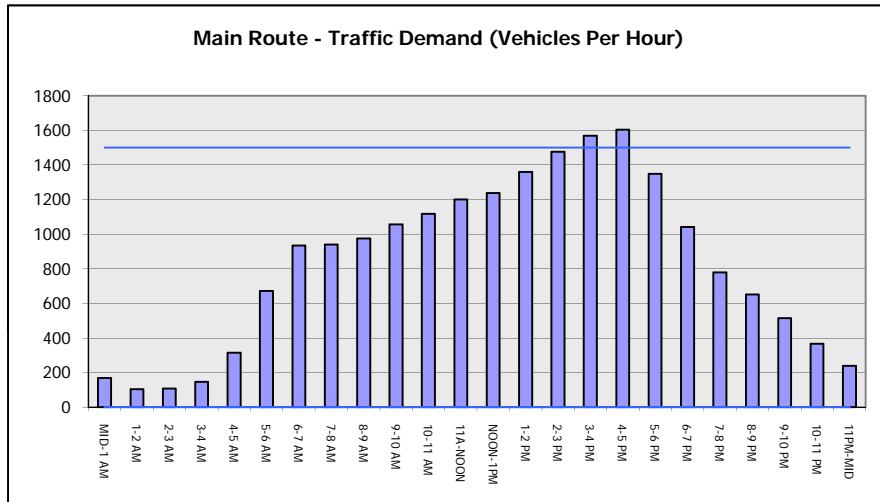
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$6,827
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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	AUGUST Analyzed for 2009 Construction Season
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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	194	0.0	29	0.0	1500	194	0	29	0.44	0	66.0	60.3	44.7	29.6	29.6
1-2 AM	153	0.0	24	0.0	1500	153	0	24	0.44	0	66.1	60.4	44.9	29.6	29.6
2-3 AM	136	0.0	21	0.0	1500	136	0	21	0.44	0	66.1	60.4	45.0	29.6	29.6
3-4 AM	137	0.0	21	0.0	1500	137	0	21	0.44	0	66.1	60.4	45.0	29.6	29.6
4-5 AM	224	0.0	35	0.0	1500	224	0	35	0.44	0	66.0	60.2	44.6	29.5	29.5
5-6 AM	476	0.0	72	0.0	1500	476	0	72	0.47	0	65.5	59.6	43.6	29.1	29.1
6-7 AM	944	0.0	144	0.0	1500	944	0	144	0.51	0	64.6	58.3	41.9	28.4	28.4
7-8 AM	1129	0.0	173	0.0	1500	1129	0	173	0.55	0	64.3	57.7	40.9	28.2	28.2
8-9 AM	1172	0.0	179	0.0	1500	1172	0	179	0.60	0	64.2	57.0	39.4	28.1	28.1
9-10 AM	1382	0.0	212	0.0	1499	1382	0	212	0.87	0	63.8	54.0	33.4	27.8	27.8
10-11 AM	1577	0.0	241	0.0	1499	1577	0	241	2.13	31	63.5	44.0	30.8	27.5	27.5
11A-NOON	1591	0.0	243	0.0	1499	1591	0	243	5.29	117	63.4	30.2	30.8	27.5	27.5
NOON-1PM	1745	0.0	267	0.0	1500	1583	161	428	9.45	229	63.2	21.4	30.8	27.3	25.7
1-2 PM	1903	0.0	291	0.0	1500	1530	373	664	10.95	269	62.8	19.3	30.8	27.1	23.5
2-3 PM	2049	0.0	314	0.0	1499	1535	515	828	12.06	299	62.6	18.1	30.8	26.8	21.9
3-4 PM	2293	0.0	350	0.0	1500	1566	727	1077	14.07	355	62.1	16.1	30.8	26.5	19.6
4-5 PM	2459	0.0	376	0.0	1500	1546	913	1289+	16.18	413	61.3	14.5	30.8	26.2	17.6
5-6 PM	2391	0.0	365	0.0	1499	1463	928	1293+	16.28	415	61.9	14.4	30.8	26.3	17.5
6-7 PM	2066	0.0	316	0.0	1499	1395	671	986	13.30	335	62.5	16.8	30.8	26.8	20.4
7-8 PM	1504	0.0	230	0.0	1500	1366	138	368	8.90	215	63.6	22.3	30.8	27.6	26.3
8-9 PM	1050	0.0	161	0.0	1500	1050	0	161	1.47	33	64.5	49.2	39.4	28.3	28.3
9-10 PM	778	0.0	119	0.0	1500	778	0	119	0.50	0	65.0	58.7	42.5	28.7	28.7
10-11 PM	678	0.0	104	0.0	1500	678	0	104	0.49	0	65.1	59.0	42.8	28.8	28.8
11PM-MID	488	0.0	75	0.0	1500	488	0	75	0.47	0	65.5	59.5	43.5	29.1	29.1

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0232
MAIN ROUTE WITH WORKS	0.0180
DIVERSION	0.0640

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$55,746
CONGESTED HOURS PER DAY*	2

*Delays Exceeding 15 Minutes

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FRIDAY NORTHBOUND DIRECTION

