

**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**

MAY
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	135	0.0	21	0.0	1500	135	0	21	0.44	0	66.1	60.4	45.0	29.6	29.6
1-2 AM	81	0.0	12	0.0	1500	81	0	12	0.43	0	66.3	60.6	45.1	29.7	29.7
2-3 AM	79	0.0	12	0.0	1500	79	0	12	0.43	0	66.3	60.6	45.1	29.7	29.7
3-4 AM	80	0.0	12	0.0	1500	80	0	12	0.43	0	66.3	60.6	45.1	29.7	29.7
4-5 AM	98	0.0	15	0.0	1500	98	0	15	0.43	0	66.2	60.5	45.1	29.7	29.7
5-6 AM	138	0.0	22	0.0	1500	138	0	22	0.44	0	66.1	60.4	45.0	29.6	29.6
6-7 AM	254	0.0	39	0.0	1500	254	0	39	0.45	0	65.9	60.1	44.5	29.4	29.4
7-8 AM	399	0.0	62	0.0	1500	399	0	62	0.46	0	65.6	59.7	43.9	29.2	29.2
8-9 AM	675	0.0	103	0.0	1500	675	0	103	0.49	0	65.1	59.0	42.8	28.8	28.8
9-10 AM	1097	0.0	168	0.0	1499	1097	0	168	0.58	0	64.3	57.4	40.1	28.2	28.2
10-11 AM	1508	0.0	230	0.0	1499	1508	0	230	1.24	6	63.6	50.5	31.2	27.6	27.6
11A-NOON	1474	0.0	225	0.0	1499	1474	0	225	1.30	8	63.7	50.1	31.1	27.7	27.7
NOON-1PM	1717	0.0	263	0.0	1500	1717	0	263	4.33	101	63.2	33.3	30.8	27.3	27.3
1-2 PM	1751	0.0	268	0.0	1499	1528	223	491	9.94	241	63.1	20.7	30.8	27.3	25.2
2-3 PM	1776	0.0	271	0.0	1500	1504	272	543	10.24	249	63.1	20.3	30.8	27.2	24.7
3-4 PM	1796	0.0	275	0.0	1499	1505	291	566	10.37	253	63.0	20.1	30.8	27.2	24.4
4-5 PM	1871	0.0	287	0.0	1500	1509	363	649	10.87	266	62.9	19.4	30.8	27.1	23.7
5-6 PM	1648	0.0	252	0.0	1499	1456	192	444	9.70	234	63.3	21.1	30.8	27.4	25.6
6-7 PM	1510	0.0	231	0.0	1500	1465	45	277	8.72	208	63.6	22.6	30.8	27.6	27.2
7-8 PM	1163	0.0	178	0.0	1499	1163	0	178	2.39	64	64.2	42.8	37.0	28.1	28.1
8-9 PM	856	0.0	131	0.0	1500	856	0	131	0.51	0	64.8	58.5	42.2	28.6	28.6
9-10 PM	560	0.0	85	0.0	1500	560	0	85	0.48	0	65.3	59.3	43.3	29.0	29.0
10-11 PM	350	0.0	53	0.0	1500	350	0	53	0.46	0	65.7	59.9	44.1	29.3	29.3
11PM-MID	168	0.0	26	0.0	1500	168	0	26	0.44	0	66.1	60.4	44.8	29.6	29.6

----- 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	0.0172
MAIN ROUTE WITH WORKS	0.0148
DIVERSION	0.0337

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

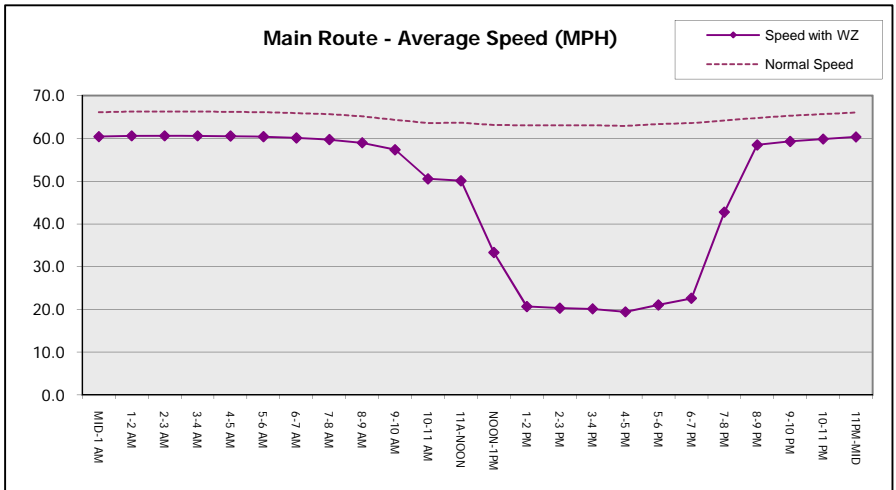
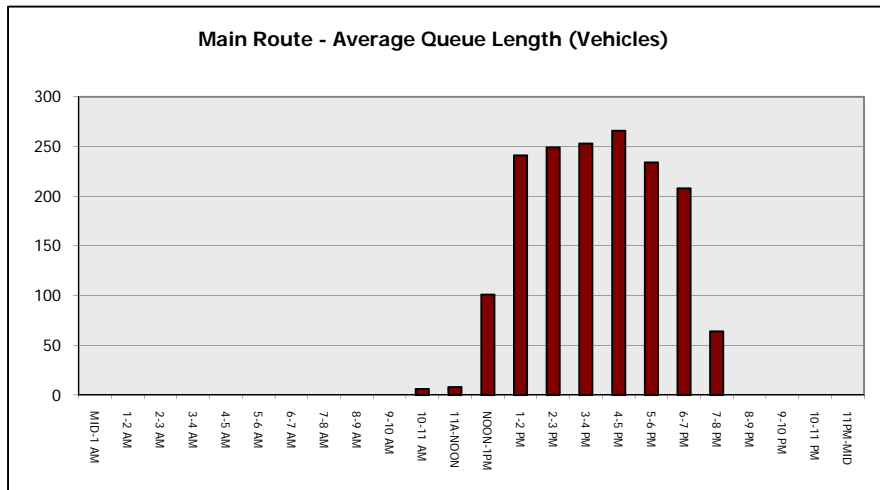
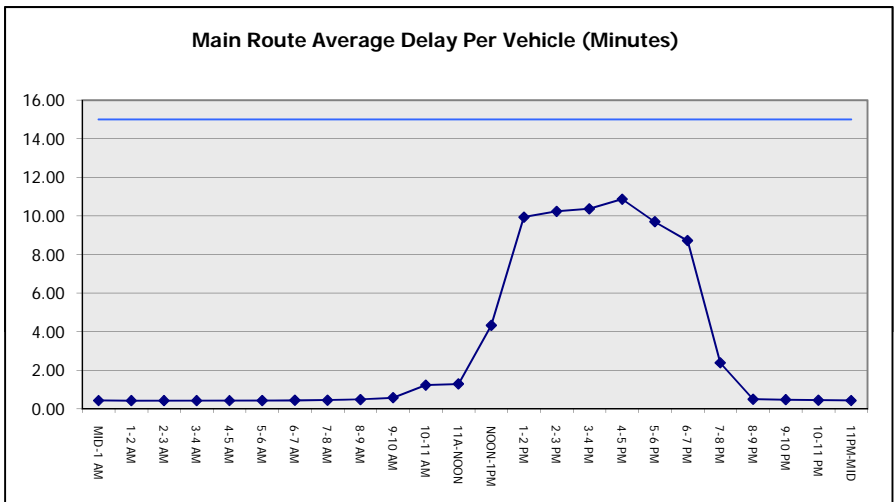
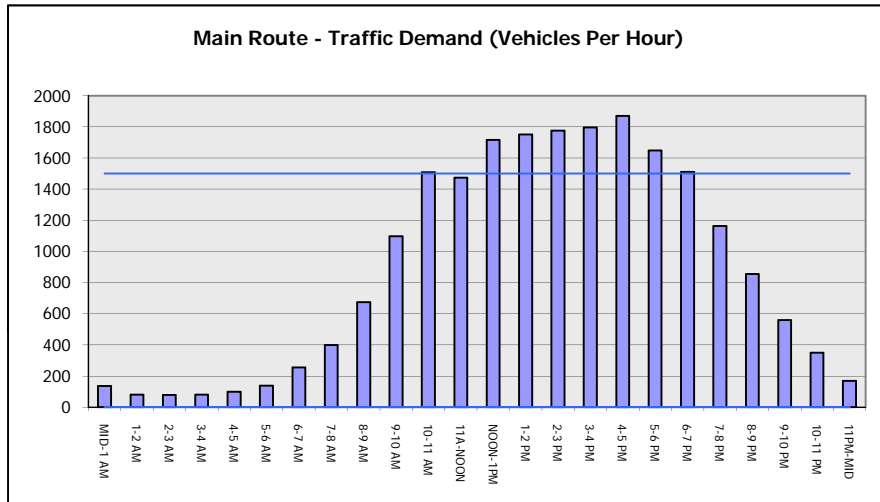
ROAD USER COSTS PER DAY (DOLLARS)	\$34,601
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY 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	MAY
	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	133	0.0	21	0.0	1500	133	0	21	0.44	0	66.1	60.4	45.0	29.6	29.6
1-2 AM	86	0.0	13	0.0	1500	86	0	13	0.43	0	66.2	60.5	45.1	29.7	29.7
2-3 AM	57	0.0	9	0.0	1500	57	0	9	0.43	0	66.3	60.7	45.3	29.7	29.7
3-4 AM	65	0.0	10	0.0	1500	65	0	10	0.43	0	66.3	60.6	45.2	29.7	29.7
4-5 AM	67	0.0	10	0.0	1500	67	0	10	0.43	0	66.3	60.6	45.2	29.7	29.7
5-6 AM	116	0.0	17	0.0	1500	116	0	17	0.43	0	66.2	60.5	45.0	29.6	29.6
6-7 AM	255	0.0	39	0.0	1500	255	0	39	0.45	0	65.9	60.1	44.5	29.4	29.4
7-8 AM	410	0.0	63	0.0	1500	410	0	63	0.46	0	65.6	59.7	43.8	29.2	29.2
8-9 AM	662	0.0	102	0.0	1500	662	0	102	0.49	0	65.1	59.1	42.9	28.8	28.8
9-10 AM	922	0.0	141	0.0	1500	922	0	141	0.51	0	64.6	58.4	42.0	28.5	28.5
10-11 AM	1145	0.0	175	0.0	1500	1145	0	175	0.57	0	64.3	57.4	40.3	28.1	28.1
11A-NOON	1224	0.0	187	0.0	1500	1224	0	187	0.67	0	64.1	56.3	37.7	28.0	28.0
NOON-1PM	1211	0.0	185	0.0	1500	1211	0	185	0.65	0	64.1	56.4	38.1	28.1	28.1
1-2 PM	1043	0.0	160	0.0	1500	1043	0	160	0.52	0	64.5	58.1	41.5	28.3	28.3
2-3 PM	991	0.0	151	0.0	1500	991	0	151	0.52	0	64.5	58.2	41.7	28.4	28.4
3-4 PM	1087	0.0	167	0.0	1500	1087	0	167	0.53	0	64.3	57.9	41.4	28.3	28.3
4-5 PM	1164	0.0	178	0.0	1500	1164	0	178	0.59	0	64.2	57.1	39.6	28.1	28.1
5-6 PM	1168	0.0	178	0.0	1500	1168	0	178	0.60	0	64.2	57.1	39.5	28.1	28.1
6-7 PM	1047	0.0	160	0.0	1500	1047	0	160	0.52	0	64.5	58.1	41.5	28.3	28.3
7-8 PM	813	0.0	124	0.0	1500	813	0	124	0.50	0	64.9	58.6	42.4	28.6	28.6
8-9 PM	632	0.0	96	0.0	1500	632	0	96	0.48	0	65.2	59.1	43.0	28.9	28.9
9-10 PM	431	0.0	66	0.0	1500	431	0	66	0.46	0	65.6	59.6	43.8	29.2	29.2
10-11 PM	288	0.0	44	0.0	1500	288	0	44	0.45	0	65.8	60.1	44.3	29.4	29.4
11PM-MID	180	0.0	27	0.0	1500	180	0	27	0.44	0	66.1	60.3	44.8	29.6	29.6

----- 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	0.0123
MAIN ROUTE WITH WORKS	0.0113
DIVERSION	0.0169

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,380
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
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SUNDAY NORTHBOUND DIRECTION

