

**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

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	447	0.0	68	0.0	1500	447	0	68	0.47	0	65.6	59.6	43.7	29.2	29.2
1-2 AM	174	0.0	27	0.0	1500	174	0	27	0.44	0	66.1	60.4	44.8	29.6	29.6
2-3 AM	82	0.0	13	0.0	1500	82	0	13	0.43	0	66.3	60.6	45.1	29.7	29.7
3-4 AM	87	0.0	13	0.0	1500	87	0	13	0.43	0	66.2	60.5	45.1	29.7	29.7
4-5 AM	94	0.0	14	0.0	1500	94	0	14	0.43	0	66.2	60.5	45.1	29.7	29.7
5-6 AM	128	0.0	19	0.0	1500	128	0	19	0.43	0	66.1	60.5	45.0	29.6	29.6
6-7 AM	259	0.0	40	0.0	1500	259	0	40	0.45	0	65.9	60.1	44.5	29.4	29.4
7-8 AM	379	0.0	58	0.0	1500	379	0	58	0.46	0	65.7	59.8	44.0	29.2	29.2
8-9 AM	698	0.0	107	0.0	1500	698	0	107	0.49	0	65.1	58.9	42.8	28.8	28.8
9-10 AM	1223	0.0	187	0.0	1499	1223	0	187	0.67	0	64.1	56.2	37.8	28.0	28.0
10-11 AM	1699	0.0	259	0.0	1499	1699	0	259	3.46	77	63.2	36.9	30.8	27.3	27.3
11A-NOON	1940	0.0	296	0.0	1499	1591	349	646	10.83	267	62.8	19.5	30.8	27.0	23.7
NOON-1PM	2024	0.0	309	0.0	1499	1519	505	814	11.96	297	62.6	18.1	30.8	26.9	22.0
1-2 PM	2269	0.0	347	0.0	1500	1562	706	1053	13.86	349	62.2	16.3	30.8	26.5	19.8
2-3 PM	2282	0.0	349	0.0	1499	1499	783	1132	14.59	368	62.2	15.6	30.8	26.5	19.1
3-4 PM	2343	0.0	358	0.0	1500	1522	821	1179	15.05	381	62.0	15.3	30.8	26.4	18.6
4-5 PM	2464	0.0	377	0.0	1500	1531	933	1310+	16.43	420	61.2	14.3	30.8	26.2	17.4
5-6 PM	2171	0.0	332	0.0	1499	1397	774	1106	14.36	364	62.3	15.9	30.8	26.6	19.3
6-7 PM	1809	0.0	277	0.0	1500	1420	388	665	10.97	270	63.0	19.3	30.8	27.2	23.5
7-8 PM	1480	0.0	226	0.0	1500	1413	67	293	8.53	204	63.7	22.9	30.8	27.6	27.0
8-9 PM	1018	0.0	156	0.0	1500	1018	0	156	1.42	31	64.5	49.7	39.7	28.3	28.3
9-10 PM	601	0.0	92	0.0	1500	601	0	92	0.48	0	65.3	59.2	43.1	28.9	28.9
10-11 PM	314	0.0	48	0.0	1500	314	0	48	0.45	0	65.8	60.0	44.2	29.4	29.4
11PM-MID	173	0.0	26	0.0	1500	173	0	26	0.44	0	66.1	60.4	44.8	29.6	29.6

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0212
MAIN ROUTE WITH WORKS	0.0155
DIVERSION	0.0679

PIA: Personal Injury Accidents

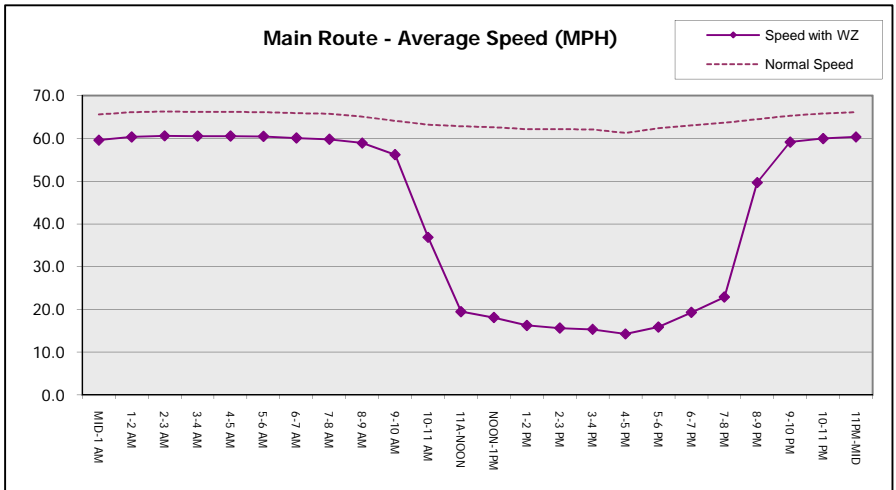
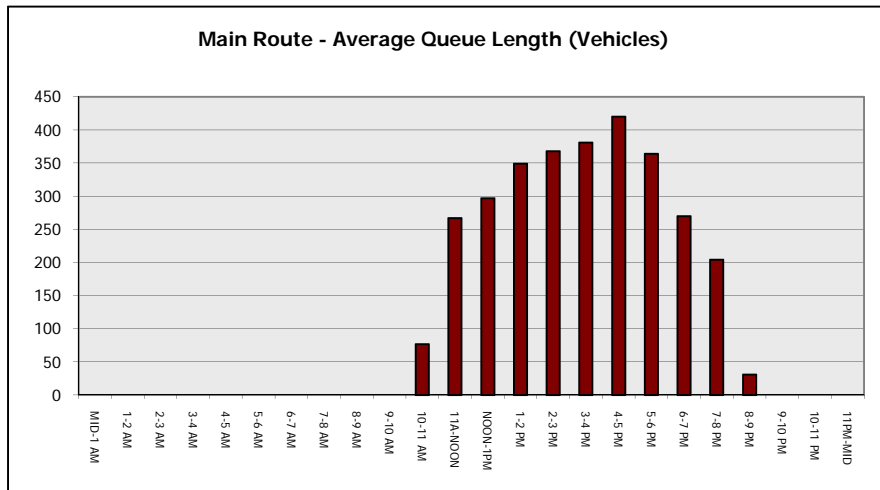
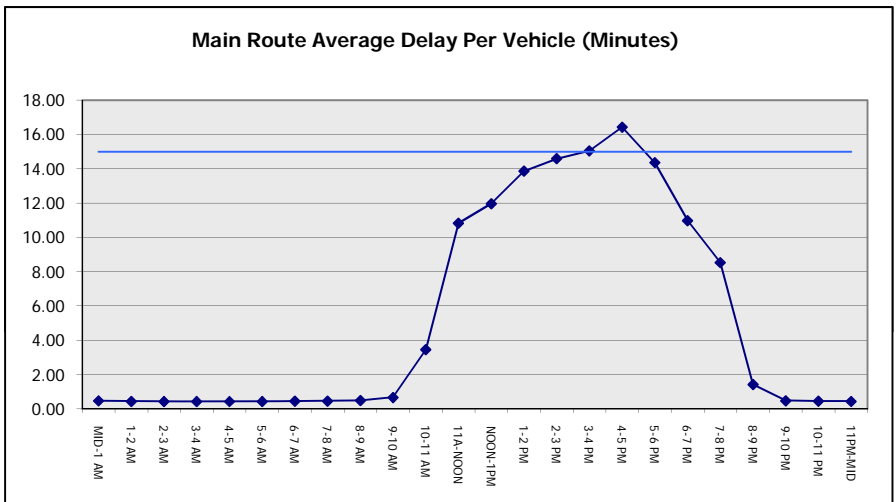
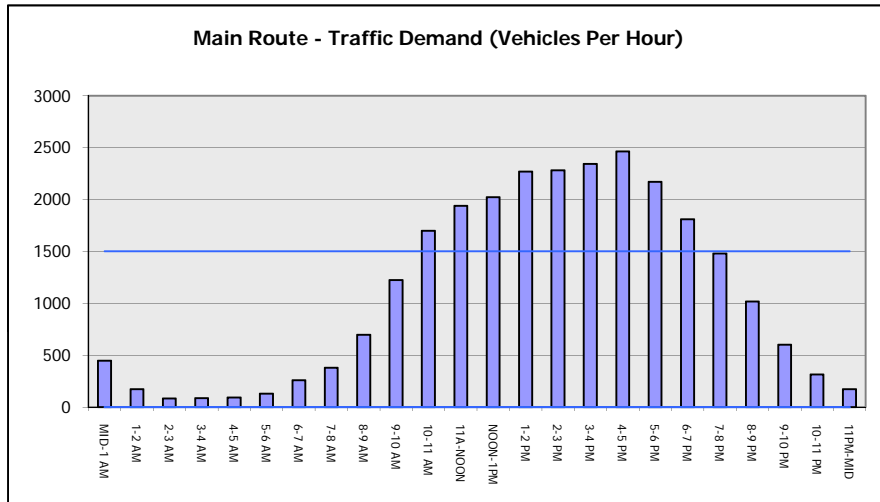
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$77,635
CONGESTED HOURS PER DAY*	2

*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
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	AUGUST
	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	175	0.0	27	0.0	1500	175	0	27	0.44	0	66.1	60.4	44.8	29.6	29.6
1-2 AM	125	0.0	19	0.0	1500	125	0	19	0.43	0	66.1	60.5	45.0	29.6	29.6
2-3 AM	80	0.0	12	0.0	1500	80	0	12	0.43	0	66.3	60.6	45.1	29.7	29.7
3-4 AM	57	0.0	9	0.0	1500	57	0	9	0.43	0	66.3	60.7	45.3	29.7	29.7
4-5 AM	65	0.0	10	0.0	1500	65	0	10	0.43	0	66.3	60.6	45.2	29.7	29.7
5-6 AM	110	0.0	17	0.0	1500	110	0	17	0.43	0	66.2	60.5	45.0	29.6	29.6
6-7 AM	250	0.0	38	0.0	1500	250	0	38	0.45	0	65.9	60.1	44.5	29.4	29.4
7-8 AM	346	0.0	53	0.0	1500	346	0	53	0.46	0	65.8	59.9	44.1	29.3	29.3
8-9 AM	596	0.0	91	0.0	1500	596	0	91	0.48	0	65.3	59.2	43.2	28.9	28.9
9-10 AM	858	0.0	131	0.0	1500	858	0	131	0.51	0	64.8	58.5	42.2	28.6	28.6
10-11 AM	1222	0.0	187	0.0	1500	1222	0	187	0.66	0	64.1	56.3	37.8	28.0	28.0
11A-NOON	1265	0.0	194	0.0	1500	1265	0	194	0.72	0	64.0	55.6	36.5	27.9	27.9
NOON-1PM	1228	0.0	188	0.0	1500	1228	0	188	0.67	0	64.1	56.2	37.6	28.0	28.0
1-2 PM	1120	0.0	171	0.0	1500	1120	0	171	0.53	0	64.3	57.8	41.2	28.2	28.2
2-3 PM	1139	0.0	174	0.0	1500	1139	0	174	0.56	0	64.3	57.5	40.5	28.1	28.1
3-4 PM	1145	0.0	175	0.0	1500	1145	0	175	0.57	0	64.3	57.4	40.3	28.1	28.1
4-5 PM	1191	0.0	182	0.0	1500	1191	0	182	0.62	0	64.1	56.8	38.8	28.1	28.1
5-6 PM	1235	0.0	189	0.0	1500	1235	0	189	0.68	0	64.1	56.1	37.4	28.0	28.0
6-7 PM	1180	0.0	181	0.0	1500	1180	0	181	0.61	0	64.2	56.9	39.1	28.1	28.1
7-8 PM	871	0.0	133	0.0	1500	871	0	133	0.51	0	64.8	58.5	42.2	28.6	28.6
8-9 PM	697	0.0	107	0.0	1500	697	0	107	0.49	0	65.1	58.9	42.8	28.8	28.8
9-10 PM	491	0.0	75	0.0	1500	491	0	75	0.47	0	65.5	59.5	43.5	29.1	29.1
10-11 PM	373	0.0	57	0.0	1500	373	0	57	0.46	0	65.7	59.8	44.0	29.2	29.2
11PM-MID	246	0.0	38	0.0	1500	246	0	38	0.45	0	66.0	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	0.0130
MAIN ROUTE WITH WORKS	0.0120
DIVERSION	0.0179

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,781
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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SUNDAY NORTHBOUND DIRECTION

