

USH 151: CTH G TO CTH S (DODGE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH G - CTH S	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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		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	32	0.0	2	0.0	1500	32	0	2	0.50	0	63.8	59.5	41.9	24.8	24.8
1-2 AM	27	0.0	2	0.0	1500	27	0	2	0.50	0	63.8	59.5	41.9	24.8	24.8
2-3 AM	37	0.0	2	0.0	1500	37	0	2	0.50	0	63.8	59.5	41.9	24.8	24.8
3-4 AM	73	0.0	4	0.0	1500	73	0	4	0.51	0	63.8	59.4	41.7	24.8	24.8
4-5 AM	160	0.0	11	0.0	1500	160	0	11	0.51	0	63.6	59.2	41.4	24.8	24.8
5-6 AM	448	0.0	29	0.0	1500	448	0	29	0.54	0	63.1	58.5	40.5	24.6	24.6
6-7 AM	675	0.0	44	0.0	1500	675	0	44	0.56	0	62.7	58.0	39.7	24.5	24.5
7-8 AM	763	0.0	50	0.0	1500	763	0	50	0.57	0	62.5	57.8	39.4	24.5	24.5
8-9 AM	591	0.0	39	0.0	1500	591	0	39	0.55	0	62.8	58.2	40.0	24.5	24.5
9-10 AM	530	0.0	35	0.0	1500	530	0	35	0.55	0	62.9	58.3	40.2	24.6	24.6
10-11 AM	502	0.0	33	0.0	1500	502	0	33	0.55	0	63.0	58.4	40.3	24.6	24.6
11A-NOON	494	0.0	32	0.0	1500	494	0	32	0.55	0	63.0	58.4	40.3	24.6	24.6
NOON-1PM	492	0.0	32	0.0	1500	492	0	32	0.55	0	63.0	58.4	40.3	24.6	24.6
1-2 PM	537	0.0	36	0.0	1500	537	0	36	0.55	0	62.9	58.3	40.2	24.6	24.6
2-3 PM	552	0.0	37	0.0	1500	552	0	37	0.55	0	62.8	58.2	40.1	24.5	24.5
3-4 PM	615	0.0	40	0.0	1500	615	0	40	0.56	0	62.8	58.1	39.9	24.5	24.5
4-5 PM	635	0.0	42	0.0	1500	635	0	42	0.56	0	62.7	58.1	39.9	24.5	24.5
5-6 PM	551	0.0	37	0.0	1500	551	0	37	0.55	0	62.8	58.2	40.1	24.5	24.5
6-7 PM	376	0.0	25	0.0	1500	376	0	25	0.53	0	63.2	58.7	40.7	24.7	24.7
7-8 PM	273	0.0	18	0.0	1500	273	0	18	0.52	0	63.4	58.9	41.0	24.7	24.7
8-9 PM	206	0.0	14	0.0	1500	206	0	14	0.52	0	63.5	59.1	41.3	24.7	24.7
9-10 PM	168	0.0	11	0.0	1500	168	0	11	0.51	0	63.6	59.2	41.4	24.8	24.8
10-11 PM	109	0.0	8	0.0	1500	109	0	8	0.51	0	63.7	59.3	41.6	24.8	24.8
11PM-MID	58	0.0	4	0.0	1500	58	0	4	0.50	0	63.8	59.4	41.8	24.8	24.8

----- 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	0.0107
MAIN ROUTE WITH WORKS	0.0117
DIVERSION	0.0058

PIA: Personal Injury Accidents

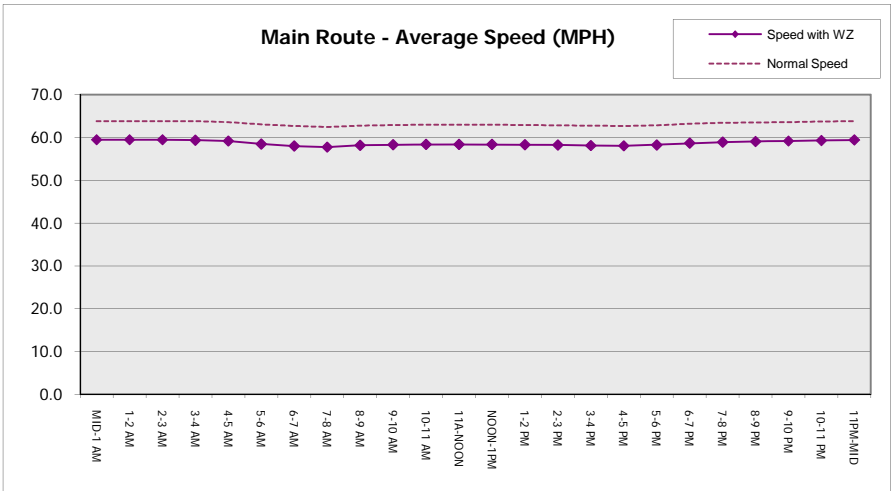
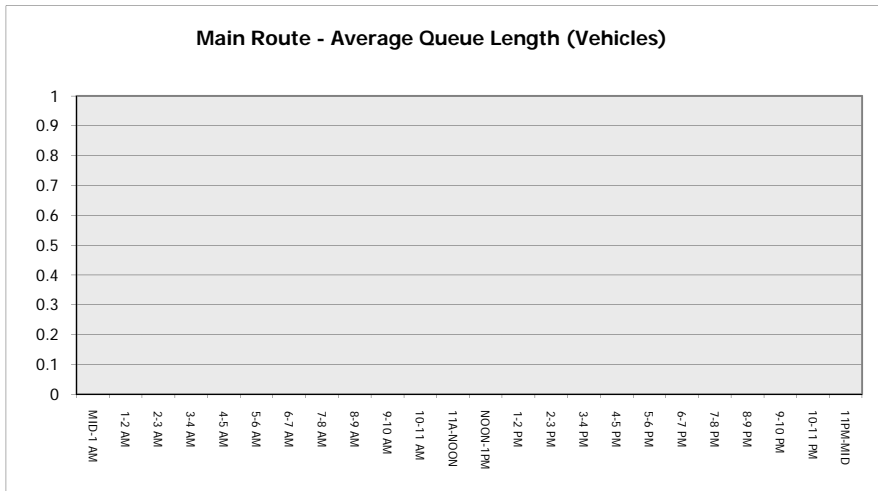
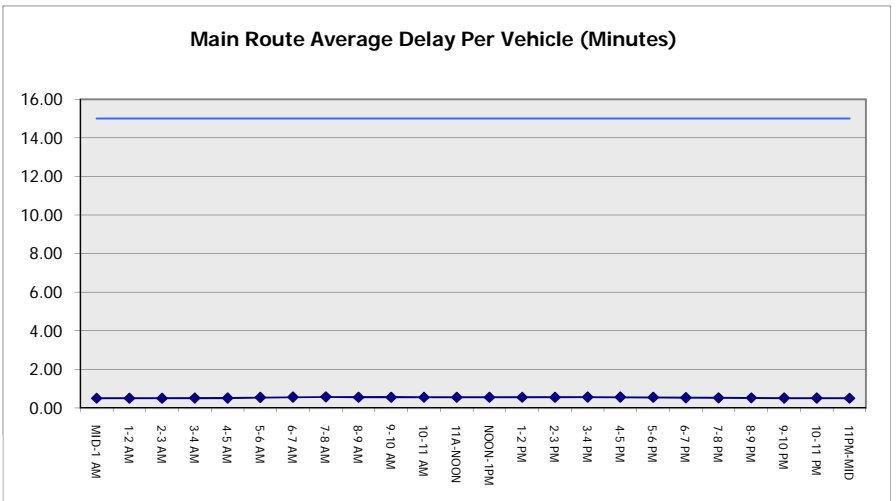
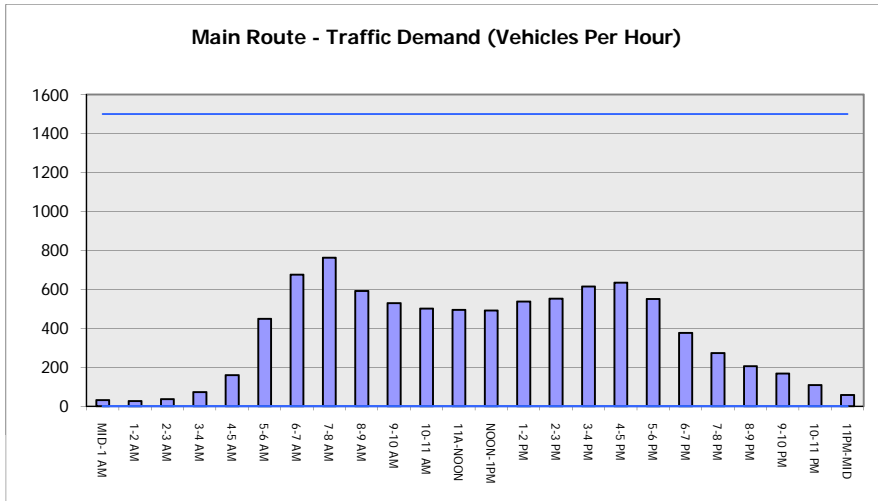
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$982
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: CTH G - CTH S**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



USH 151: CTH G TO CTH S (DODGE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH G - CTH S	OCTOBER
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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	58	0.0	4	0.0	1500	58	0	4	0.50	0	63.8	59.4	41.8	24.8	24.8
1-2 AM	41	0.0	2	0.0	1500	41	0	2	0.50	0	63.8	59.5	41.9	24.8	24.8
2-3 AM	41	0.0	2	0.0	1500	41	0	2	0.50	0	63.8	59.5	41.9	24.8	24.8
3-4 AM	50	0.0	3	0.0	1500	50	0	3	0.50	0	63.8	59.4	41.8	24.8	24.8
4-5 AM	97	0.0	6	0.0	1500	97	0	6	0.51	0	63.7	59.3	41.7	24.8	24.8
5-6 AM	212	0.0	14	0.0	1500	212	0	14	0.52	0	63.5	59.1	41.2	24.7	24.7
6-7 AM	370	0.0	25	0.0	1500	370	0	25	0.53	0	63.2	58.7	40.7	24.7	24.7
7-8 AM	505	0.0	33	0.0	1500	505	0	33	0.55	0	63.0	58.4	40.3	24.6	24.6
8-9 AM	493	0.0	32	0.0	1500	493	0	32	0.55	0	63.0	58.4	40.3	24.6	24.6
9-10 AM	464	0.0	30	0.0	1500	464	0	30	0.54	0	63.0	58.5	40.4	24.6	24.6
10-11 AM	447	0.0	29	0.0	1500	447	0	29	0.54	0	63.1	58.5	40.5	24.6	24.6
11A-NOON	453	0.0	30	0.0	1500	453	0	30	0.54	0	63.0	58.5	40.4	24.6	24.6
NOON-1PM	475	0.0	31	0.0	1500	475	0	31	0.54	0	63.0	58.4	40.4	24.6	24.6
1-2 PM	522	0.0	35	0.0	1500	522	0	35	0.55	0	62.9	58.3	40.2	24.6	24.6
2-3 PM	649	0.0	43	0.0	1500	649	0	43	0.56	0	62.7	58.1	39.8	24.5	24.5
3-4 PM	773	0.0	51	0.0	1500	773	0	51	0.57	0	62.5	57.8	39.4	24.5	24.5
4-5 PM	898	0.0	59	0.0	1500	898	0	59	0.58	0	62.2	57.4	39.1	24.4	24.4
5-6 PM	737	0.0	49	0.0	1500	737	0	49	0.57	0	62.5	57.8	39.6	24.5	24.5
6-7 PM	438	0.0	29	0.0	1500	438	0	29	0.54	0	63.1	58.5	40.5	24.6	24.6
7-8 PM	301	0.0	19	0.0	1500	301	0	19	0.53	0	63.3	58.9	40.9	24.7	24.7
8-9 PM	228	0.0	15	0.0	1500	228	0	15	0.52	0	63.5	59.0	41.2	24.7	24.7
9-10 PM	182	0.0	12	0.0	1500	182	0	12	0.52	0	63.6	59.1	41.4	24.8	24.8
10-11 PM	146	0.0	10	0.0	1500	146	0	10	0.51	0	63.7	59.2	41.5	24.8	24.8
11PM-MID	86	0.0	5	0.0	1500	86	0	5	0.51	0	63.7	59.4	41.7	24.8	24.8

----- 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	0.0104
MAIN ROUTE WITH WORKS	0.0114
DIVERSION	0.0056

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$957
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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DIVERSION ROUTE: CTH G - CTH S

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MON-THUR NORTHBOUND DIRECTION

