

USH 53: CTH OT TO IH 90 (LA CROSSE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 157 - 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		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	55	0.0	20	0.0	1500	55	0	20	0.43	0	66.3	46.3	45.3	19.7	19.7
1-2 AM	40	0.0	14	0.0	1500	40	0	14	0.43	0	66.3	46.4	45.3	19.7	19.7
2-3 AM	54	0.0	19	0.0	1500	54	0	19	0.43	0	66.3	46.4	45.3	19.7	19.7
3-4 AM	78	0.0	28	0.0	1500	78	0	28	0.43	0	66.3	46.3	45.2	19.6	19.6
4-5 AM	197	0.0	72	0.0	1500	197	0	72	0.44	0	66.0	45.8	44.7	19.3	19.3
5-6 AM	638	0.0	233	0.0	1500	638	0	233	0.48	0	65.2	44.1	43.0	18.0	18.0
6-7 AM	1506	0.0	550	0.0	1499	1506	0	550	1.47	28	63.6	27.2	33.3	15.5	16.0
7-8 AM	2406	0.0	880	0.0	1500	1652	754	1633+	9.35	228	61.9	9.6	31.6	13.0	11.2
8-9 AM	1445	0.0	529	0.0	1499	1213	232	760	3.44	97	63.7	17.3	34.6	15.7	15.6
9-10 AM	940	0.0	344	0.0	1500	940	0	344	0.51	0	64.6	43.0	41.9	17.1	17.1
10-11 AM	855	0.0	312	0.0	1500	855	0	312	0.51	0	64.8	43.3	42.2	17.4	17.4
11A-NOON	906	0.0	332	0.0	1500	906	0	332	0.51	0	64.7	43.1	42.0	17.3	17.3
NOON-1PM	980	0.0	358	0.0	1500	980	0	358	0.52	0	64.6	42.8	41.7	17.1	17.1
1-2 PM	963	0.0	352	0.0	1500	963	0	352	0.52	0	64.6	42.9	41.8	17.1	17.1
2-3 PM	1033	0.0	377	0.0	1500	1033	0	377	0.52	0	64.5	42.7	41.5	16.9	16.9
3-4 PM	1197	0.0	438	0.0	1500	1197	0	438	0.63	0	64.1	39.7	38.6	16.4	16.4
4-5 PM	1269	0.0	464	0.0	1500	1269	0	464	0.73	0	64.0	37.6	36.3	16.2	16.2
5-6 PM	1274	0.0	466	0.0	1500	1274	0	466	0.73	0	64.0	37.4	36.2	16.2	16.2
6-7 PM	931	0.0	341	0.0	1500	931	0	341	0.51	0	64.6	43.0	41.9	17.2	17.2
7-8 PM	604	0.0	220	0.0	1500	604	0	220	0.48	0	65.3	44.2	43.1	18.1	18.1
8-9 PM	421	0.0	154	0.0	1500	421	0	154	0.46	0	65.6	44.9	43.8	18.6	18.6
9-10 PM	315	0.0	115	0.0	1500	315	0	115	0.45	0	65.8	45.3	44.2	18.9	18.9
10-11 PM	202	0.0	74	0.0	1500	202	0	74	0.44	0	66.0	45.8	44.6	19.3	19.3
11PM-MID	98	0.0	36	0.0	1500	98	0	36	0.43	0	66.2	46.2	45.1	19.6	19.6

+ 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	0.0032
MAIN ROUTE WITH WORKS	0.0019
DIVERSION	0.0126

PIA: Personal Injury Accidents

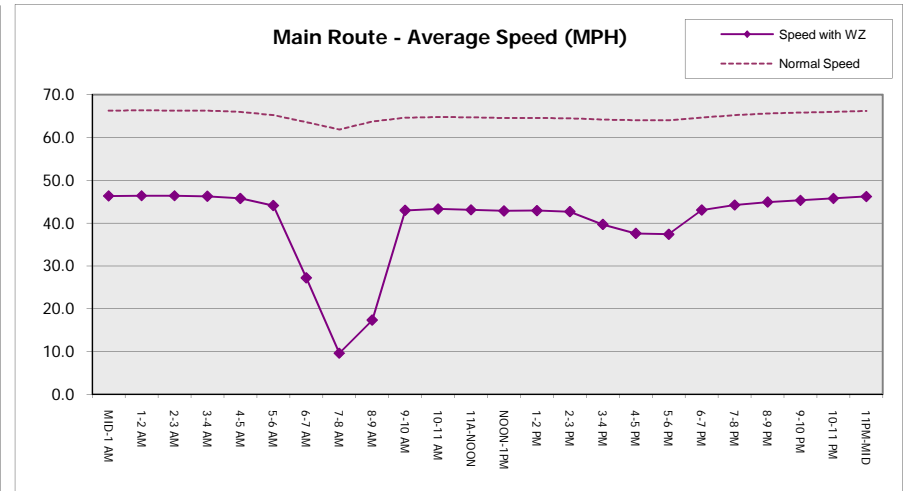
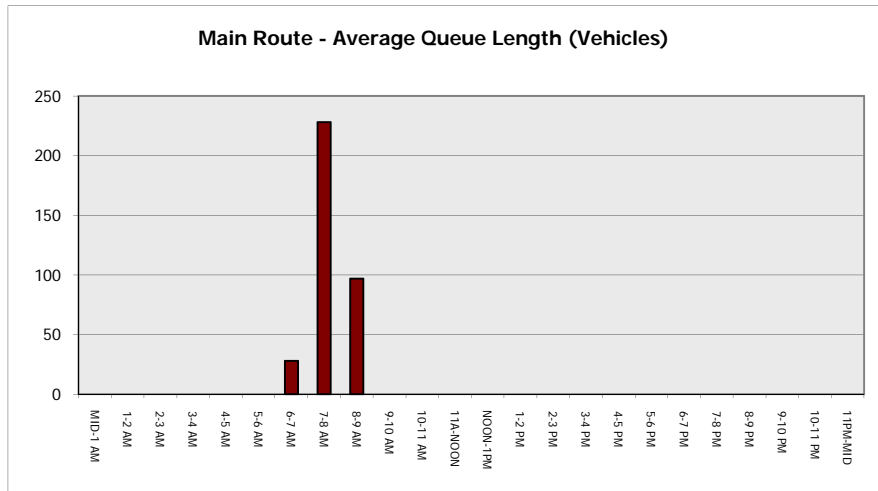
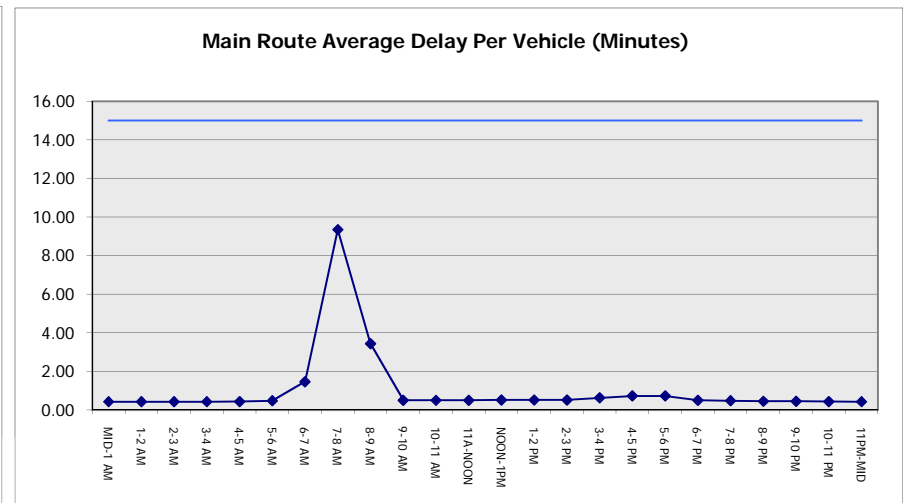
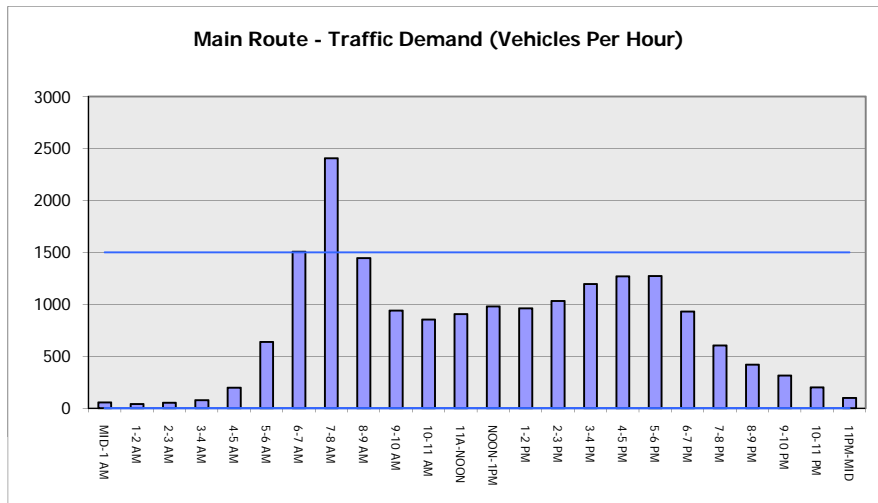
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$8,517
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 157 - CTH S**

OCTOBER
Analyzed for 2009
Construction Season

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



USH 53: CTH OT TO IH 90 (LA CROSSE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 157 - 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	75	0.0	27	0.0	1500	75	0	27	0.43	0	66.3	46.3	45.2	19.7	19.7
1-2 AM	50	0.0	18	0.0	1500	50	0	18	0.43	0	66.3	46.4	45.3	19.7	19.7
2-3 AM	60	0.0	22	0.0	1500	60	0	22	0.43	0	66.3	46.3	45.3	19.7	19.7
3-4 AM	55	0.0	20	0.0	1500	55	0	20	0.43	0	66.3	46.3	45.3	19.7	19.7
4-5 AM	122	0.0	45	0.0	1500	122	0	45	0.43	0	66.1	46.1	45.0	19.5	19.5
5-6 AM	254	0.0	92	0.0	1500	254	0	92	0.45	0	65.9	45.6	44.5	19.1	19.1
6-7 AM	589	0.0	215	0.0	1500	589	0	215	0.48	0	65.3	44.3	43.2	18.2	18.2
7-8 AM	898	0.0	328	0.0	1500	898	0	328	0.51	0	64.7	43.2	42.0	17.3	17.3
8-9 AM	695	0.0	254	0.0	1500	695	0	254	0.49	0	65.1	43.9	42.8	17.9	17.9
9-10 AM	648	0.0	237	0.0	1500	648	0	237	0.49	0	65.2	44.0	43.0	18.0	18.0
10-11 AM	707	0.0	259	0.0	1500	707	0	259	0.49	0	65.1	43.8	42.7	17.8	17.8
11A-NOON	862	0.0	316	0.0	1500	862	0	316	0.51	0	64.8	43.3	42.2	17.4	17.4
NOON-1PM	965	0.0	353	0.0	1500	965	0	353	0.52	0	64.6	42.9	41.8	17.1	17.1
1-2 PM	976	0.0	357	0.0	1500	976	0	357	0.52	0	64.6	42.8	41.7	17.1	17.1
2-3 PM	1159	0.0	424	0.0	1499	1159	0	424	0.60	0	64.2	40.5	39.4	16.5	16.5
3-4 PM	1599	0.0	584	0.0	1499	1599	0	584	1.68	25	63.4	25.1	30.8	15.3	15.7
4-5 PM	1977	0.0	723	0.0	1499	1577	400	1123	6.75	155	62.7	11.2	30.8	14.2	13.5
5-6 PM	1959	0.0	716	0.0	1499	1461	498	1214	7.29	170	62.7	10.8	30.8	14.2	12.9
6-7 PM	1173	0.0	429	0.0	1499	1150	23	452	1.32	35	64.2	29.3	37.7	16.5	17.0
7-8 PM	865	0.0	317	0.0	1500	865	0	317	0.51	0	64.8	43.3	42.2	17.4	17.4
8-9 PM	684	0.0	250	0.0	1500	684	0	250	0.49	0	65.1	43.9	42.8	17.9	17.9
9-10 PM	513	0.0	188	0.0	1500	513	0	188	0.47	0	65.5	44.5	43.5	18.4	18.4
10-11 PM	314	0.0	115	0.0	1500	314	0	115	0.45	0	65.8	45.3	44.2	18.9	18.9
11PM-MID	211	0.0	77	0.0	1500	211	0	77	0.44	0	66.0	45.7	44.6	19.3	19.3

----- 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	0.0030
MAIN ROUTE WITH WORKS	0.0018
DIVERSION	0.0119

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$8,594
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
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MON-THUR NORTHBOUND DIRECTION

