

USH 53: CTH OT TO IH 90 (LA CROSSE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 157 - CTH S	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	85	0.0	31	0.0	1500	85	0	31	0.43	0	66.2	46.2	45.1	19.6	19.6
1-2 AM	55	0.0	20	0.0	1500	55	0	20	0.43	0	66.3	46.3	45.3	19.7	19.7
2-3 AM	62	0.0	22	0.0	1500	62	0	22	0.43	0	66.3	46.3	45.3	19.7	19.7
3-4 AM	69	0.0	25	0.0	1500	69	0	25	0.43	0	66.3	46.3	45.2	19.7	19.7
4-5 AM	161	0.0	59	0.0	1500	161	0	59	0.44	0	66.1	46.0	44.8	19.4	19.4
5-6 AM	556	0.0	203	0.0	1500	556	0	203	0.48	0	65.3	44.4	43.3	18.3	18.3
6-7 AM	1262	0.0	462	0.0	1499	1262	0	462	0.71	0	64.0	37.9	36.8	16.3	16.3
7-8 AM	1944	0.0	710	0.0	1499	1660	284	995	6.14	143	62.8	11.9	30.8	14.3	14.4
8-9 AM	1304	0.0	477	0.0	1499	1258	46	523	2.10	58	64.0	22.9	35.1	16.1	16.8
9-10 AM	1055	0.0	386	0.0	1500	1055	0	386	0.52	0	64.4	42.6	41.5	16.8	16.8
10-11 AM	1055	0.0	386	0.0	1500	1055	0	386	0.52	0	64.4	42.6	41.5	16.8	16.8
11A-NOON	1142	0.0	418	0.0	1500	1142	0	418	0.56	0	64.3	41.5	40.4	16.6	16.6
NOON-1PM	1245	0.0	454	0.0	1500	1245	0	454	0.69	0	64.1	38.3	37.1	16.3	16.3
1-2 PM	1217	0.0	444	0.0	1500	1217	0	444	0.66	0	64.1	39.1	37.9	16.4	16.4
2-3 PM	1213	0.0	443	0.0	1500	1213	0	443	0.65	0	64.1	39.2	38.0	16.4	16.4
3-4 PM	1263	0.0	462	0.0	1500	1263	0	462	0.72	0	64.0	37.7	36.5	16.3	16.3
4-5 PM	1357	0.0	496	0.0	1500	1357	0	496	0.84	0	63.8	35.2	34.0	16.0	16.0
5-6 PM	1378	0.0	503	0.0	1500	1378	0	503	0.87	0	63.8	34.7	33.5	15.9	15.9
6-7 PM	1100	0.0	402	0.0	1500	1100	0	402	0.53	0	64.3	42.5	41.4	16.7	16.7
7-8 PM	743	0.0	271	0.0	1500	743	0	271	0.49	0	65.0	43.7	42.6	17.8	17.8
8-9 PM	593	0.0	216	0.0	1500	593	0	216	0.48	0	65.3	44.3	43.2	18.2	18.2
9-10 PM	498	0.0	182	0.0	1500	498	0	182	0.47	0	65.5	44.6	43.5	18.4	18.4
10-11 PM	358	0.0	131	0.0	1500	358	0	131	0.46	0	65.7	45.1	44.0	18.8	18.8
11PM-MID	221	0.0	81	0.0	1500	221	0	81	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 (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	0.0035
MAIN ROUTE WITH WORKS	0.0021
DIVERSION	0.0124

PIA: Personal Injury Accidents

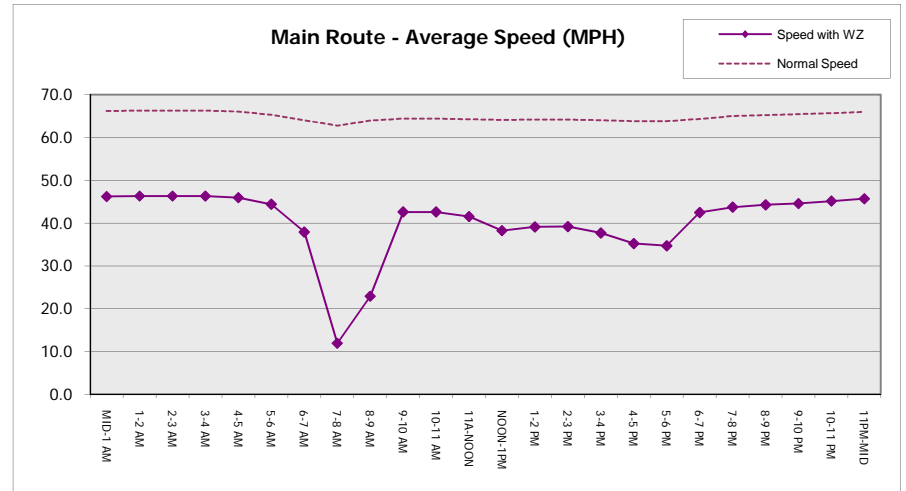
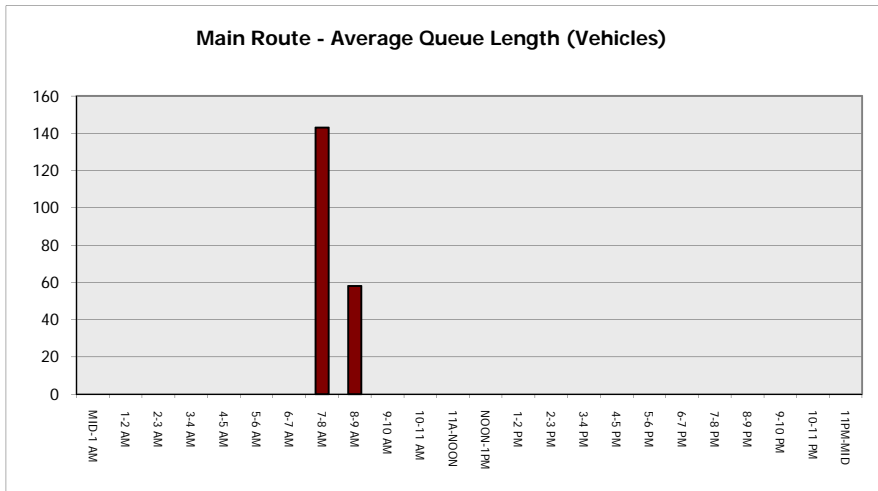
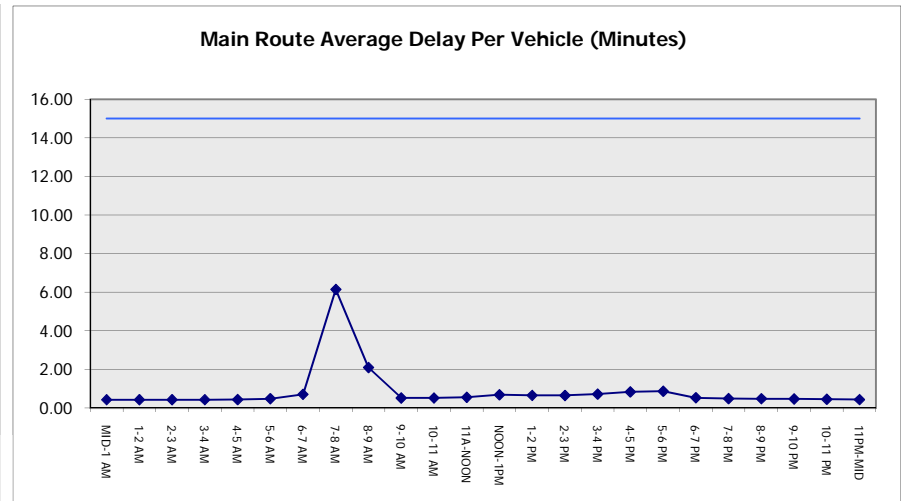
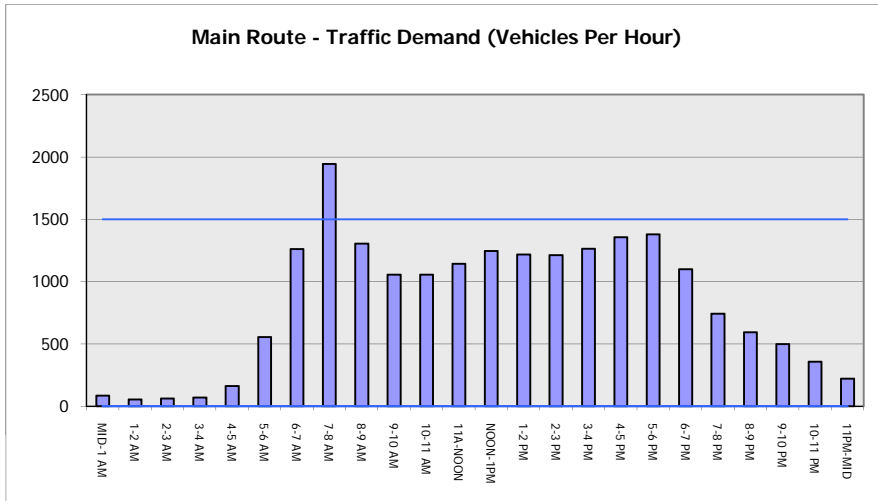
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$5,791
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**USH 53: CTH OT TO IH 90 (LA CROSSE COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 157 - CTH S**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 53: CTH OT TO IH 90 (LA CROSSE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 157 - CTH S	AUGUST
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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	150	0.0	55	0.0	1500	150	0	55	0.44	0	66.1	46.0	44.9	19.4	19.4
1-2 AM	86	0.0	31	0.0	1500	86	0	31	0.43	0	66.2	46.2	45.1	19.6	19.6
2-3 AM	91	0.0	33	0.0	1500	91	0	33	0.43	0	66.2	46.2	45.1	19.6	19.6
3-4 AM	73	0.0	26	0.0	1500	73	0	26	0.43	0	66.3	46.3	45.2	19.7	19.7
4-5 AM	115	0.0	42	0.0	1500	115	0	42	0.43	0	66.2	46.1	45.0	19.6	19.6
5-6 AM	222	0.0	81	0.0	1500	222	0	81	0.44	0	66.0	45.7	44.6	19.3	19.3
6-7 AM	540	0.0	198	0.0	1500	540	0	198	0.47	0	65.4	44.5	43.3	18.3	18.3
7-8 AM	794	0.0	290	0.0	1500	794	0	290	0.50	0	64.9	43.5	42.4	17.6	17.6
8-9 AM	728	0.0	267	0.0	1500	728	0	267	0.49	0	65.0	43.8	42.7	17.8	17.8
9-10 AM	757	0.0	277	0.0	1500	757	0	277	0.50	0	65.0	43.7	42.5	17.7	17.7
10-11 AM	883	0.0	323	0.0	1500	883	0	323	0.51	0	64.8	43.2	42.1	17.3	17.3
11A-NOON	1049	0.0	383	0.0	1500	1049	0	383	0.52	0	64.5	42.6	41.5	16.8	16.8
NOON-1PM	1245	0.0	456	0.0	1500	1245	0	456	0.69	0	64.1	38.3	37.1	16.3	16.3
1-2 PM	1242	0.0	454	0.0	1500	1242	0	454	0.69	0	64.1	38.3	37.1	16.3	16.3
2-3 PM	1377	0.0	503	0.0	1499	1377	0	503	0.86	0	63.8	34.8	33.6	15.9	15.9
3-4 PM	1636	0.0	598	0.0	1499	1636	0	598	2.68	53	63.3	19.2	30.8	15.2	16.1
4-5 PM	1820	0.0	666	0.0	1499	1504	316	981	6.01	134	63.0	12.0	30.8	14.7	14.3
5-6 PM	1808	0.0	661	0.0	1500	1479	329	990	6.05	136	63.0	11.9	30.8	14.7	14.3
6-7 PM	1250	0.0	458	0.0	1499	1238	12	470	1.47	37	64.1	27.6	36.2	16.3	16.8
7-8 PM	954	0.0	349	0.0	1500	954	0	349	0.51	0	64.6	43.0	41.9	17.1	17.1
8-9 PM	860	0.0	314	0.0	1500	860	0	314	0.51	0	64.8	43.3	42.2	17.4	17.4
9-10 PM	727	0.0	266	0.0	1500	727	0	266	0.49	0	65.0	43.8	42.7	17.8	17.8
10-11 PM	491	0.0	180	0.0	1500	491	0	180	0.47	0	65.5	44.6	43.5	18.4	18.4
11PM-MID	350	0.0	128	0.0	1500	350	0	128	0.46	0	65.7	45.2	44.1	18.9	18.9

----- 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	0.0034
MAIN ROUTE WITH WORKS	0.0020
DIVERSION	0.0125

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$8,132
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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FRIDAY NORTHBOUND DIRECTION

