

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

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	71	0.0	25	0.0	1500	71	0	25	0.43	0	66.3	46.3	45.2	19.7	19.7
1-2 AM	51	0.0	18	0.0	1500	51	0	18	0.43	0	66.3	46.4	45.3	19.7	19.7
2-3 AM	63	0.0	23	0.0	1500	63	0	23	0.43	0	66.3	46.3	45.3	19.7	19.7
3-4 AM	92	0.0	33	0.0	1500	92	0	33	0.43	0	66.2	46.2	45.1	19.6	19.6
4-5 AM	212	0.0	78	0.0	1500	212	0	78	0.44	0	66.0	45.7	44.6	19.3	19.3
5-6 AM	657	0.0	240	0.0	1500	657	0	240	0.49	0	65.1	44.0	42.9	18.0	18.0
6-7 AM	1452	0.0	531	0.0	1499	1452	0	531	1.26	16	63.7	29.2	33.5	15.7	15.9
7-8 AM	2098	0.0	767	0.0	1500	1628	471	1238	7.37	175	62.5	10.8	30.8	13.8	12.7
8-9 AM	1269	0.0	464	0.0	1499	1190	80	543	1.91	60	64.0	24.5	36.9	16.2	16.7
9-10 AM	959	0.0	350	0.0	1500	959	0	350	0.52	0	64.6	42.9	41.8	17.1	17.1
10-11 AM	923	0.0	338	0.0	1500	923	0	338	0.51	0	64.6	43.0	41.9	17.2	17.2
11A-NOON	995	0.0	364	0.0	1500	995	0	364	0.52	0	64.5	42.8	41.7	17.0	17.0
NOON-1PM	1090	0.0	399	0.0	1500	1090	0	399	0.53	0	64.3	42.5	41.4	16.7	16.7
1-2 PM	1043	0.0	381	0.0	1500	1043	0	381	0.52	0	64.5	42.7	41.5	16.9	16.9
2-3 PM	1103	0.0	403	0.0	1500	1103	0	403	0.53	0	64.3	42.4	41.3	16.7	16.7
3-4 PM	1164	0.0	425	0.0	1500	1164	0	425	0.59	0	64.2	40.8	39.6	16.5	16.5
4-5 PM	1257	0.0	460	0.0	1500	1257	0	460	0.71	0	64.0	37.9	36.7	16.3	16.3
5-6 PM	1223	0.0	447	0.0	1500	1223	0	447	0.67	0	64.1	38.9	37.8	16.3	16.3
6-7 PM	935	0.0	342	0.0	1500	935	0	342	0.51	0	64.6	43.0	41.9	17.2	17.2
7-8 PM	651	0.0	238	0.0	1500	651	0	238	0.49	0	65.1	44.0	42.9	18.0	18.0
8-9 PM	536	0.0	196	0.0	1500	536	0	196	0.47	0	65.4	44.5	43.3	18.3	18.3
9-10 PM	377	0.0	138	0.0	1500	377	0	138	0.46	0	65.7	45.1	44.0	18.8	18.8
10-11 PM	251	0.0	91	0.0	1500	251	0	91	0.45	0	65.9	45.6	44.5	19.1	19.1
11PM-MID	114	0.0	42	0.0	1500	114	0	42	0.43	0	66.2	46.1	45.0	19.6	19.6

----- 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	0.0033
MAIN ROUTE WITH WORKS	0.0020
DIVERSION	0.0120

PIA: Personal Injury Accidents

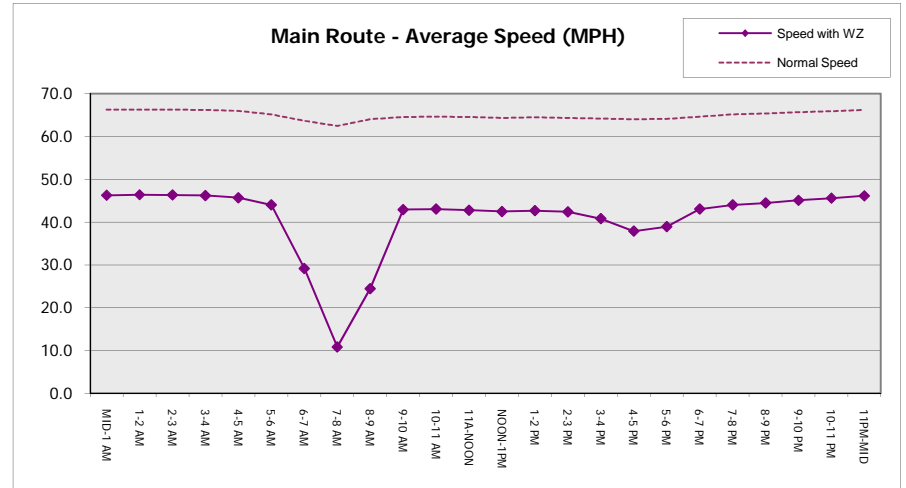
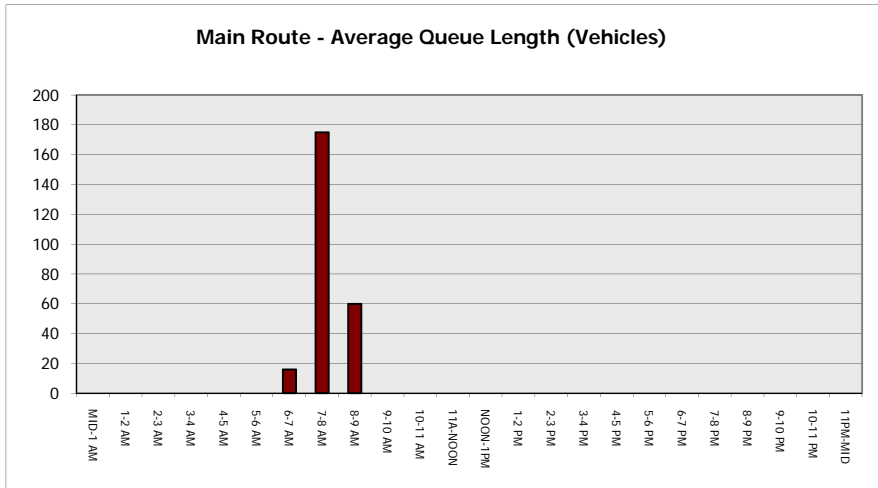
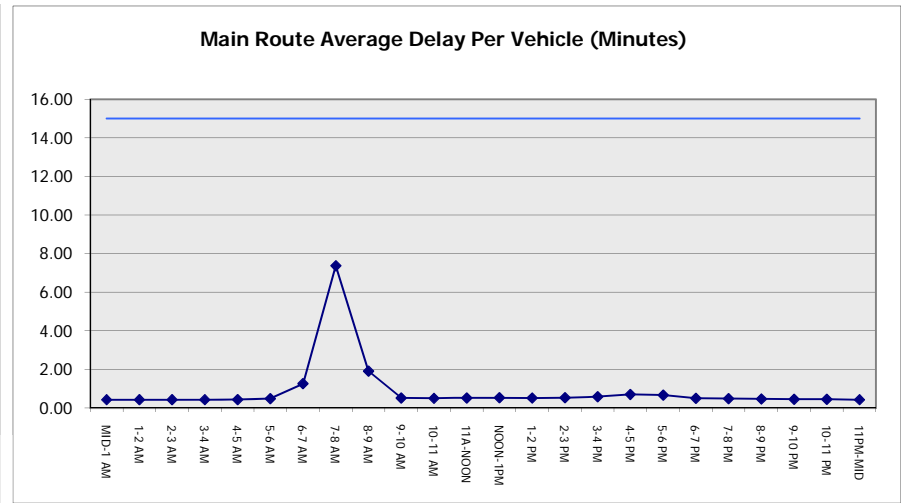
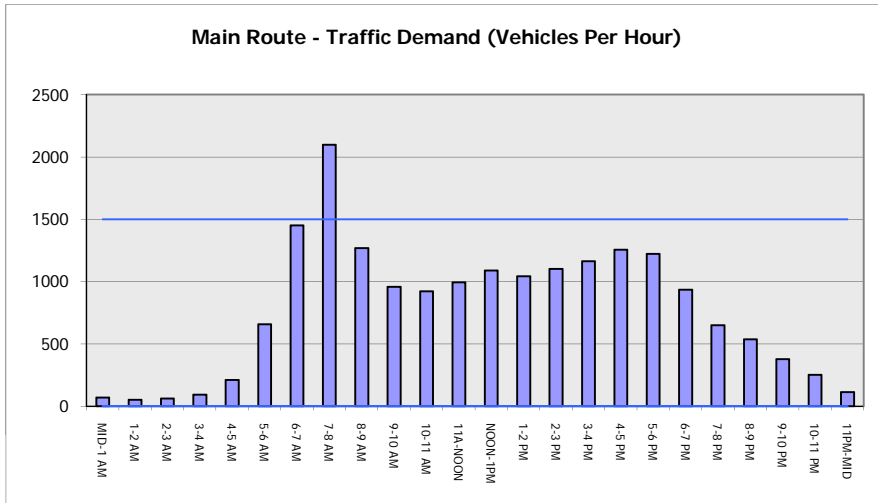
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$6,141
CONGESTED HOURS PER DAY*	0

*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
MON-THUR SOUTHBOUND DIRECTION



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

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	109	0.0	40	0.0	1500	109	0	40	0.43	0	66.2	46.1	45.1	19.6	19.6
1-2 AM	70	0.0	25	0.0	1500	70	0	25	0.43	0	66.3	46.3	45.2	19.7	19.7
2-3 AM	79	0.0	29	0.0	1500	79	0	29	0.43	0	66.3	46.3	45.1	19.6	19.6
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	125	0.0	46	0.0	1500	125	0	46	0.43	0	66.1	46.1	45.0	19.5	19.5
5-6 AM	259	0.0	94	0.0	1500	259	0	94	0.45	0	65.9	45.5	44.5	19.1	19.1
6-7 AM	560	0.0	205	0.0	1500	560	0	205	0.48	0	65.3	44.4	43.3	18.3	18.3
7-8 AM	802	0.0	293	0.0	1500	802	0	293	0.50	0	64.9	43.5	42.4	17.6	17.6
8-9 AM	670	0.0	244	0.0	1500	670	0	244	0.49	0	65.1	44.0	42.8	17.9	17.9
9-10 AM	683	0.0	250	0.0	1500	683	0	250	0.49	0	65.1	43.9	42.8	17.9	17.9
10-11 AM	768	0.0	281	0.0	1500	768	0	281	0.50	0	65.0	43.6	42.5	17.6	17.6
11A-NOON	897	0.0	328	0.0	1500	897	0	328	0.51	0	64.7	43.2	42.0	17.3	17.3
NOON-1PM	1015	0.0	371	0.0	1500	1015	0	371	0.52	0	64.5	42.7	41.6	17.0	17.0
1-2 PM	1043	0.0	381	0.0	1500	1043	0	381	0.52	0	64.5	42.7	41.5	16.9	16.9
2-3 PM	1175	0.0	429	0.0	1499	1175	0	429	0.60	0	64.2	40.5	39.3	16.5	16.5
3-4 PM	1523	0.0	557	0.0	1499	1523	0	557	1.38	14	63.5	27.6	31.5	15.5	15.6
4-5 PM	1908	0.0	698	0.0	1500	1602	306	1004	6.05	138	62.8	12.0	30.8	14.4	14.2
5-6 PM	1823	0.0	667	0.0	1500	1456	367	1034	6.27	142	63.0	11.7	30.9	14.7	14.0
6-7 PM	1102	0.0	403	0.0	1500	1095	7	410	1.01	21	64.3	33.2	38.9	16.7	17.0
7-8 PM	841	0.0	307	0.0	1500	841	0	307	0.50	0	64.8	43.3	42.2	17.5	17.5
8-9 PM	761	0.0	278	0.0	1500	761	0	278	0.50	0	65.0	43.7	42.5	17.7	17.7
9-10 PM	565	0.0	207	0.0	1500	565	0	207	0.48	0	65.3	44.3	43.3	18.3	18.3
10-11 PM	347	0.0	127	0.0	1500	347	0	127	0.46	0	65.8	45.2	44.1	18.9	18.9
11PM-MID	220	0.0	80	0.0	1500	220	0	80	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	0.0115

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$7,169
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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MON-THUR NORTHBOUND DIRECTION

