

IH 90: USH 53 TO STH 16 (LA CROSSE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: USH 53 - STH 157 - STH 35	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY WESTBOUND 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	309	0.0	98	0.0	1500	309	0	98	0.45	0	65.8	49.4	44.3	38.1	38.1
1-2 AM	240	0.0	76	0.0	1500	240	0	76	0.45	0	66.0	49.7	44.5	38.5	38.5
2-3 AM	221	0.0	70	0.0	1500	221	0	70	0.44	0	66.0	49.7	44.6	38.6	38.6
3-4 AM	225	0.0	72	0.0	1500	225	0	72	0.44	0	66.0	49.7	44.6	38.6	38.6
4-5 AM	212	0.0	67	0.0	1500	212	0	67	0.44	0	66.0	49.8	44.6	38.7	38.7
5-6 AM	266	0.0	84	0.0	1500	266	0	84	0.45	0	65.9	49.6	44.4	38.4	38.4
6-7 AM	384	0.0	122	0.0	1500	384	0	122	0.46	0	65.6	49.1	44.0	37.8	37.8
7-8 AM	591	0.0	188	0.0	1500	591	0	188	0.48	0	65.3	48.4	43.2	36.7	36.7
8-9 AM	903	0.0	287	0.0	1499	903	0	287	0.51	0	64.7	47.3	42.0	35.1	35.1
9-10 AM	1396	0.0	443	0.0	1499	1396	0	443	0.89	0	63.8	39.1	33.3	32.6	32.6
10-11 AM	1753	0.0	557	0.0	1500	1643	110	667	4.03	89	63.1	17.1	30.8	30.7	29.2
11A-NOON	1816	0.0	576	0.0	1499	1497	319	896	6.24	141	63.0	12.9	30.8	30.4	26.0
NOON-1PM	1765	0.0	561	0.0	1499	1485	280	841	5.98	134	63.1	13.3	30.8	30.7	26.8
1-2 PM	1586	0.0	503	0.0	1499	1475	111	614	5.06	109	63.4	14.6	30.8	31.6	30.1
2-3 PM	1512	0.0	480	0.0	1500	1490	22	502	4.65	97	63.6	15.3	30.8	32.0	31.9
3-4 PM	1383	0.0	439	0.0	1499	1383	0	439	2.11	41	63.8	25.5	32.1	32.7	32.7
4-5 PM	1321	0.0	419	0.0	1500	1321	0	419	0.79	0	63.9	40.9	35.0	33.0	33.0
5-6 PM	1187	0.0	377	0.0	1500	1187	0	377	0.62	0	64.1	44.5	38.9	33.7	33.7
6-7 PM	1014	0.0	322	0.0	1500	1014	0	322	0.52	0	64.5	46.9	41.6	34.5	34.5
7-8 PM	844	0.0	268	0.0	1500	844	0	268	0.50	0	64.8	47.5	42.2	35.4	35.4
8-9 PM	690	0.0	219	0.0	1500	690	0	219	0.49	0	65.1	48.1	42.8	36.2	36.2
9-10 PM	601	0.0	191	0.0	1500	601	0	191	0.48	0	65.3	48.4	43.1	36.6	36.6
10-11 PM	486	0.0	154	0.0	1500	486	0	154	0.47	0	65.5	48.7	43.5	37.3	37.3
11PM-MID	323	0.0	102	0.0	1500	323	0	102	0.45	0	65.8	49.4	44.2	38.1	38.1

----- 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	0.0050
MAIN ROUTE WITH WORKS	0.0035
DIVERSION	0.0280

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$15,831
CONGESTED HOURS PER DAY*	0

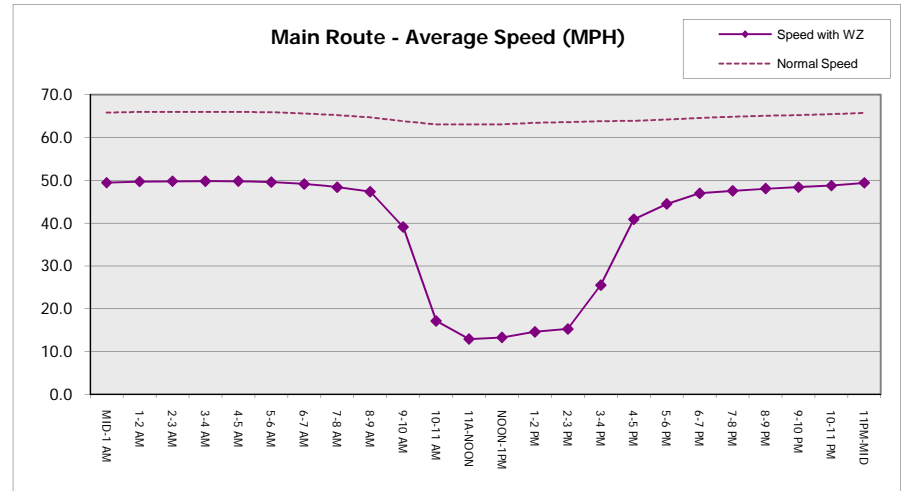
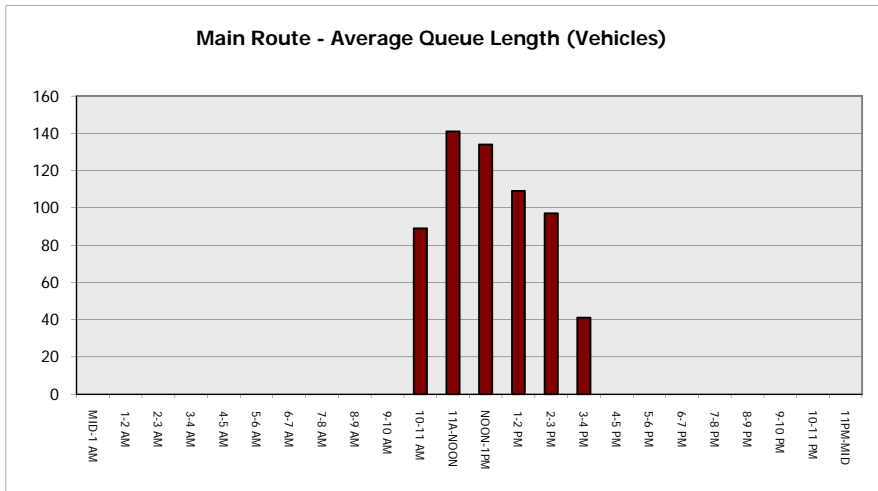
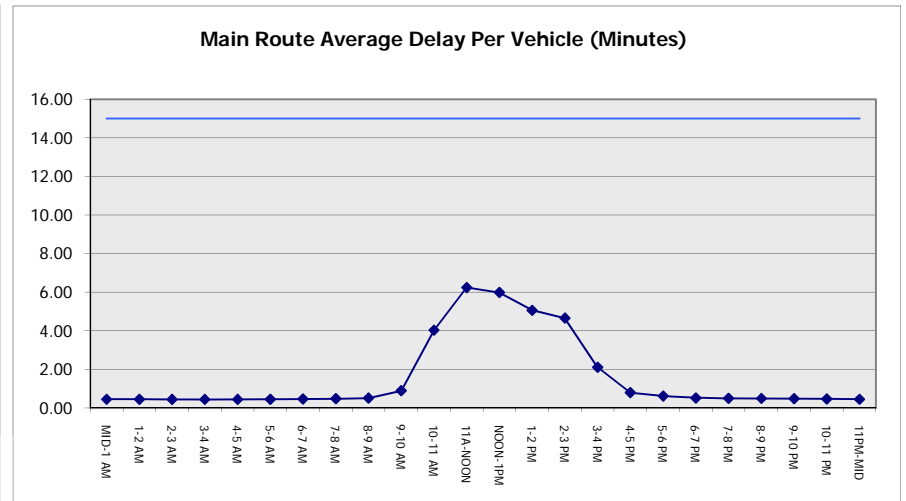
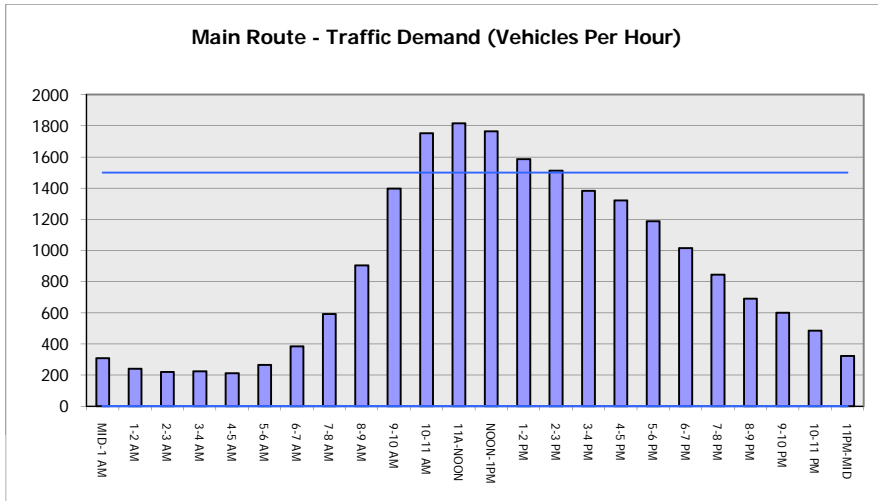
*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: USH 53 - STH 157 - STH 35

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION



IH 90: USH 53 TO STH 16 (LA CROSSE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: USH 53 - STH 157 - STH 35	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY EASTBOUND 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	277	0.0	88	0.0	1500	277	0	88	0.45	0	65.9	49.6	44.4	38.3	38.3
1-2 AM	181	0.0	58	0.0	1500	181	0	58	0.44	0	66.1	49.9	44.8	38.8	38.8
2-3 AM	169	0.0	54	0.0	1500	169	0	54	0.44	0	66.1	49.9	44.8	38.9	38.9
3-4 AM	201	0.0	64	0.0	1500	201	0	64	0.44	0	66.0	49.8	44.6	38.7	38.7
4-5 AM	203	0.0	64	0.0	1500	203	0	64	0.44	0	66.0	49.8	44.6	38.7	38.7
5-6 AM	264	0.0	84	0.0	1500	264	0	84	0.45	0	65.9	49.6	44.4	38.4	38.4
6-7 AM	460	0.0	146	0.0	1500	460	0	146	0.47	0	65.5	48.9	43.7	37.4	37.4
7-8 AM	636	0.0	202	0.0	1500	636	0	202	0.48	0	65.2	48.3	43.0	36.5	36.5
8-9 AM	1091	0.0	346	0.0	1499	1091	0	346	0.57	0	64.3	45.6	40.1	34.2	34.2
9-10 AM	1490	0.0	473	0.0	1499	1490	0	473	1.26	10	63.6	33.6	31.9	32.1	32.1
10-11 AM	1814	0.0	576	0.0	1500	1604	210	786	5.64	128	63.0	13.8	30.8	30.4	27.6
11A-NOON	1738	0.0	552	0.0	1500	1479	259	811	5.85	130	63.2	13.4	30.8	30.9	27.2
NOON-1PM	1626	0.0	516	0.0	1499	1486	141	657	5.21	113	63.3	14.3	30.8	31.4	29.5
1-2 PM	1605	0.0	509	0.0	1500	1495	110	619	5.07	109	63.4	14.5	30.8	31.5	30.1
2-3 PM	1425	0.0	452	0.0	1499	1420	4	457	3.52	70	63.7	18.4	31.2	32.4	32.4
3-4 PM	1331	0.0	423	0.0	1500	1331	0	423	0.87	2	63.9	39.4	34.6	32.9	32.9
4-5 PM	1221	0.0	388	0.0	1500	1221	0	388	0.66	0	64.1	43.5	37.8	33.5	33.5
5-6 PM	1161	0.0	368	0.0	1500	1161	0	368	0.59	0	64.2	45.3	39.7	33.8	33.8
6-7 PM	988	0.0	313	0.0	1500	988	0	313	0.52	0	64.5	47.0	41.7	34.7	34.7
7-8 PM	827	0.0	263	0.0	1500	827	0	263	0.50	0	64.8	47.6	42.3	35.5	35.5
8-9 PM	689	0.0	219	0.0	1500	689	0	219	0.49	0	65.1	48.1	42.8	36.2	36.2
9-10 PM	578	0.0	184	0.0	1500	578	0	184	0.48	0	65.3	48.4	43.2	36.8	36.8
10-11 PM	409	0.0	130	0.0	1500	409	0	130	0.46	0	65.6	49.1	43.8	37.6	37.6
11PM-MID	252	0.0	80	0.0	1500	252	0	80	0.45	0	65.9	49.6	44.5	38.4	38.4

----- 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	0.0049
MAIN ROUTE WITH WORKS	0.0034
DIVERSION	0.0271

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$14,835
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: USH 53 - STH 157 - STH 35**

AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

