

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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		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	213	0.0	68	0.0	1500	213	0	68	0.44	0	66.0	49.8	44.6	38.6	38.6
1-2 AM	134	0.0	43	0.0	1500	134	0	43	0.44	0	66.1	50.1	45.0	39.1	39.1
2-3 AM	117	0.0	38	0.0	1500	117	0	38	0.43	0	66.1	50.1	45.0	39.1	39.1
3-4 AM	88	0.0	28	0.0	1500	88	0	28	0.43	0	66.2	50.2	45.1	39.3	39.3
4-5 AM	91	0.0	29	0.0	1500	91	0	29	0.43	0	66.2	50.2	45.1	39.2	39.2
5-6 AM	117	0.0	38	0.0	1500	117	0	38	0.43	0	66.1	50.1	45.0	39.1	39.1
6-7 AM	148	0.0	47	0.0	1500	148	0	47	0.44	0	66.1	50.1	44.9	39.0	39.0
7-8 AM	226	0.0	72	0.0	1500	226	0	72	0.44	0	66.0	49.7	44.6	38.6	38.6
8-9 AM	445	0.0	141	0.0	1500	445	0	141	0.47	0	65.6	48.9	43.7	37.4	37.4
9-10 AM	751	0.0	238	0.0	1500	751	0	238	0.50	0	65.0	47.8	42.6	35.9	35.9
10-11 AM	1107	0.0	351	0.0	1499	1107	0	351	0.57	0	64.3	45.6	40.1	34.1	34.1
11A-NOON	1444	0.0	459	0.0	1499	1444	0	459	0.97	0	63.7	37.8	32.1	32.4	32.4
NOON-1PM	1604	0.0	509	0.0	1500	1604	0	509	2.48	45	63.4	23.0	30.8	31.5	31.5
1-2 PM	1739	0.0	552	0.0	1499	1530	209	761	5.63	124	63.2	13.7	30.8	30.8	27.9
2-3 PM	1960	0.0	623	0.0	1500	1542	418	1041	7.05	163	62.7	12.1	30.8	29.7	23.8
3-4 PM	2017	0.0	640	0.0	1499	1509	508	1148	7.76	182	62.6	11.5	30.8	29.4	22.2
4-5 PM	2078	0.0	660	0.0	1500	1512	566	1225	8.34	198	62.5	11.1	30.8	29.1	21.2
5-6 PM	1990	0.0	632	0.0	1499	1465	525	1157	7.82	184	62.7	11.5	30.8	29.6	22.2
6-7 PM	1664	0.0	529	0.0	1499	1439	225	754	5.61	124	63.3	13.8	30.8	31.2	28.1
7-8 PM	1372	0.0	435	0.0	1499	1368	4	439	2.56	57	63.8	22.8	32.6	32.7	32.7
8-9 PM	1028	0.0	327	0.0	1500	1028	0	327	0.52	0	64.5	46.9	41.6	34.5	34.5
9-10 PM	737	0.0	234	0.0	1500	737	0	234	0.49	0	65.0	47.9	42.6	36.0	36.0
10-11 PM	426	0.0	135	0.0	1500	426	0	135	0.46	0	65.6	49.0	43.8	37.6	37.6
11PM-MID	277	0.0	88	0.0	1500	277	0	88	0.45	0	65.9	49.6	44.4	38.3	38.3

----- 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	0.0052
MAIN ROUTE WITH WORKS	0.0033
DIVERSION	0.0349

PIA: Personal Injury Accidents

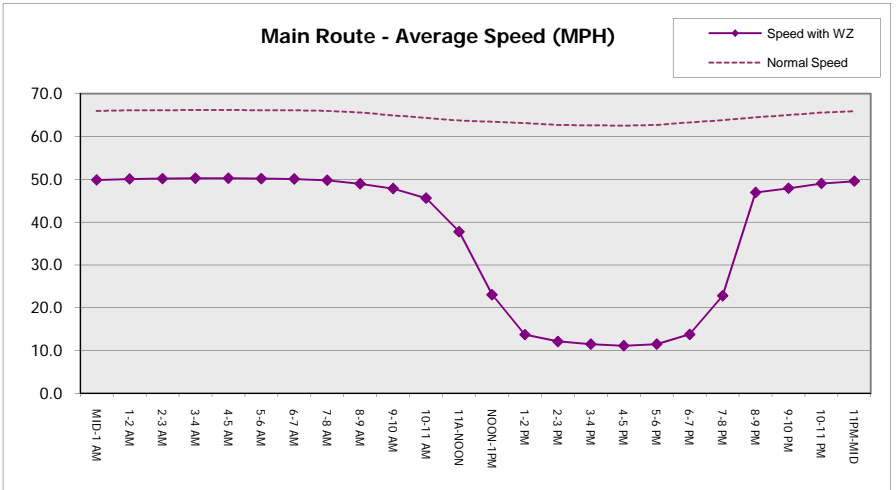
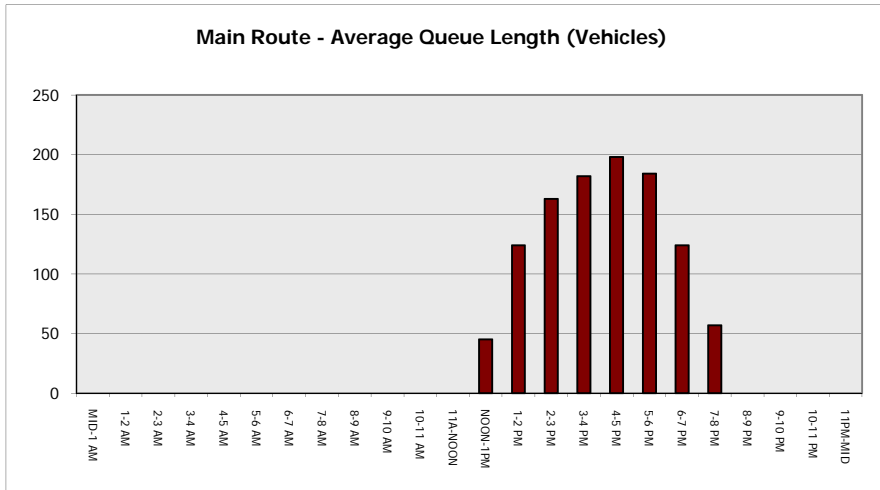
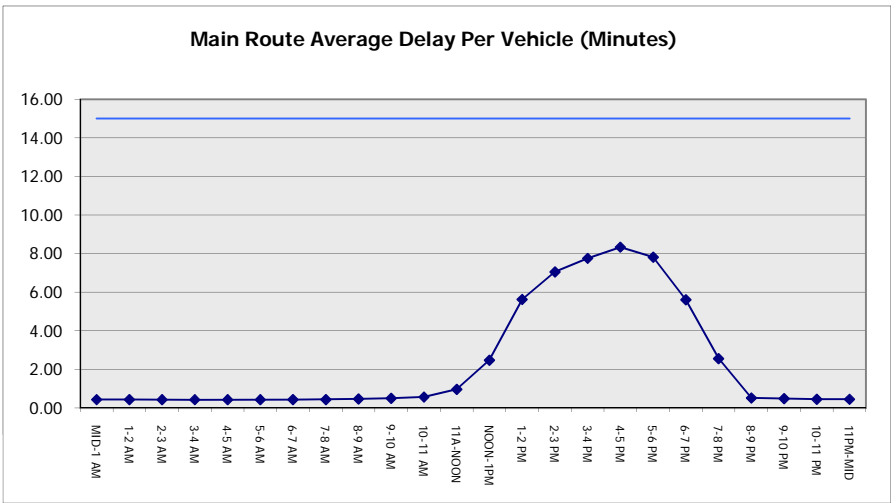
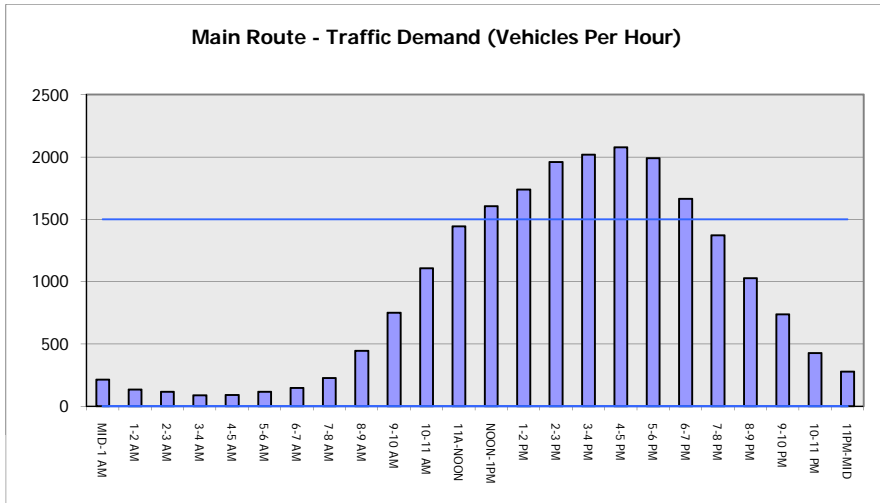
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$29,714
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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		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	151	0.0	48	0.0	1500	151	0	48	0.44	0	66.1	50.0	44.9	39.0	39.0
1-2 AM	92	0.0	29	0.0	1500	92	0	29	0.43	0	66.2	50.2	45.1	39.2	39.2
2-3 AM	95	0.0	30	0.0	1500	95	0	30	0.43	0	66.2	50.2	45.1	39.2	39.2
3-4 AM	167	0.0	54	0.0	1500	167	0	54	0.44	0	66.1	49.9	44.8	38.9	38.9
4-5 AM	142	0.0	45	0.0	1500	142	0	45	0.44	0	66.1	50.1	44.9	39.0	39.0
5-6 AM	163	0.0	52	0.0	1500	163	0	52	0.44	0	66.1	50.0	44.8	38.9	38.9
6-7 AM	233	0.0	74	0.0	1500	233	0	74	0.45	0	66.0	49.7	44.5	38.6	38.6
7-8 AM	408	0.0	130	0.0	1500	408	0	130	0.46	0	65.6	49.1	43.8	37.6	37.6
8-9 AM	562	0.0	179	0.0	1500	562	0	179	0.48	0	65.3	48.5	43.3	36.9	36.9
9-10 AM	992	0.0	316	0.0	1499	992	0	316	0.52	0	64.5	47.0	41.7	34.7	34.7
10-11 AM	1430	0.0	454	0.0	1499	1430	0	454	0.98	1	63.7	37.6	32.5	32.4	32.4
11A-NOON	1670	0.0	531	0.0	1500	1635	35	566	3.37	71	63.3	19.2	30.8	31.2	30.7
NOON-1PM	1824	0.0	579	0.0	1499	1506	318	897	6.25	141	63.0	12.9	30.8	30.4	25.9
1-2 PM	1899	0.0	603	0.0	1499	1516	383	986	6.72	154	62.8	12.4	30.8	30.0	24.6
2-3 PM	2099	0.0	667	0.0	1500	1547	552	1218	8.29	197	62.5	11.1	30.8	29.0	21.2
3-4 PM	2050	0.0	650	0.0	1499	1478	572	1222	8.32	197	62.6	11.1	30.8	29.2	21.2
4-5 PM	2010	0.0	638	0.0	1500	1480	530	1168	7.90	186	62.7	11.4	30.8	29.4	22.0
5-6 PM	1656	0.0	526	0.0	1499	1430	226	752	5.60	125	63.3	13.8	30.9	31.2	28.1
6-7 PM	1250	0.0	397	0.0	1499	1250	0	397	1.38	30	64.0	32.3	36.0	33.3	33.3
7-8 PM	953	0.0	302	0.0	1500	953	0	302	0.51	0	64.6	47.1	41.9	34.8	34.8
8-9 PM	710	0.0	225	0.0	1500	710	0	225	0.49	0	65.1	48.0	42.7	36.1	36.1
9-10 PM	436	0.0	139	0.0	1500	436	0	139	0.46	0	65.6	48.9	43.8	37.5	37.5
10-11 PM	295	0.0	93	0.0	1500	295	0	93	0.45	0	65.8	49.5	44.3	38.3	38.3
11PM-MID	220	0.0	70	0.0	1500	220	0	70	0.44	0	66.0	49.7	44.6	38.6	38.6

----- 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	0.0051
MAIN ROUTE WITH WORKS	0.0033
DIVERSION	0.0352

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$30,324
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

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

