

IH 94: STH 67 TO CTH C (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 67 - USH 18 - CTH C	AUGUST
	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		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	564	0.0	64	0.0	1500	564	0	64	0.48	0	65.3	57.1	43.3	29.2	29.2
1-2 AM	273	0.0	30	0.0	1500	273	0	30	0.45	0	65.9	57.9	44.4	29.5	29.5
2-3 AM	177	0.0	20	0.0	1500	177	0	20	0.44	0	66.1	58.2	44.8	29.6	29.6
3-4 AM	119	0.0	14	0.0	1500	119	0	14	0.43	0	66.1	58.4	45.0	29.7	29.7
4-5 AM	111	0.0	13	0.0	1500	111	0	13	0.43	0	66.2	58.4	45.0	29.7	29.7
5-6 AM	206	0.0	23	0.0	1500	206	0	23	0.44	0	66.0	58.1	44.6	29.6	29.6
6-7 AM	458	0.0	51	0.0	1500	458	0	51	0.47	0	65.5	57.4	43.7	29.3	29.3
7-8 AM	785	0.0	89	0.0	1500	785	0	89	0.50	0	64.9	56.4	42.5	28.9	28.9
8-9 AM	1274	0.0	143	0.0	1499	1274	0	143	0.73	0	64.0	52.7	36.5	28.4	28.4
9-10 AM	1642	0.0	185	0.0	1499	1642	0	185	2.33	43	63.3	37.6	30.8	28.1	28.1
10-11 AM	2156	0.0	243	0.0	1500	1960	196	439	14.73	405	62.3	12.4	30.8	27.5	25.8
11A-NOON	2467	0.0	278	0.0	1499	1639	829	1107	26.08	681	61.2	8.7	30.8	27.1	20.2
NOON-1PM	2527	0.0	285	0.0	1499	1525	1002	1287+	28.98	759	60.6	8.3	30.8	27.1	18.7
1-2 PM	2359	0.0	266	0.0	1499	1428	931	1197	27.53	718	62.0	8.5	30.8	27.3	19.4
2-3 PM	2555	0.0	288	0.0	1500	1586	969	1257+	28.43	745	60.3	8.4	30.8	27.1	18.9
3-4 PM	2420	0.0	273	0.0	1499	1435	986	1259+	28.57	746	61.7	8.4	30.8	27.2	18.9
4-5 PM	2318	0.0	262	0.0	1500	1443	875	1137	26.57	692	62.0	8.6	30.8	27.3	19.9
5-6 PM	1969	0.0	222	0.0	1499	1365	604	826	22.48	581	62.7	9.3	30.8	27.7	22.5
6-7 PM	1645	0.0	185	0.0	1500	1418	227	413	18.45	470	63.3	10.2	30.8	28.1	26.1
7-8 PM	1463	0.0	165	0.0	1500	1437	26	192	16.44	416	63.7	10.9	30.8	28.3	28.0
8-9 PM	1133	0.0	128	0.0	1499	1133	0	128	7.18	207	64.3	20.5	33.8	28.6	28.6
9-10 PM	990	0.0	112	0.0	1500	990	0	112	0.52	0	64.5	55.8	41.7	28.8	28.8
10-11 PM	645	0.0	72	0.0	1500	645	0	72	0.48	0	65.2	56.9	43.0	29.1	29.1
11PM-MID	419	0.0	47	0.0	1500	419	0	47	0.46	0	65.6	57.5	43.8	29.4	29.4

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0176
MAIN ROUTE WITH WORKS	0.0122
DIVERSION	0.1116

PIA: Personal Injury Accidents

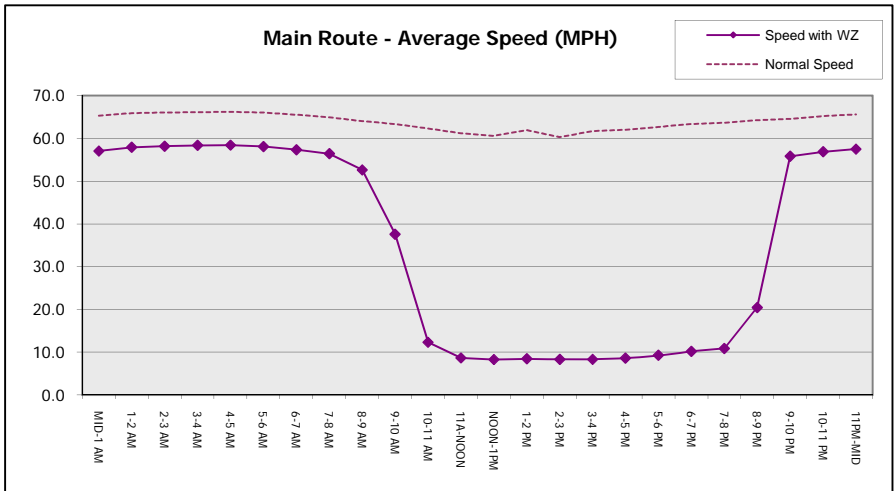
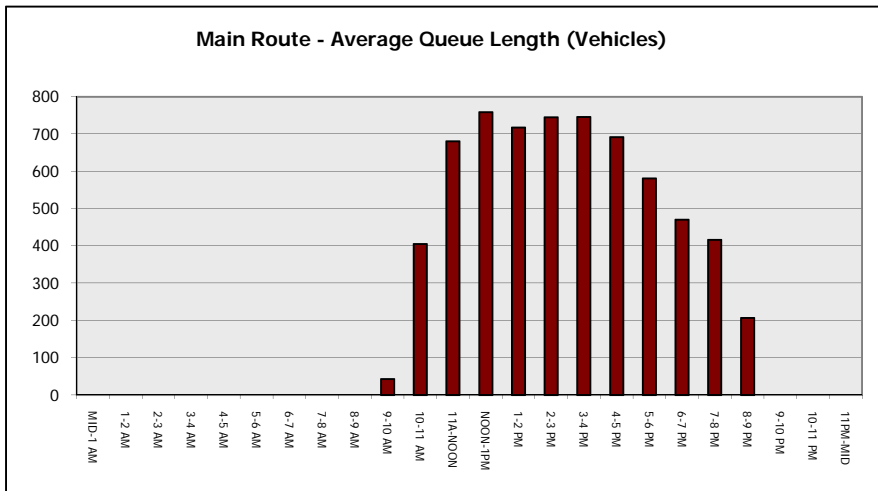
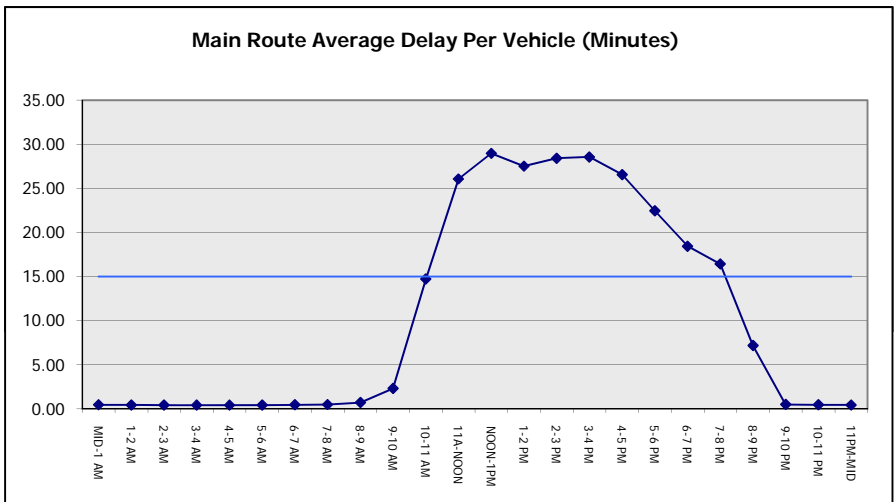
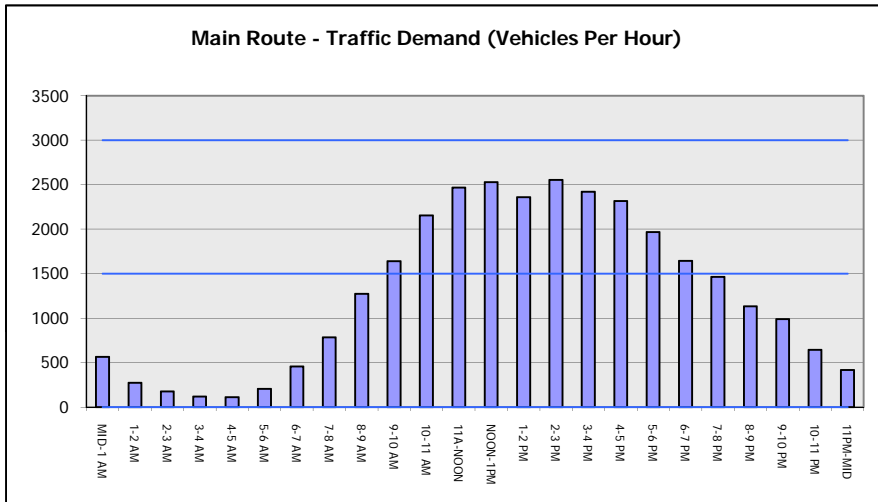
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$173,854
CONGESTED HOURS PER DAY*	9

*Delays Exceeding 15 Minutes

**IH 94: STH 67 TO CTH C (WAUKESHA COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 67 - USH 18 - CTH C**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 94: STH 67 TO CTH C (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 67 - USH 18 - CTH C	AUGUST
	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		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	698	0.0	78	0.0	1500	698	0	78	0.49	0	65.1	56.7	42.8	29.1	29.1
1-2 AM	444	0.0	50	0.0	1500	444	0	50	0.47	0	65.6	57.4	43.7	29.3	29.3
2-3 AM	256	0.0	29	0.0	1500	256	0	29	0.45	0	65.9	58.0	44.5	29.6	29.6
3-4 AM	166	0.0	19	0.0	1500	166	0	19	0.44	0	66.1	58.2	44.8	29.6	29.6
4-5 AM	205	0.0	23	0.0	1500	205	0	23	0.44	0	66.0	58.1	44.6	29.6	29.6
5-6 AM	203	0.0	23	0.0	1500	203	0	23	0.44	0	66.0	58.1	44.6	29.6	29.6
6-7 AM	320	0.0	37	0.0	1500	320	0	37	0.45	0	65.8	57.8	44.2	29.4	29.4
7-8 AM	476	0.0	53	0.0	1500	476	0	53	0.47	0	65.5	57.3	43.6	29.3	29.3
8-9 AM	860	0.0	97	0.0	1500	860	0	97	0.51	0	64.8	56.3	42.2	28.9	28.9
9-10 AM	1384	0.0	156	0.0	1499	1384	0	156	0.97	3	63.8	49.6	34.0	28.3	28.3
10-11 AM	2020	0.0	228	0.0	1500	2020	0	228	7.94	238	62.6	18.9	30.8	27.6	27.6
11A-NOON	2527	0.0	285	0.0	1499	1741	786	1070	25.56	669	60.6	8.8	30.8	27.1	20.5
NOON-1PM	2803	0.0	316	0.0	1500	1659	1145	1461+	32.32	857	57.8	7.9	30.8	26.8	17.3
1-2 PM	2882	0.0	325	0.0	1500	1577	1304	1630+	36.69	978	57.0	7.6	30.8	26.7	15.8
2-3 PM	2806	0.0	316	0.0	1500	1473	1334	1650+	37.39	994	57.8	7.5	30.8	26.8	15.6
3-4 PM	2891	0.0	325	0.0	1500	1551	1340	1665+	37.77	1007	56.9	7.5	30.8	26.7	15.5
4-5 PM	2956	0.0	334	0.0	1500	1506	1450	1784+	39.00	1043	56.2	7.4	30.8	26.6	15.2
5-6 PM	2862	0.0	322	0.0	1500	1469	1393	1715+	38.72	1032	57.2	7.5	30.8	26.8	15.3
6-7 PM	2501	0.0	282	0.0	1500	1276	1224	1506+	33.76	890	60.9	7.8	30.8	27.1	16.8
7-8 PM	2468	0.0	278	0.0	1500	1453	1016	1294+	29.16	763	61.2	8.3	30.8	27.1	18.6
8-9 PM	2270	0.0	256	0.0	1499	1384	886	1142	26.68	695	62.2	8.6	30.8	27.4	19.9
9-10 PM	1493	0.0	168	0.0	1500	1239	254	422	18.25	470	63.6	10.4	30.8	28.2	26.0
10-11 PM	989	0.0	112	0.0	1499	989	0	112	3.95	154	64.5	29.6	37.1	28.8	28.8
11PM-MID	494	0.0	55	0.0	1500	494	0	55	0.47	0	65.5	57.3	43.5	29.3	29.3

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0212
MAIN ROUTE WITH WORKS	0.0126
DIVERSION	0.1800

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$305,347
CONGESTED HOURS PER DAY*	11

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 67 - USH 18 - CTH C

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

