

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	298	0.0	177	0.0	OFF	298	0	177	0.00	0	70.2	70.2	70.2	38.8	38.8
1-2 AM	209	0.0	125	0.0	OFF	209	0	125	0.00	0	70.2	70.2	70.2	39.1	39.1
2-3 AM	176	0.0	105	0.0	OFF	176	0	105	0.00	0	70.2	70.2	70.2	39.2	39.2
3-4 AM	184	0.0	110	0.0	OFF	184	0	110	0.00	0	70.2	70.2	70.2	39.2	39.2
4-5 AM	339	0.0	202	0.0	OFF	339	0	202	0.00	0	70.2	70.2	70.2	38.7	38.7
5-6 AM	1197	0.0	710	0.0	OFF	1197	0	710	0.00	0	69.2	69.2	69.2	36.1	36.1
6-7 AM	3136	0.0	1863	0.0	OFF	3136	0	1863+	0.00	0	66.8	66.8	66.8	30.2	30.2
7-8 AM	4204	0.0	2497	0.0	OFF	4204	0	2497+	0.00	0	62.2	62.2	62.2	26.9	26.9
8-9 AM	3250	0.0	1930	0.0	OFF	3250	0	1930+	0.00	0	66.7	66.7	66.7	29.8	29.8
9-10 AM	2522	0.0	1497	0.0	OFF	2522	0	1497+	0.00	0	67.6	67.6	67.6	32.0	32.0
10-11 AM	2276	0.0	1352	0.0	3000	2276	0	1352+	0.33	0	67.9	53.6	49.7	32.8	32.8
11A-NOON	2308	0.0	1371	0.0	3000	2308	0	1371+	0.33	0	67.9	53.6	49.7	32.7	32.7
NOON-1PM	2408	0.0	1429	0.0	3000	2408	0	1429+	0.34	0	67.8	53.1	49.1	32.4	32.4
1-2 PM	2433	0.0	1445	0.0	3000	2433	0	1445+	0.36	0	67.7	52.5	48.5	32.3	32.3
2-3 PM	2514	0.0	1493	0.0	3000	2514	0	1493+	0.41	0	67.6	50.7	46.5	32.0	32.0
3-4 PM	2764	0.0	1642	0.0	OFF	2764	0	1642+	0.00	0	67.3	67.3	67.3	31.3	31.3
4-5 PM	3025	0.0	1797	0.0	OFF	3025	0	1797+	0.00	0	66.9	66.9	66.9	30.5	30.5
5-6 PM	2811	0.0	1669	0.0	OFF	2811	0	1669+	0.00	0	67.3	67.3	67.3	31.2	31.2
6-7 PM	1990	0.0	1181	0.0	OFF	1990	0	1181	0.00	0	68.2	68.2	68.2	33.7	33.7
7-8 PM	1488	0.0	884	0.0	OFF	1488	0	884	0.00	0	68.9	68.9	68.9	35.2	35.2
8-9 PM	1312	0.0	780	0.0	OFF	1312	0	780	0.00	0	69.1	69.1	69.1	35.7	35.7
9-10 PM	1124	0.0	668	0.0	OFF	1124	0	668	0.00	0	69.4	69.4	69.4	36.3	36.3
10-11 PM	850	0.0	504	0.0	OFF	850	0	504	0.00	0	69.7	69.7	69.7	37.1	37.1
11PM-MID	556	0.0	330	0.0	OFF	556	0	330	0.00	0	70.0	70.0	70.0	38.1	38.1

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0097
MAIN ROUTE WITH WORKS	0.0089
DIVERSION	0.0398

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$864
CONGESTED HOURS PER DAY*	0

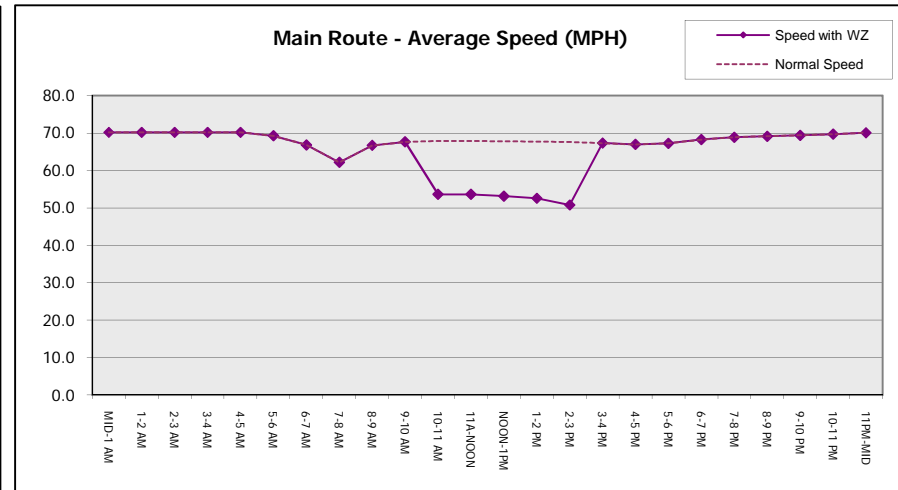
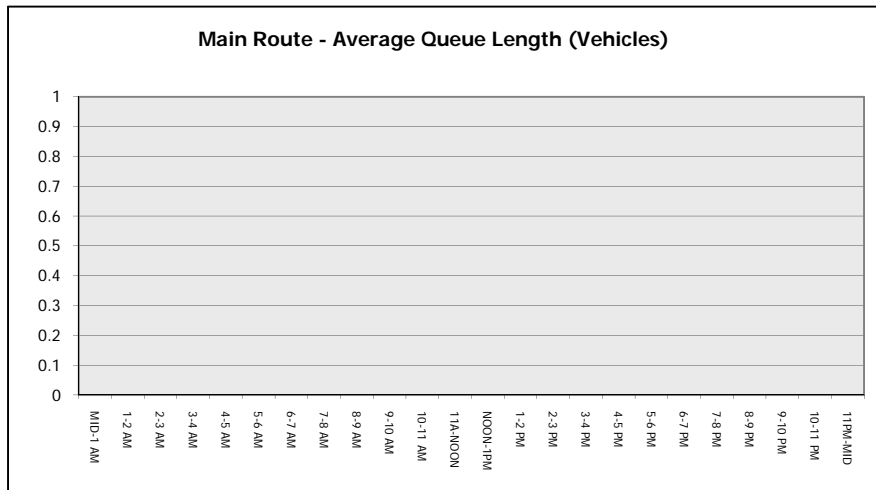
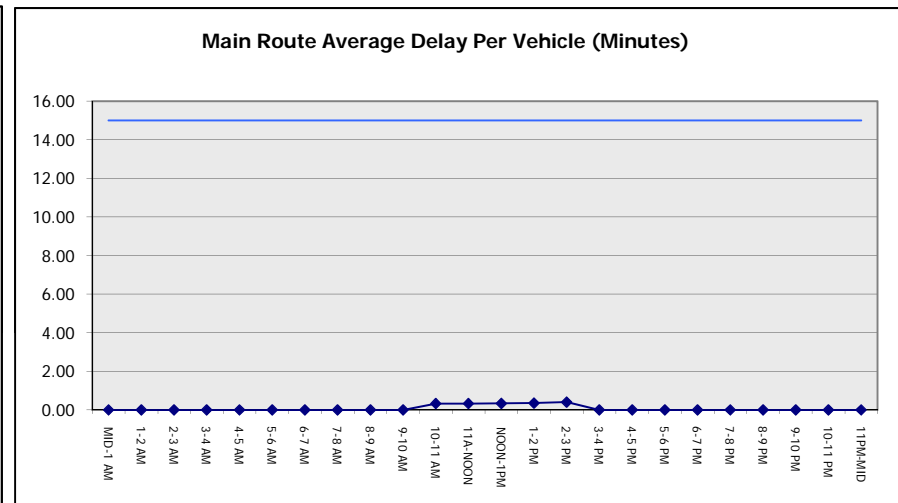
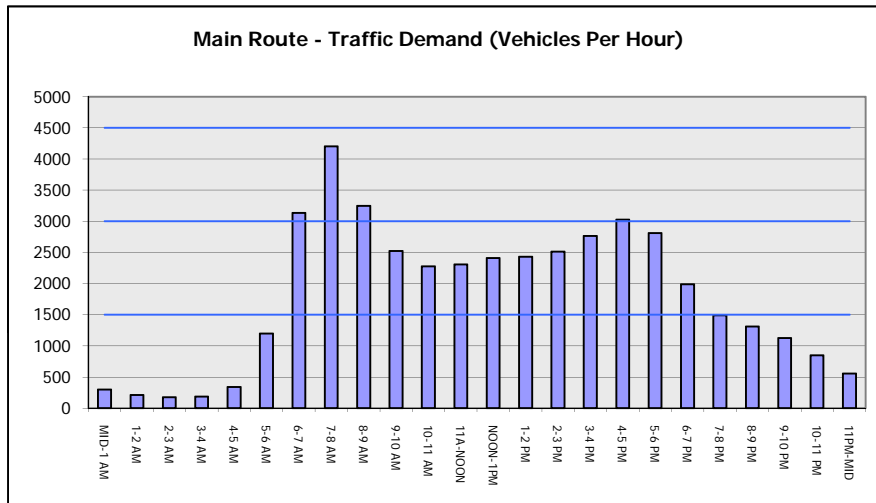
*Delays Exceeding 15 Minutes

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR WESTBOUND DIRECTION



USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	279	0.0	165	0.0	OFF	279	0	165	0.00	0	70.2	70.2	70.2	38.9	38.9
1-2 AM	180	0.0	107	0.0	OFF	180	0	107	0.00	0	70.2	70.2	70.2	39.2	39.2
2-3 AM	157	0.0	93	0.0	OFF	157	0	93	0.00	0	70.2	70.2	70.2	39.2	39.2
3-4 AM	154	0.0	91	0.0	OFF	154	0	91	0.00	0	70.2	70.2	70.2	39.2	39.2
4-5 AM	322	0.0	191	0.0	OFF	322	0	191	0.00	0	70.2	70.2	70.2	38.8	38.8
5-6 AM	878	0.0	521	0.0	OFF	878	0	521	0.00	0	69.6	69.6	69.6	37.1	37.1
6-7 AM	1990	0.0	1182	0.0	OFF	1990	0	1182	0.00	0	68.2	68.2	68.2	33.7	33.7
7-8 AM	2915	0.0	1731	0.0	OFF	2915	0	1731+	0.00	0	67.1	67.1	67.1	30.9	30.9
8-9 AM	2453	0.0	1457	0.0	OFF	2453	0	1457+	0.00	0	67.7	67.7	67.7	32.2	32.2
9-10 AM	2048	0.0	1216	0.0	OFF	2048	0	1216+	0.00	0	68.2	68.2	68.2	33.5	33.5
10-11 AM	2157	0.0	1281	0.0	3000	2157	0	1281+	0.33	0	68.1	53.6	49.7	33.2	33.2
11A-NOON	2430	0.0	1443	0.0	3000	2430	0	1443+	0.36	0	67.7	52.6	48.6	32.4	32.4
NOON-1PM	2513	0.0	1493	0.0	3000	2513	0	1493+	0.41	0	67.6	50.8	46.5	32.0	32.0
1-2 PM	2573	0.0	1528	0.0	2999	2573	0	1528+	0.45	0	67.6	49.6	45.1	31.9	31.9
2-3 PM	2991	0.0	1776	0.0	2999	2991	0	1776+	0.92	16	67.0	38.6	38.4	30.6	30.6
3-4 PM	3685	0.0	2188	0.0	OFF	3685	0	2188+	0.02	0	65.7	64.8	64.8	28.5	28.5
4-5 PM	4062	0.0	2412	0.0	OFF	4062	0	2412+	0.00	0	63.1	63.1	63.1	27.3	27.3
5-6 PM	3727	0.0	2213	0.0	OFF	3727	0	2213+	0.00	0	65.4	65.4	65.4	28.4	28.4
6-7 PM	2400	0.0	1425	0.0	OFF	2400	0	1425+	0.00	0	67.8	67.8	67.8	32.4	32.4
7-8 PM	1719	0.0	1021	0.0	OFF	1719	0	1021	0.00	0	68.6	68.6	68.6	34.5	34.5
8-9 PM	1513	0.0	899	0.0	OFF	1513	0	899	0.00	0	68.9	68.9	68.9	35.1	35.1
9-10 PM	1204	0.0	715	0.0	OFF	1204	0	715	0.00	0	69.2	69.2	69.2	36.1	36.1
10-11 PM	832	0.0	494	0.0	OFF	832	0	494	0.00	0	69.7	69.7	69.7	37.2	37.2
11PM-MID	507	0.0	301	0.0	OFF	507	0	301	0.00	0	70.1	70.1	70.1	38.2	38.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0097
MAIN ROUTE WITH WORKS	0.0089
DIVERSION	0.0400

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,345
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

