

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51	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		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	713	0.0	423	0.0	3000	713	0	423	0.36	0	69.9	53.9	49.7	37.6	37.6
1-2 AM	484	0.0	288	0.0	3000	484	0	288	0.36	0	70.1	54.0	49.7	38.3	38.3
2-3 AM	300	0.0	178	0.0	3000	300	0	178	0.36	0	70.2	54.0	49.7	38.8	38.8
3-4 AM	250	0.0	149	0.0	3000	250	0	149	0.36	0	70.2	54.0	49.7	39.0	39.0
4-5 AM	171	0.0	102	0.0	3000	171	0	102	0.36	0	70.2	54.0	49.7	39.2	39.2
5-6 AM	125	0.0	73	0.0	3000	125	0	73	0.36	0	70.2	54.0	49.7	39.4	39.4
6-7 AM	184	0.0	109	0.0	3000	184	0	109	0.36	0	70.2	54.0	49.7	39.2	39.2
7-8 AM	383	0.0	227	0.0	3000	383	0	227	0.36	0	70.2	54.0	49.7	38.6	38.6
8-9 AM	470	0.0	278	0.0	3000	470	0	278	0.36	0	70.2	54.0	49.7	38.3	38.3
9-10 AM	754	0.0	448	0.0	3000	754	0	448	0.35	0	69.8	53.9	49.7	37.4	37.4
10-11 AM	1266	0.0	752	0.0	3000	1266	0	752	0.35	0	69.2	53.8	49.7	35.9	35.9
11A-NOON	1747	0.0	1038	0.0	3000	1747	0	1038	0.34	0	68.6	53.7	49.7	34.4	34.4
NOON-1PM	2052	0.0	1218	0.0	3000	2052	0	1218+	0.33	0	68.2	53.7	49.7	33.5	33.5
1-2 PM	2236	0.0	1328	0.0	3000	2236	0	1328+	0.33	0	67.9	53.6	49.7	32.9	32.9
2-3 PM	2114	0.0	1256	0.0	3000	2114	0	1256+	0.33	0	68.1	53.6	49.7	33.3	33.3
3-4 PM	2138	0.0	1269	0.0	3000	2138	0	1269+	0.33	0	68.1	53.6	49.7	33.2	33.2
4-5 PM	2173	0.0	1290	0.0	3000	2173	0	1290+	0.33	0	68.1	53.6	49.7	33.1	33.1
5-6 PM	2126	0.0	1263	0.0	3000	2126	0	1263+	0.33	0	68.1	53.6	49.7	33.2	33.2
6-7 PM	2026	0.0	1202	0.0	3000	2026	0	1202+	0.33	0	68.2	53.7	49.7	33.5	33.5
7-8 PM	1872	0.0	1111	0.0	3000	1872	0	1111	0.34	0	68.4	53.7	49.7	34.0	34.0
8-9 PM	1536	0.0	912	0.0	3000	1536	0	912	0.34	0	68.8	53.7	49.7	35.0	35.0
9-10 PM	1234	0.0	732	0.0	3000	1234	0	732	0.35	0	69.2	53.8	49.7	36.0	36.0
10-11 PM	938	0.0	557	0.0	3000	938	0	557	0.35	0	69.6	53.8	49.7	36.9	36.9
11PM-MID	653	0.0	388	0.0	3000	653	0	388	0.36	0	69.9	53.9	49.7	37.8	37.8

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0062
MAIN ROUTE WITH WORKS	0.0044
DIVERSION	0.0256

PIA: Personal Injury Accidents

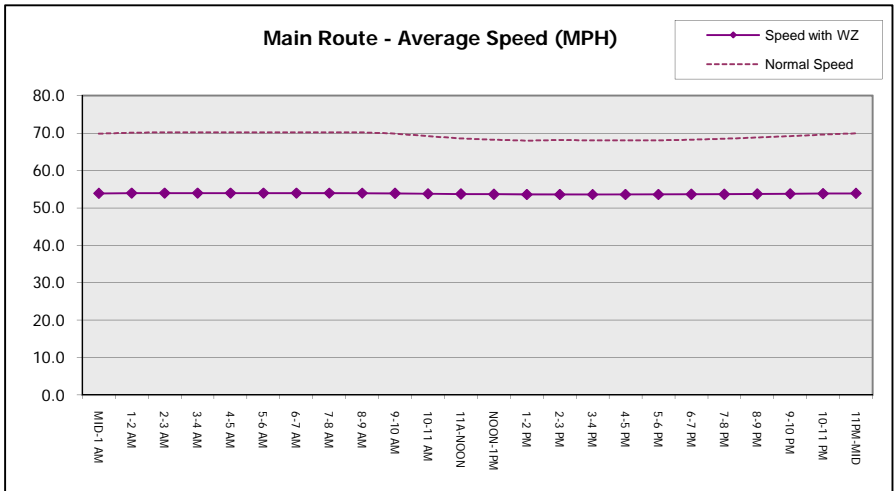
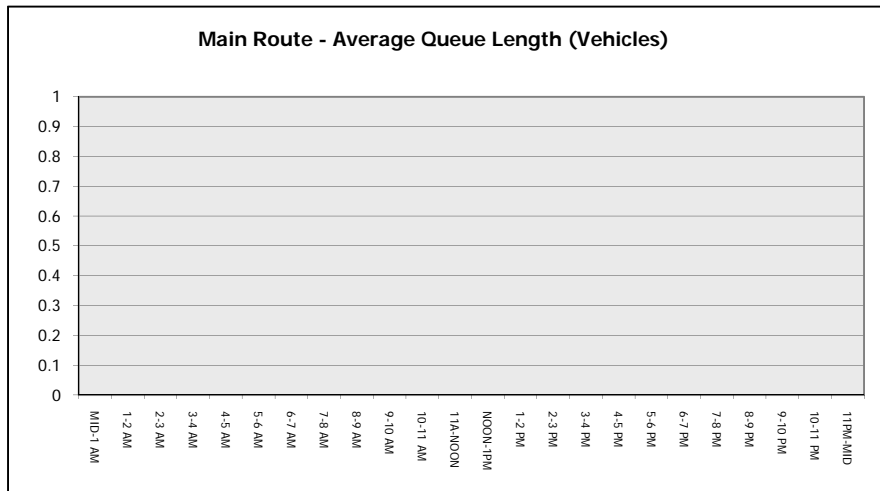
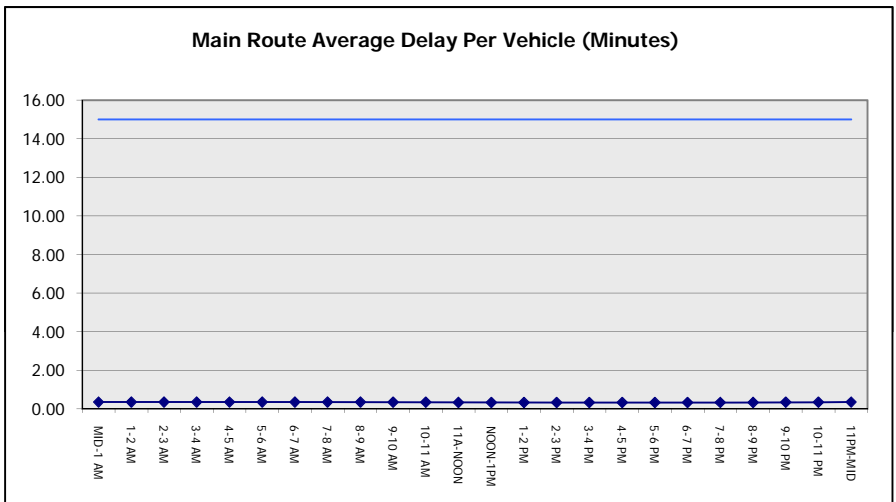
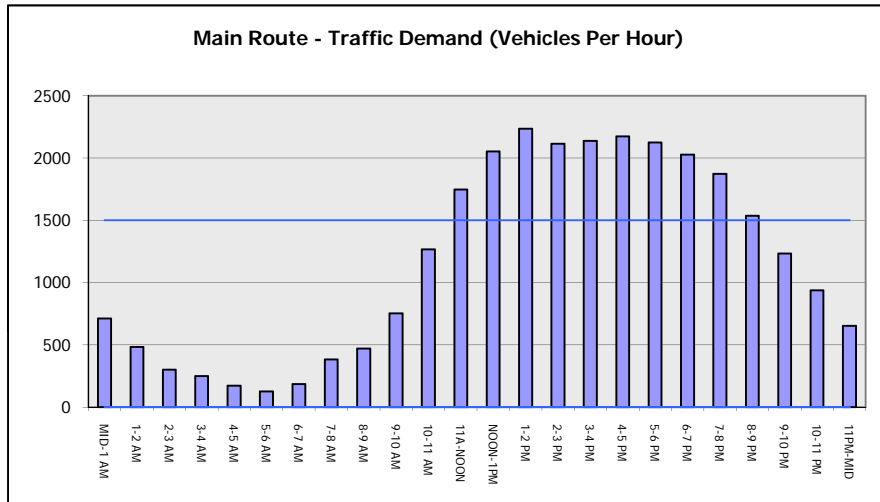
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,340
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51	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		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	1591	0.0	945	0.0	3000	1591	0	945	0.34	0	68.7	53.7	49.7	34.9	34.9
1-2 AM	651	0.0	387	0.0	3000	651	0	387	0.36	0	69.9	53.9	49.7	37.8	37.8
2-3 AM	348	0.0	207	0.0	3000	348	0	207	0.36	0	70.2	54.0	49.7	38.7	38.7
3-4 AM	285	0.0	168	0.0	3000	285	0	168	0.36	0	70.2	54.0	49.7	38.9	38.9
4-5 AM	188	0.0	112	0.0	3000	188	0	112	0.36	0	70.2	54.0	49.7	39.2	39.2
5-6 AM	148	0.0	88	0.0	3000	148	0	88	0.36	0	70.2	54.0	49.7	39.3	39.3
6-7 AM	216	0.0	128	0.0	3000	216	0	128	0.36	0	70.2	54.0	49.7	39.1	39.1
7-8 AM	358	0.0	212	0.0	3000	358	0	212	0.36	0	70.2	54.0	49.7	38.6	38.6
8-9 AM	743	0.0	442	0.0	3000	743	0	442	0.35	0	69.8	53.9	49.7	37.4	37.4
9-10 AM	1151	0.0	683	0.0	3000	1151	0	683	0.35	0	69.3	53.8	49.7	36.2	36.2
10-11 AM	1682	0.0	998	0.0	3000	1682	0	998	0.34	0	68.6	53.7	49.7	34.6	34.6
11A-NOON	2089	0.0	1240	0.0	3000	2089	0	1240+	0.33	0	68.1	53.6	49.7	33.3	33.3
NOON-1PM	2303	0.0	1368	0.0	3000	2303	0	1368+	0.33	0	67.9	53.6	49.7	32.7	32.7
1-2 PM	2409	0.0	1430	0.0	3000	2409	0	1430+	0.34	0	67.8	53.0	49.1	32.4	32.4
2-3 PM	2410	0.0	1432	0.0	3000	2410	0	1432+	0.34	0	67.8	53.0	49.1	32.4	32.4
3-4 PM	2450	0.0	1455	0.0	3000	2450	0	1455+	0.37	0	67.7	52.2	48.1	32.3	32.3
4-5 PM	2587	0.0	1536	0.0	3000	2587	0	1536+	0.46	0	67.5	49.3	44.8	31.9	31.9
5-6 PM	2407	0.0	1429	0.0	3000	2407	0	1429+	0.34	0	67.8	53.1	49.2	32.4	32.4
6-7 PM	2079	0.0	1235	0.0	3000	2079	0	1235+	0.33	0	68.1	53.6	49.7	33.4	33.4
7-8 PM	1760	0.0	1045	0.0	3000	1760	0	1045	0.34	0	68.6	53.7	49.7	34.3	34.3
8-9 PM	1371	0.0	814	0.0	3000	1371	0	814	0.34	0	69.1	53.8	49.7	35.6	35.6
9-10 PM	998	0.0	592	0.0	3000	998	0	592	0.35	0	69.5	53.8	49.7	36.7	36.7
10-11 PM	714	0.0	424	0.0	3000	714	0	424	0.36	0	69.9	53.9	49.7	37.6	37.6
11PM-MID	510	0.0	302	0.0	3000	510	0	302	0.36	0	70.1	54.0	49.7	38.2	38.2

+ 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	0.0070
MAIN ROUTE WITH WORKS	0.0049
DIVERSION	0.0288

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,745
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

