

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: 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	432	0.0	140	0.0	3000	432	0	140	0.36	0	70.2	65.3	49.7	39.1	39.1
1-2 AM	312	0.0	102	0.0	3000	312	0	102	0.36	0	70.2	65.3	49.7	39.2	39.2
2-3 AM	272	0.0	89	0.0	3000	272	0	89	0.36	0	70.2	65.3	49.7	39.3	39.3
3-4 AM	291	0.0	95	0.0	3000	291	0	95	0.36	0	70.2	65.3	49.7	39.3	39.3
4-5 AM	455	0.0	149	0.0	3000	455	0	149	0.36	0	70.2	65.3	49.7	39.0	39.0
5-6 AM	923	0.0	300	0.0	3000	923	0	300	0.35	0	69.6	65.0	49.7	38.3	38.3
6-7 AM	2006	0.0	653	0.0	2999	2006	0	653	0.33	0	68.2	64.0	49.7	36.6	36.6
7-8 AM	2996	0.0	976	0.0	2999	2996	0	976	0.85	8	67.0	57.5	37.8	35.0	35.0
8-9 AM	2564	0.0	835	0.0	3000	2564	0	835	0.47	1	67.6	61.8	45.4	35.7	35.7
9-10 AM	2123	0.0	692	0.0	3000	2123	0	692	0.33	0	68.1	63.8	49.7	36.4	36.4
10-11 AM	2195	0.0	715	0.0	3000	2195	0	715	0.33	0	68.0	63.8	49.7	36.3	36.3
11A-NOON	2351	0.0	766	0.0	3000	2351	0	766	0.33	0	67.8	63.7	49.7	36.1	36.1
NOON-1PM	2387	0.0	777	0.0	3000	2387	0	777	0.33	0	67.8	63.7	49.7	36.0	36.0
1-2 PM	2550	0.0	831	0.0	3000	2550	0	831	0.43	0	67.6	62.2	45.6	35.8	35.8
2-3 PM	2776	0.0	904	0.0	2999	2776	0	904	0.58	0	67.3	60.4	41.0	35.4	35.4
3-4 PM	3339	0.0	1087	0.0	2999	3339	0	1087	3.06	145	66.6	41.7	37.3	34.5	34.5
4-5 PM	3537	0.0	1152	0.0	2999	3101	436	1588+	8.46	429	66.3	25.1	37.3	34.2	32.1
5-6 PM	3251	0.0	1059	0.0	3000	2936	315	1374+	8.09	407	66.7	25.8	37.3	34.7	33.1
6-7 PM	2210	0.0	720	0.0	2999	2210	0	720	1.94	118	68.0	49.1	45.8	36.3	36.3
7-8 PM	1627	0.0	531	0.0	3000	1627	0	531	0.34	0	68.7	64.3	49.7	37.2	37.2
8-9 PM	1396	0.0	454	0.0	3000	1396	0	454	0.34	0	69.0	64.5	49.7	37.6	37.6
9-10 PM	1128	0.0	367	0.0	3000	1128	0	367	0.35	0	69.3	64.8	49.7	38.0	38.0
10-11 PM	851	0.0	277	0.0	3000	851	0	277	0.35	0	69.7	65.0	49.7	38.4	38.4
11PM-MID	599	0.0	195	0.0	3000	599	0	195	0.36	0	70.0	65.2	49.7	38.8	38.8

+ 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	0.0386
MAIN ROUTE WITH WORKS	0.0352
DIVERSION	0.1491

PIA: Personal Injury Accidents

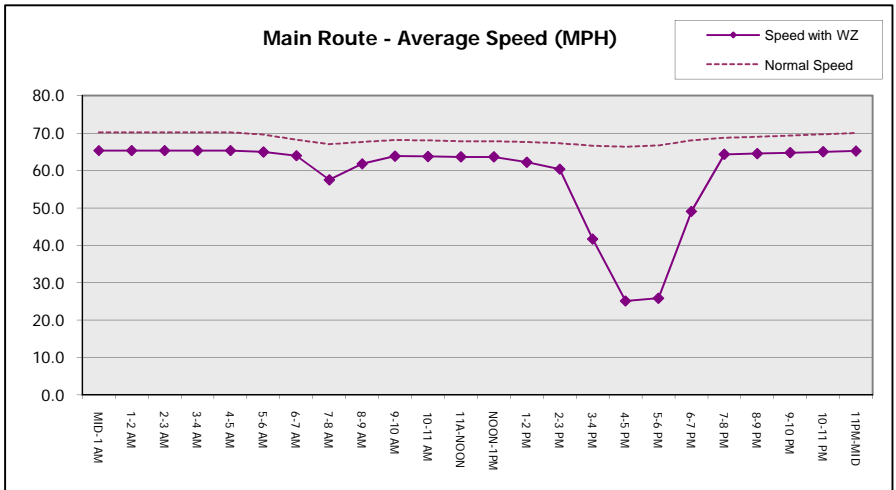
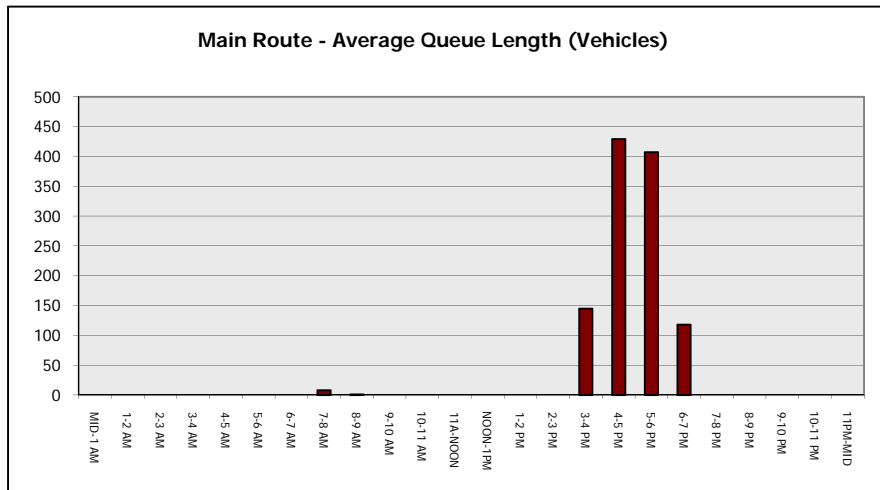
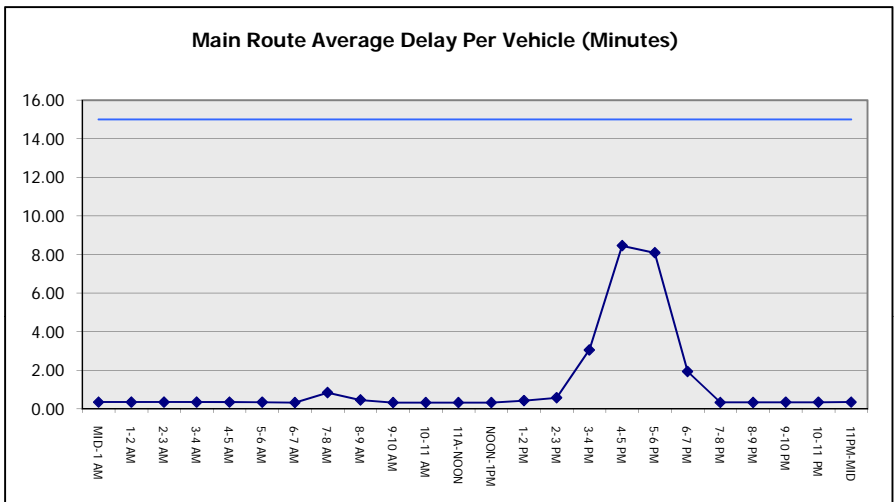
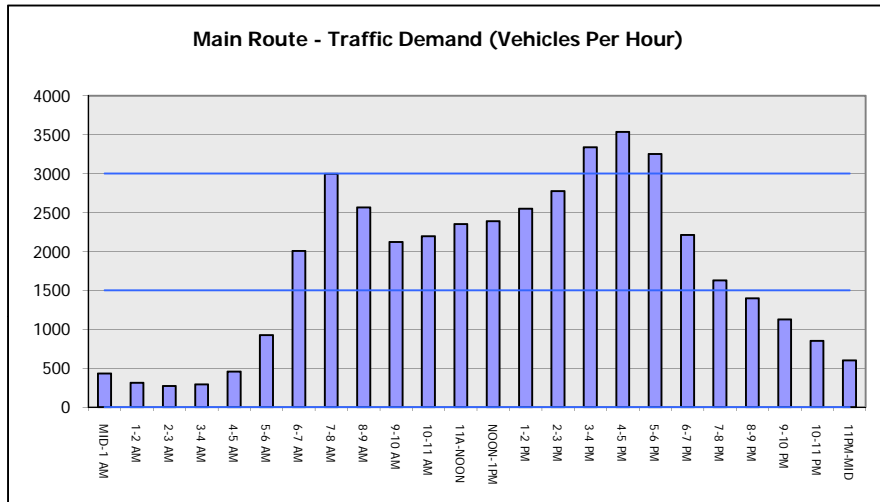
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$18,552
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 30 - USH 51

AUGUST
 Analyzed for 2009
 Construction Season

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



IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: 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		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	409	0.0	133	0.0	3000	409	0	133	0.36	0	70.2	65.3	49.7	39.1	39.1
1-2 AM	316	0.0	103	0.0	3000	316	0	103	0.36	0	70.2	65.3	49.7	39.2	39.2
2-3 AM	285	0.0	93	0.0	3000	285	0	93	0.36	0	70.2	65.3	49.7	39.3	39.3
3-4 AM	322	0.0	105	0.0	3000	322	0	105	0.36	0	70.2	65.3	49.7	39.2	39.2
4-5 AM	435	0.0	141	0.0	3000	435	0	141	0.36	0	70.2	65.3	49.7	39.1	39.1
5-6 AM	1042	0.0	340	0.0	3000	1042	0	340	0.35	0	69.4	64.8	49.7	38.1	38.1
6-7 AM	2371	0.0	772	0.0	3000	2371	0	772	0.33	0	67.8	63.7	49.7	36.0	36.0
7-8 AM	2992	0.0	974	0.0	3000	2992	0	974	0.72	0	67.0	58.7	37.4	35.0	35.0
8-9 AM	2351	0.0	766	0.0	3000	2351	0	766	0.33	0	67.8	63.7	49.7	36.1	36.1
9-10 AM	2121	0.0	691	0.0	3000	2121	0	691	0.33	0	68.1	63.8	49.7	36.4	36.4
10-11 AM	2175	0.0	708	0.0	3000	2175	0	708	0.33	0	68.0	63.8	49.7	36.3	36.3
11A-NOON	2357	0.0	768	0.0	3000	2357	0	768	0.33	0	67.8	63.7	49.7	36.0	36.0
NOON-1PM	2391	0.0	779	0.0	3000	2391	0	779	0.33	0	67.8	63.6	49.6	36.0	36.0
1-2 PM	2522	0.0	821	0.0	3000	2522	0	821	0.42	0	67.6	62.5	46.3	35.8	35.8
2-3 PM	2735	0.0	891	0.0	2999	2735	0	891	0.56	0	67.3	60.7	41.8	35.5	35.5
3-4 PM	2990	0.0	974	0.0	2999	2990	0	974	0.86	9	67.0	57.3	38.0	35.0	35.0
4-5 PM	3429	0.0	1117	0.0	3000	3429	0	1117	4.81	247	66.4	34.3	37.3	34.3	34.3
5-6 PM	3144	0.0	1024	0.0	2999	2897	247	1272+	7.91	397	66.8	26.2	37.3	34.8	33.6
6-7 PM	2227	0.0	725	0.0	2999	2227	0	725	1.86	110	67.9	49.6	45.9	36.3	36.3
7-8 PM	1695	0.0	553	0.0	3000	1695	0	553	0.34	0	68.6	64.3	49.7	37.1	37.1
8-9 PM	1411	0.0	459	0.0	3000	1411	0	459	0.34	0	69.0	64.5	49.7	37.5	37.5
9-10 PM	1185	0.0	386	0.0	3000	1185	0	386	0.35	0	69.2	64.7	49.7	37.9	37.9
10-11 PM	880	0.0	287	0.0	3000	880	0	287	0.35	0	69.6	65.0	49.7	38.4	38.4
11PM-MID	632	0.0	206	0.0	3000	632	0	206	0.36	0	69.9	65.2	49.7	38.8	38.8

+ 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	0.0385
MAIN ROUTE WITH WORKS	0.0355
DIVERSION	0.1435

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$13,376
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 30 - USH 51

AUGUST
 Analyzed for 2009
 Construction Season

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

