

**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
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	431	0.0	140	0.0	3000	431	0	140	0.36	0	70.2	65.3	49.7	39.1	39.1
1-2 AM	289	0.0	94	0.0	3000	289	0	94	0.36	0	70.2	65.3	49.7	39.3	39.3
2-3 AM	246	0.0	80	0.0	3000	246	0	80	0.36	0	70.2	65.3	49.7	39.4	39.4
3-4 AM	196	0.0	64	0.0	3000	196	0	64	0.36	0	70.2	65.3	49.7	39.4	39.4
4-5 AM	175	0.0	57	0.0	3000	175	0	57	0.36	0	70.2	65.3	49.7	39.5	39.5
5-6 AM	245	0.0	80	0.0	3000	245	0	80	0.36	0	70.2	65.3	49.7	39.4	39.4
6-7 AM	406	0.0	133	0.0	3000	406	0	133	0.36	0	70.2	65.3	49.7	39.1	39.1
7-8 AM	699	0.0	227	0.0	3000	699	0	227	0.36	0	69.9	65.1	49.7	38.6	38.6
8-9 AM	1164	0.0	379	0.0	3000	1164	0	379	0.35	0	69.3	64.7	49.7	37.9	37.9
9-10 AM	1865	0.0	607	0.0	3000	1865	0	607	0.34	0	68.4	64.1	49.7	36.8	36.8
10-11 AM	2465	0.0	803	0.0	3000	2465	0	803	0.38	0	67.7	63.0	47.6	35.9	35.9
11A-NOON	2811	0.0	916	0.0	3000	2811	0	916	0.60	0	67.3	60.1	40.4	35.3	35.3
NOON-1PM	2855	0.0	929	0.0	3000	2855	0	929	0.63	0	67.2	59.7	39.6	35.3	35.3
1-2 PM	2938	0.0	956	0.0	3000	2938	0	956	0.69	0	67.1	59.1	38.2	35.1	35.1
2-3 PM	2878	0.0	938	0.0	3000	2878	0	938	0.65	0	67.1	59.6	39.2	35.2	35.2
3-4 PM	2809	0.0	915	0.0	3000	2809	0	915	0.60	0	67.3	60.1	40.4	35.3	35.3
4-5 PM	2701	0.0	880	0.0	3000	2701	0	880	0.53	0	67.4	61.0	42.4	35.5	35.5
5-6 PM	2422	0.0	789	0.0	3000	2422	0	789	0.35	0	67.8	63.3	48.7	36.0	36.0
6-7 PM	1977	0.0	644	0.0	3000	1977	0	644	0.34	0	68.2	64.0	49.7	36.6	36.6
7-8 PM	1671	0.0	544	0.0	3000	1671	0	544	0.34	0	68.7	64.3	49.7	37.1	37.1
8-9 PM	1390	0.0	453	0.0	3000	1390	0	453	0.34	0	69.0	64.5	49.7	37.6	37.6
9-10 PM	1059	0.0	345	0.0	3000	1059	0	345	0.35	0	69.4	64.8	49.7	38.1	38.1
10-11 PM	748	0.0	244	0.0	3000	748	0	244	0.35	0	69.8	65.1	49.7	38.6	38.6
11PM-MID	549	0.0	179	0.0	3000	549	0	179	0.36	0	70.0	65.3	49.7	38.9	38.9

----- 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	0.0317
MAIN ROUTE WITH WORKS	0.0294
DIVERSION	0.1162

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$4,848
CONGESTED HOURS PER DAY*	0

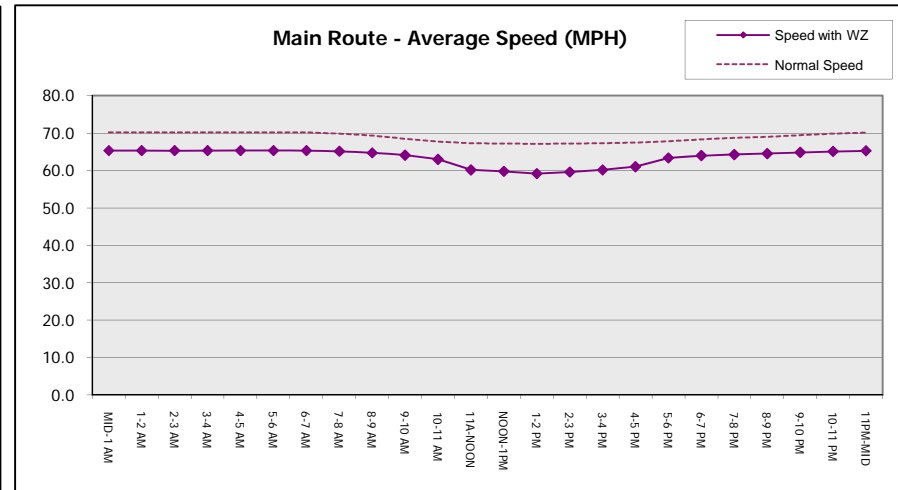
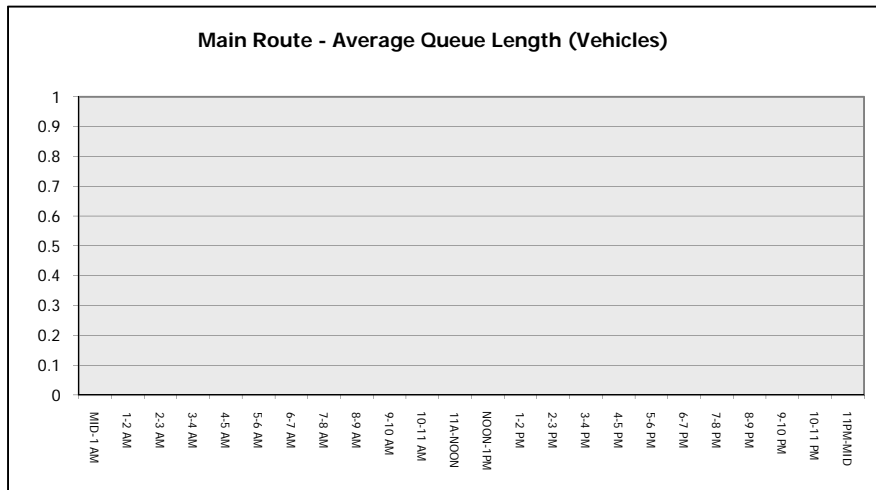
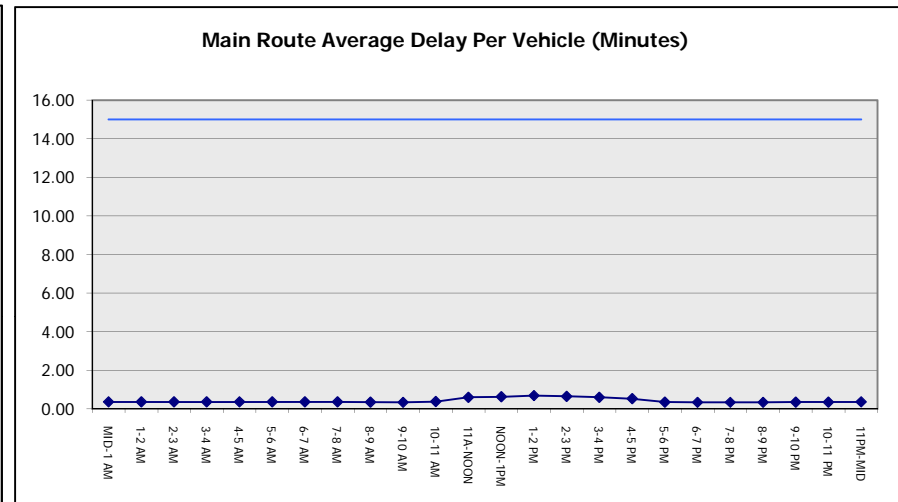
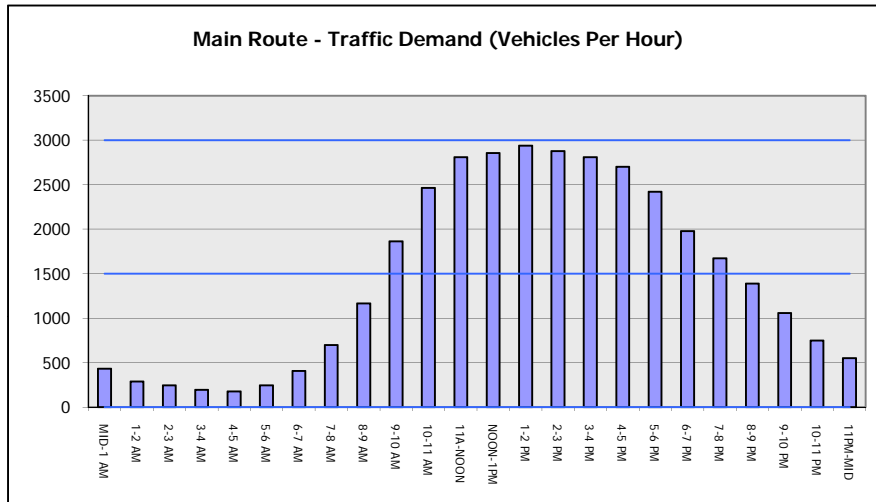
*Delays Exceeding 15 Minutes

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

SUNDAY 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

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	480	0.0	156	0.0	3000	480	0	156	0.36	0	70.1	65.3	49.7	39.0	39.0
1-2 AM	373	0.0	121	0.0	3000	373	0	121	0.36	0	70.2	65.3	49.7	39.2	39.2
2-3 AM	286	0.0	93	0.0	3000	286	0	93	0.36	0	70.2	65.3	49.7	39.3	39.3
3-4 AM	199	0.0	65	0.0	3000	199	0	65	0.36	0	70.2	65.3	49.7	39.4	39.4
4-5 AM	186	0.0	61	0.0	3000	186	0	61	0.36	0	70.2	65.3	49.7	39.4	39.4
5-6 AM	228	0.0	74	0.0	3000	228	0	74	0.36	0	70.2	65.3	49.7	39.4	39.4
6-7 AM	415	0.0	135	0.0	3000	415	0	135	0.36	0	70.2	65.3	49.7	39.1	39.1
7-8 AM	622	0.0	203	0.0	3000	622	0	203	0.36	0	70.0	65.2	49.7	38.8	38.8
8-9 AM	1040	0.0	339	0.0	3000	1040	0	339	0.35	0	69.4	64.8	49.7	38.1	38.1
9-10 AM	1694	0.0	551	0.0	3000	1694	0	551	0.34	0	68.6	64.3	49.7	37.1	37.1
10-11 AM	2506	0.0	816	0.0	2999	2506	0	816	0.42	0	67.6	62.4	46.2	35.8	35.8
11A-NOON	3122	0.0	1017	0.0	2999	3122	0	1017	1.30	34	66.9	53.3	37.3	34.8	34.8
NOON-1PM	3365	0.0	1097	0.0	3000	3330	35	1132	5.70	288	66.6	31.5	37.3	34.5	34.3
1-2 PM	3435	0.0	1119	0.0	2999	2973	462	1581+	8.49	429	66.4	25.1	37.3	34.3	32.1
2-3 PM	3322	0.0	1082	0.0	3000	2987	336	1418+	8.17	411	66.6	25.7	37.3	34.5	32.9
3-4 PM	3544	0.0	1154	0.0	3000	3028	516	1670+	8.66	439	66.3	24.7	37.3	34.2	31.7
4-5 PM	3200	0.0	1042	0.0	2999	2948	252	1294+	7.95	399	66.8	26.1	37.3	34.7	33.5
5-6 PM	3291	0.0	1072	0.0	3000	3012	279	1350+	8.04	404	66.6	26.0	37.3	34.6	33.2
6-7 PM	2943	0.0	959	0.0	3000	2897	46	1004	7.16	355	67.1	27.9	37.3	35.1	34.9
7-8 PM	2611	0.0	851	0.0	2999	2611	0	851	2.60	135	67.5	44.6	41.1	35.6	35.6
8-9 PM	2185	0.0	712	0.0	3000	2185	0	712	0.33	0	68.0	63.8	49.7	36.3	36.3
9-10 PM	1587	0.0	517	0.0	3000	1587	0	517	0.34	0	68.7	64.3	49.7	37.3	37.3
10-11 PM	996	0.0	324	0.0	3000	996	0	324	0.35	0	69.5	64.9	49.7	38.2	38.2
11PM-MID	626	0.0	204	0.0	3000	626	0	204	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	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	0.0383
MAIN ROUTE WITH WORKS	0.0339
DIVERSION	0.1601

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$56,096
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
SUNDAY EASTBOUND DIRECTION

