

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY) CONTINUOUS (24 HOUR) 2 LANE 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	1500	431	0	140	0.53	0	70.2	63.3	43.8	39.1	39.1
1-2 AM	289	0.0	94	0.0	1500	289	0	94	0.51	0	70.2	63.5	44.3	39.3	39.3
2-3 AM	246	0.0	80	0.0	1500	246	0	80	0.50	0	70.2	63.6	44.5	39.4	39.4
3-4 AM	196	0.0	64	0.0	1500	196	0	64	0.50	0	70.2	63.7	44.7	39.4	39.4
4-5 AM	175	0.0	57	0.0	1500	175	0	57	0.49	0	70.2	63.7	44.8	39.5	39.5
5-6 AM	245	0.0	80	0.0	1500	245	0	80	0.50	0	70.2	63.6	44.5	39.4	39.4
6-7 AM	406	0.0	133	0.0	1500	406	0	133	0.52	0	70.2	63.4	43.8	39.1	39.1
7-8 AM	699	0.0	227	0.0	1500	699	0	227	0.55	0	69.9	62.7	42.8	38.6	38.6
8-9 AM	1164	0.0	379	0.0	1499	1164	0	379	0.72	0	69.3	60.5	38.4	37.9	37.9
9-10 AM	1865	0.0	607	0.0	1499	1705	160	767	4.69	107	68.4	35.3	30.8	36.8	36.1
10-11 AM	2465	0.0	803	0.0	1499	1512	953	1756+	8.94	207	67.7	24.4	30.8	35.9	31.3
11A-NOON	2811	0.0	916	0.0	1500	1523	1287	2203+	9.95	234	67.3	22.7	30.8	35.3	29.1
NOON-1PM	2855	0.0	929	0.0	1500	1501	1353	2283+	10.14	240	67.2	22.4	30.8	35.3	28.8
1-2 PM	2938	0.0	956	0.0	1500	1506	1432	2388+	10.41	247	67.1	22.0	30.8	35.1	28.3
2-3 PM	2878	0.0	938	0.0	1500	1493	1385	2322+	10.24	242	67.1	22.3	30.8	35.2	28.6
3-4 PM	2809	0.0	915	0.0	1500	1493	1315	2230+	10.01	236	67.3	22.6	30.8	35.3	29.0
4-5 PM	2701	0.0	880	0.0	1500	1489	1212	2092+	9.69	227	67.4	23.2	30.8	35.5	29.7
5-6 PM	2422	0.0	789	0.0	1500	1476	946	1735+	8.90	206	67.8	24.5	30.8	36.0	31.4
6-7 PM	1977	0.0	644	0.0	1500	1471	506	1149	7.79	176	68.2	26.7	30.8	36.6	34.2
7-8 PM	1671	0.0	544	0.0	1499	1483	188	732	7.11	157	68.7	28.3	30.8	37.1	36.2
8-9 PM	1390	0.0	453	0.0	1499	1385	5	458	5.22	112	69.0	33.6	31.5	37.6	37.5
9-10 PM	1059	0.0	345	0.0	1500	1059	0	345	0.68	2	69.4	61.0	41.0	38.1	38.1
10-11 PM	748	0.0	244	0.0	1500	748	0	244	0.56	0	69.8	62.7	42.6	38.6	38.6
11PM-MID	549	0.0	179	0.0	1500	549	0	179	0.54	0	70.0	63.1	43.3	38.9	38.9

+ 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	0.0317
MAIN ROUTE WITH WORKS	0.0204
DIVERSION	0.2259

PIA: Personal Injury Accidents

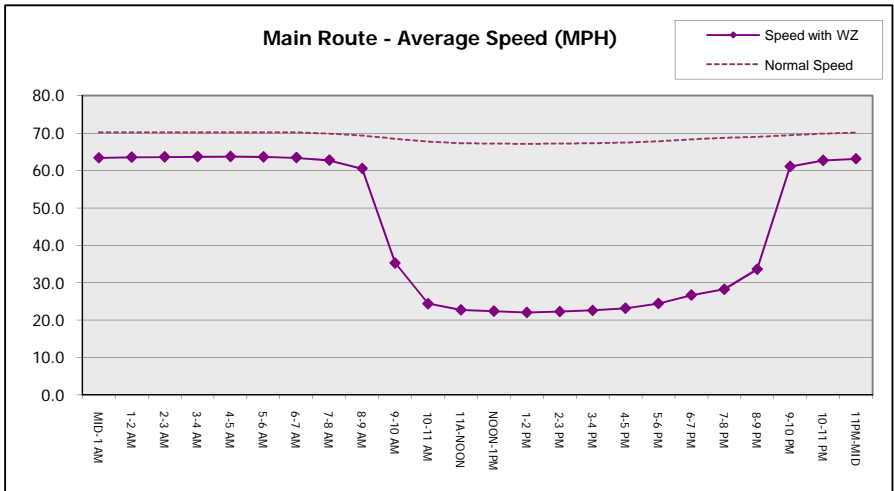
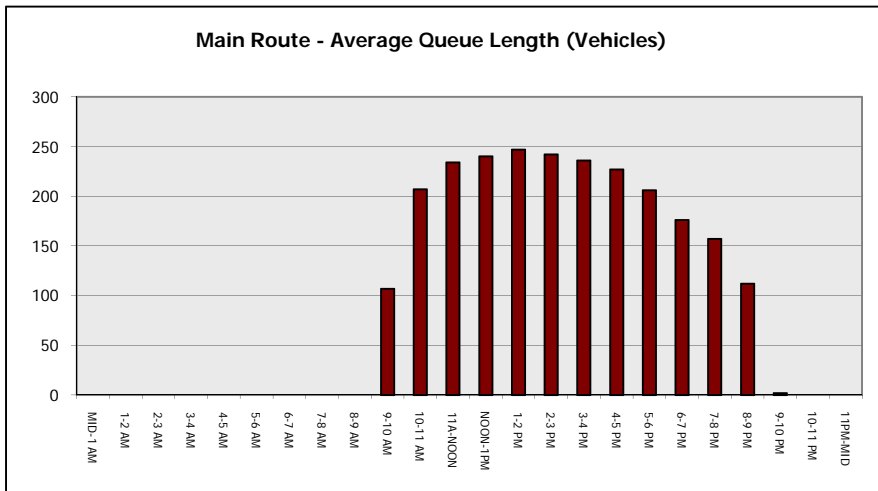
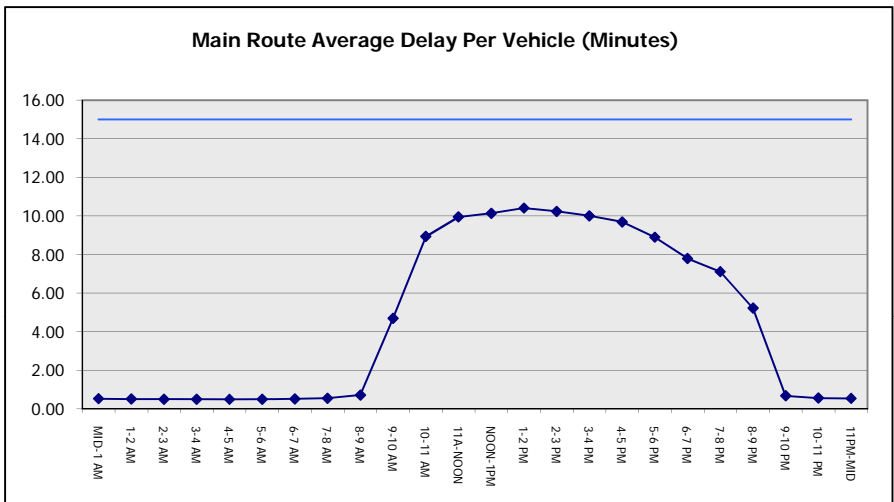
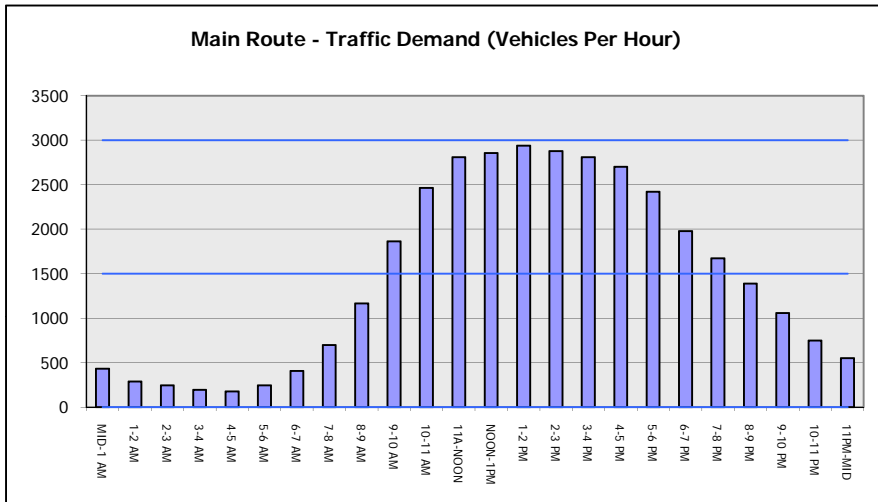
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$84,584
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)
CONTINUOUS (24 HOUR) 2 LANE 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) 2 LANE 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	1500	480	0	156	0.53	0	70.1	63.2	43.6	39.0	39.0
1-2 AM	373	0.0	121	0.0	1500	373	0	121	0.52	0	70.2	63.4	44.0	39.2	39.2
2-3 AM	286	0.0	93	0.0	1500	286	0	93	0.51	0	70.2	63.5	44.3	39.3	39.3
3-4 AM	199	0.0	65	0.0	1500	199	0	65	0.50	0	70.2	63.7	44.7	39.4	39.4
4-5 AM	186	0.0	61	0.0	1500	186	0	61	0.50	0	70.2	63.7	44.7	39.4	39.4
5-6 AM	228	0.0	74	0.0	1500	228	0	74	0.50	0	70.2	63.7	44.6	39.4	39.4
6-7 AM	415	0.0	135	0.0	1500	415	0	135	0.52	0	70.2	63.3	43.8	39.1	39.1
7-8 AM	622	0.0	203	0.0	1500	622	0	203	0.55	0	70.0	62.9	43.0	38.8	38.8
8-9 AM	1040	0.0	339	0.0	1499	1040	0	339	0.62	0	69.4	61.6	40.7	38.1	38.1
9-10 AM	1694	0.0	551	0.0	1499	1694	0	551	2.61	51	68.6	45.0	30.8	37.1	37.1
10-11 AM	2506	0.0	816	0.0	1499	1531	975	1792+	9.02	210	67.6	24.3	30.8	35.8	31.1
11A-NOON	3122	0.0	1017	0.0	1500	1551	1571	2589+	10.94	261	66.9	21.3	30.8	34.8	27.3
NOON-1PM	3365	0.0	1097	0.0	1500	1519	1846	2943+	11.99	289	66.6	19.9	30.8	34.5	25.6
1-2 PM	3435	0.0	1119	0.0	1500	1503	1932	3051+	12.34	298	66.4	19.6	30.8	34.3	25.0
2-3 PM	3322	0.0	1082	0.0	1500	1489	1833	2915+	11.90	287	66.6	20.1	30.8	34.5	25.7
3-4 PM	3544	0.0	1154	0.0	1500	1523	2022	3176+	12.76	310	66.3	19.1	30.8	34.2	24.5
4-5 PM	3200	0.0	1042	0.0	1500	1460	1740	2782+	11.50	276	66.8	20.6	30.8	34.7	26.3
5-6 PM	3291	0.0	1072	0.0	1499	1509	1782	2853+	11.71	282	66.6	20.3	30.8	34.6	26.0
6-7 PM	2943	0.0	959	0.0	1500	1461	1481	2440+	10.55	251	67.1	21.9	30.8	35.1	28.0
7-8 PM	2611	0.0	851	0.0	1500	1472	1139	1989+	9.45	221	67.5	23.5	30.8	35.6	30.2
8-9 PM	2185	0.0	712	0.0	1500	1468	717	1428+	8.30	190	68.0	25.6	30.8	36.3	32.9
9-10 PM	1587	0.0	517	0.0	1500	1437	150	667	6.75	149	68.7	29.1	30.9	37.3	36.5
10-11 PM	996	0.0	324	0.0	1500	996	0	324	1.13	18	69.5	56.4	40.7	38.2	38.2
11PM-MID	626	0.0	204	0.0	1500	626	0	204	0.55	0	69.9	62.9	43.0	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	0.0383
MAIN ROUTE WITH WORKS	0.0211
DIVERSION	0.3158

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$126,690
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) 2 LANE CLOSURE
DIVERSION ROUTE: STH 30 - USH 51

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

