

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	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	430	0.0	140	0.0	1500	430	0	140	0.53	0	70.2	63.3	43.8	39.1	39.1
1-2 AM	357	0.0	116	0.0	1500	357	0	116	0.52	0	70.2	63.5	44.1	39.2	39.2
2-3 AM	312	0.0	102	0.0	1500	312	0	102	0.51	0	70.2	63.5	44.2	39.2	39.2
3-4 AM	330	0.0	108	0.0	1500	330	0	108	0.51	0	70.2	63.5	44.2	39.2	39.2
4-5 AM	470	0.0	153	0.0	1500	470	0	153	0.53	0	70.2	63.3	43.6	39.0	39.0
5-6 AM	937	0.0	306	0.0	1499	937	0	306	0.59	0	69.6	62.1	41.7	38.3	38.3
6-7 AM	2050	0.0	668	0.0	1499	1697	353	1020	5.67	132	68.2	32.0	30.8	36.5	34.8
7-8 AM	2974	0.0	969	0.0	1499	1560	1414	2383+	10.39	247	67.1	22.0	30.8	35.1	28.3
8-9 AM	2599	0.0	847	0.0	1500	1455	1144	1990+	9.46	221	67.5	23.5	30.8	35.6	30.2
9-10 AM	2242	0.0	730	0.0	1500	1478	764	1495+	8.42	193	67.9	25.4	30.8	36.2	32.5
10-11 AM	2346	0.0	764	0.0	1499	1512	834	1598+	8.62	199	67.8	25.0	30.8	36.1	32.0
11A-NOON	2574	0.0	838	0.0	1499	1518	1056	1894+	9.24	215	67.6	23.9	30.8	35.7	30.6
NOON-1PM	2777	0.0	905	0.0	1500	1517	1260	2165+	9.86	232	67.3	22.9	30.8	35.4	29.3
1-2 PM	3002	0.0	978	0.0	1500	1521	1481	2459+	10.59	252	67.0	21.8	30.8	35.0	27.9
2-3 PM	3247	0.0	1058	0.0	1500	1530	1716	2774+	11.47	276	66.7	20.6	30.8	34.7	26.4
3-4 PM	3848	0.0	1254	0.0	1500	1576	2271	3525+	13.94	345	64.6	17.8	30.8	33.7	22.8
4-5 PM	3920	0.0	1277	0.0	1499	1494	2425	3702+	14.65	364	64.1	17.1	30.8	33.6	21.9
5-6 PM	3643	0.0	1187	0.0	1500	1451	2192	3379+	13.48	330	66.0	18.3	30.8	34.0	23.5
6-7 PM	3024	0.0	985	0.0	1500	1432	1592	2577+	10.92	261	67.0	21.3	30.8	35.0	27.3
7-8 PM	2404	0.0	783	0.0	1500	1454	950	1733+	8.90	206	67.8	24.5	30.8	36.0	31.4
8-9 PM	2044	0.0	666	0.0	1499	1478	566	1231+	7.94	180	68.2	26.4	30.8	36.5	33.8
9-10 PM	1647	0.0	537	0.0	1500	1477	170	706	7.07	156	68.7	28.4	30.8	37.1	36.3
10-11 PM	1294	0.0	422	0.0	1499	1294	0	422	3.39	79	69.1	41.0	33.9	37.7	37.7
11PM-MID	821	0.0	268	0.0	1500	821	0	268	0.57	0	69.7	62.5	42.3	38.4	38.4

+ 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	0.0447
MAIN ROUTE WITH WORKS	0.0245
DIVERSION	0.3698

PIA: Personal Injury Accidents

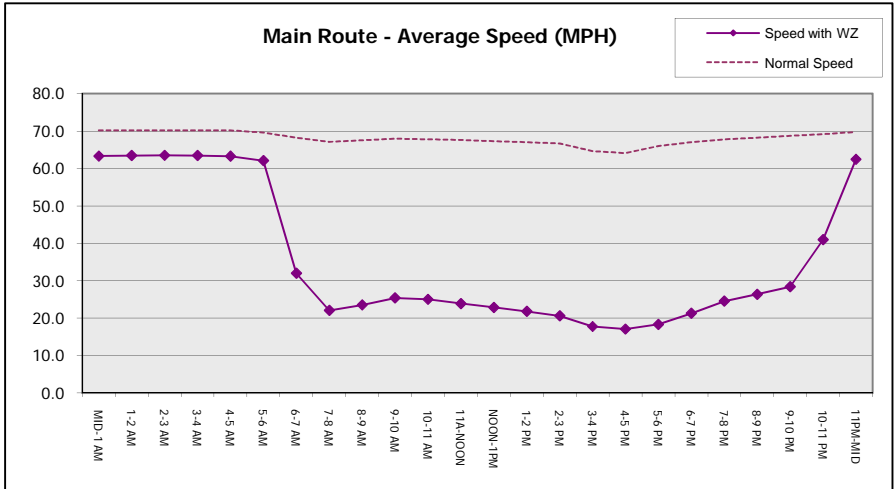
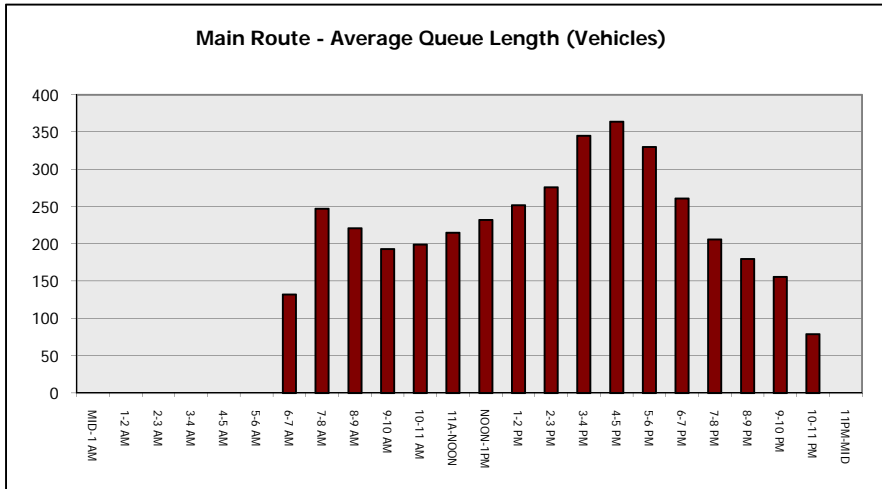
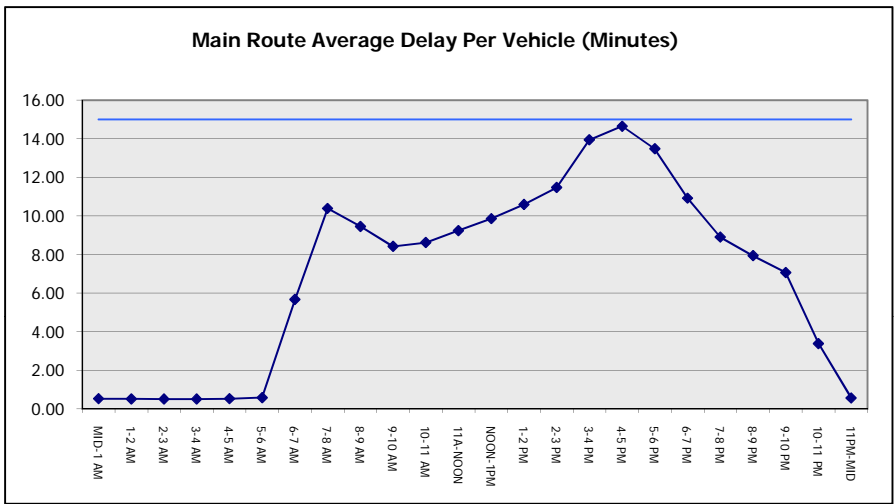
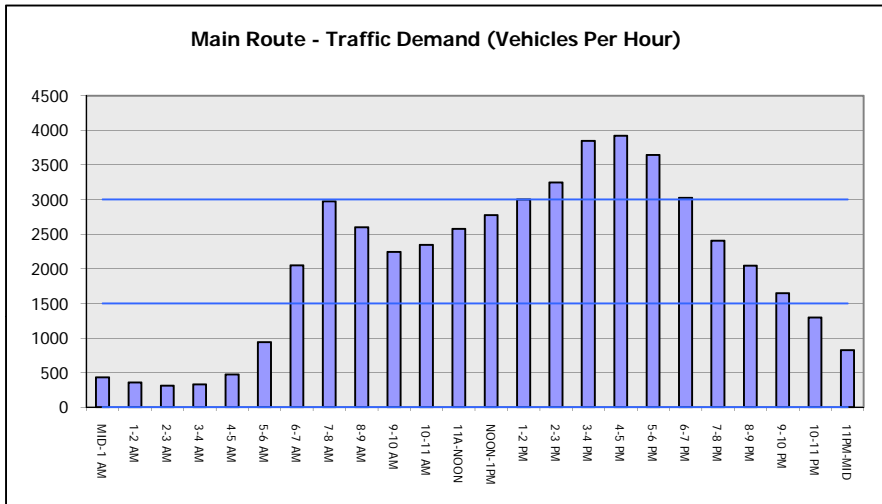
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$123,788
CONGESTED HOURS PER DAY*	0

*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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							TOTAL			AVERAGE SPEEDS IN MPH				
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	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	363	0.0	118	0.0	1500	363	0	118	0.52	0	70.2	63.5	44.0	39.2	39.2
1-2 AM	287	0.0	93	0.0	1500	287	0	93	0.51	0	70.2	63.5	44.3	39.3	39.3
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	315	0.0	103	0.0	1500	315	0	103	0.51	0	70.2	63.5	44.2	39.2	39.2
4-5 AM	394	0.0	129	0.0	1500	394	0	129	0.52	0	70.2	63.4	43.9	39.1	39.1
5-6 AM	977	0.0	318	0.0	1499	977	0	318	0.64	0	69.5	61.5	40.3	38.2	38.2
6-7 AM	2294	0.0	747	0.0	1499	1716	578	1325+	7.88	184	67.9	26.5	31.5	36.1	33.3
7-8 AM	2656	0.0	865	0.0	1499	1506	1150	2015+	9.51	222	67.4	23.4	30.8	35.6	30.1
8-9 AM	2131	0.0	695	0.0	1500	1459	673	1368+	8.19	187	68.1	25.9	30.8	36.4	33.2
9-10 AM	1985	0.0	647	0.0	1499	1495	490	1137	7.77	175	68.2	26.8	30.8	36.6	34.3
10-11 AM	2090	0.0	681	0.0	1500	1509	581	1262+	7.99	181	68.1	26.3	30.8	36.5	33.7
11A-NOON	2207	0.0	719	0.0	1500	1508	698	1417+	8.28	189	68.0	25.7	30.8	36.3	32.9
NOON-1PM	2393	0.0	780	0.0	1499	1513	880	1660+	8.75	202	67.8	24.8	30.8	36.0	31.7
1-2 PM	2432	0.0	792	0.0	1500	1504	928	1720+	8.87	205	67.7	24.5	30.8	36.0	31.5
2-3 PM	2723	0.0	886	0.0	1500	1525	1198	2084+	9.67	227	67.4	23.2	30.8	35.5	29.7
3-4 PM	2934	0.0	955	0.0	1500	1518	1416	2371+	10.37	246	67.1	22.1	30.8	35.1	28.3
4-5 PM	3145	0.0	1024	0.0	1500	1516	1630	2654+	11.13	266	66.8	21.1	30.8	34.8	27.0
5-6 PM	2925	0.0	952	0.0	1500	1471	1453	2406+	10.46	248	67.1	22.0	30.8	35.1	28.1
6-7 PM	2401	0.0	783	0.0	1500	1457	944	1727+	8.89	206	67.8	24.5	30.8	36.0	31.4
7-8 PM	1921	0.0	626	0.0	1500	1470	451	1077	7.67	173	68.4	27.0	30.8	36.7	34.5
8-9 PM	1528	0.0	497	0.0	1500	1458	70	567	6.65	145	68.8	29.4	30.8	37.3	37.0
9-10 PM	1294	0.0	422	0.0	1499	1294	0	422	2.43	49	69.1	46.3	34.2	37.7	37.7
10-11 PM	1000	0.0	325	0.0	1500	1000	0	325	0.59	0	69.5	62.1	41.7	38.2	38.2
11PM-MID	749	0.0	244	0.0	1500	749	0	244	0.56	0	69.8	62.7	42.6	38.6	38.6

+ 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	0.0376
MAIN ROUTE WITH WORKS	0.0238
DIVERSION	0.2718

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$85,408
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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

