

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 73 - USH 12	OCTOBER
	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	460	0.0	83	0.0	1500	460	0	83	0.47	0	65.5	63.7	43.7	38.7	38.7
1-2 AM	376	0.0	67	0.0	1500	376	0	67	0.46	0	65.7	63.9	44.0	38.9	38.9
2-3 AM	406	0.0	73	0.0	1500	406	0	73	0.46	0	65.6	63.8	43.8	38.8	38.8
3-4 AM	371	0.0	67	0.0	1500	371	0	67	0.46	0	65.7	63.9	44.0	38.9	38.9
4-5 AM	511	0.0	91	0.0	1500	511	0	91	0.47	0	65.5	63.6	43.5	38.6	38.6
5-6 AM	952	0.0	171	0.0	1499	952	0	171	0.51	0	64.6	62.7	41.9	37.6	37.6
6-7 AM	1565	0.0	280	0.0	1499	1565	0	280	1.71	20	63.5	57.6	31.1	36.3	36.3
7-8 AM	1746	0.0	313	0.0	1500	1746	0	313	8.23	202	63.2	42.5	30.8	35.8	35.8
8-9 AM	1660	0.0	297	0.0	1499	1660	0	297	15.99	407	63.3	32.6	30.8	36.1	36.1
9-10 AM	1784	0.0	319	0.0	1499	1644	141	460	22.09	572	63.0	27.4	30.8	35.8	34.0
10-11 AM	2046	0.0	366	0.0	1500	1644	402	768	26.92	706	62.6	24.3	30.8	35.2	30.2
11A-NOON	2243	0.0	402	0.0	1500	1627	617	1018	31.88	842	62.2	21.9	30.8	34.8	27.1
NOON-1PM	2297	0.0	411	0.0	1500	1556	741	1152	35.06	929	62.1	20.5	30.8	34.7	25.5
1-2 PM	2411	0.0	432	0.0	1500	1591	820	1252+	37.66	1001	61.8	19.5	30.8	34.4	24.2
2-3 PM	2557	0.0	458	0.0	1500	1631	926	1384+	41.24	1109	60.3	18.2	30.8	34.0	22.5
3-4 PM	2795	0.0	500	0.0	1500	1725	1070	1570+	47.20	1291	57.9	16.3	30.8	33.5	20.2
4-5 PM	2934	0.0	525	0.0	1500	1502	1432	1957+	52.44	1444	56.4	15.0	30.8	33.2	18.6
5-6 PM	2916	0.0	522	0.0	1500	1502	1415	1937+	52.50	1444	56.6	15.0	30.8	33.3	18.6
6-7 PM	2530	0.0	453	0.0	1500	1358	1172	1625+	50.34	1354	60.6	15.8	30.8	34.1	19.6
7-8 PM	2273	0.0	407	0.0	1500	1256	1017	1424+	43.08	1148	62.2	17.8	30.8	34.7	22.0
8-9 PM	1986	0.0	356	0.0	1500	1241	745	1100	33.93	898	62.7	21.1	30.8	35.3	26.1
9-10 PM	1472	0.0	264	0.0	1500	1207	266	529	23.19	604	63.7	26.8	30.8	36.5	33.2
10-11 PM	1029	0.0	184	0.0	1498	1028	0	184	9.59	261	64.5	40.9	35.5	37.4	37.4
11PM-MID	615	0.0	110	0.0	1500	615	0	110	0.48	0	65.3	63.4	43.1	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	0.1138
MAIN ROUTE WITH WORKS	0.0812
DIVERSION	0.4672

PIA: Personal Injury Accidents

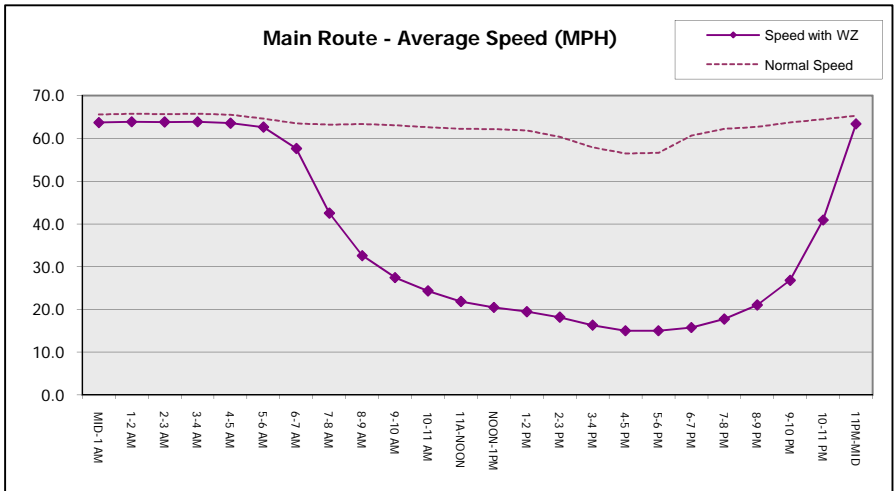
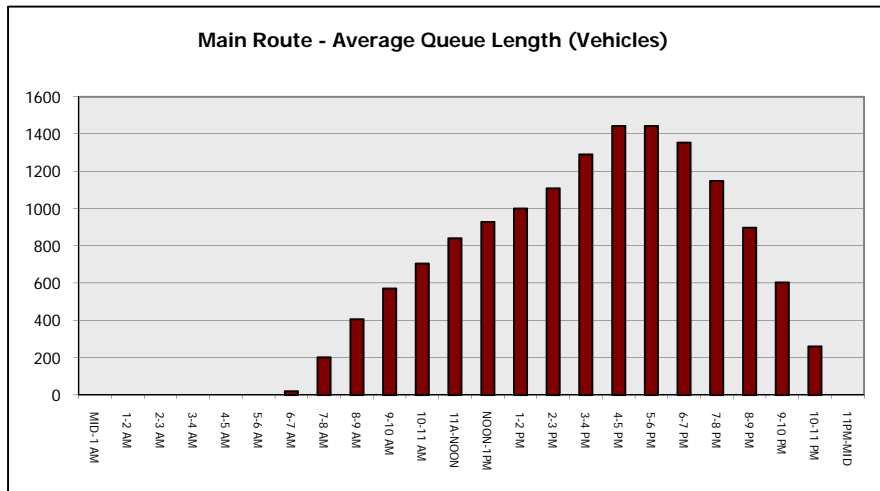
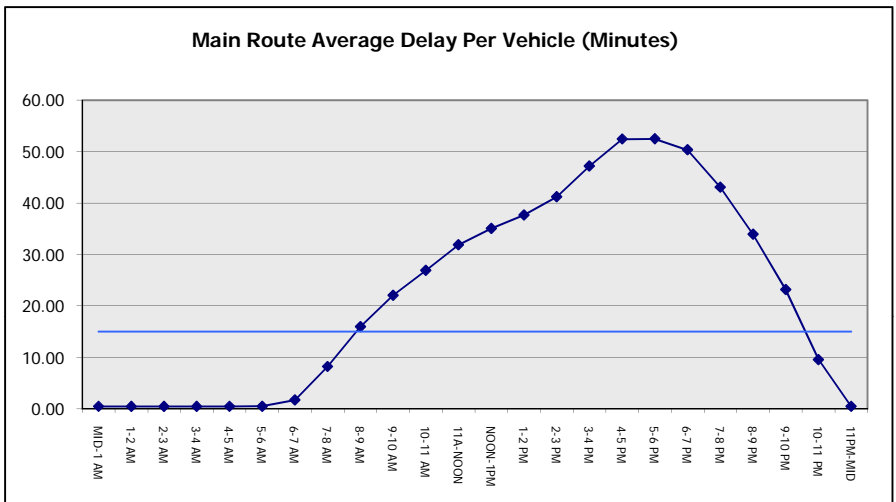
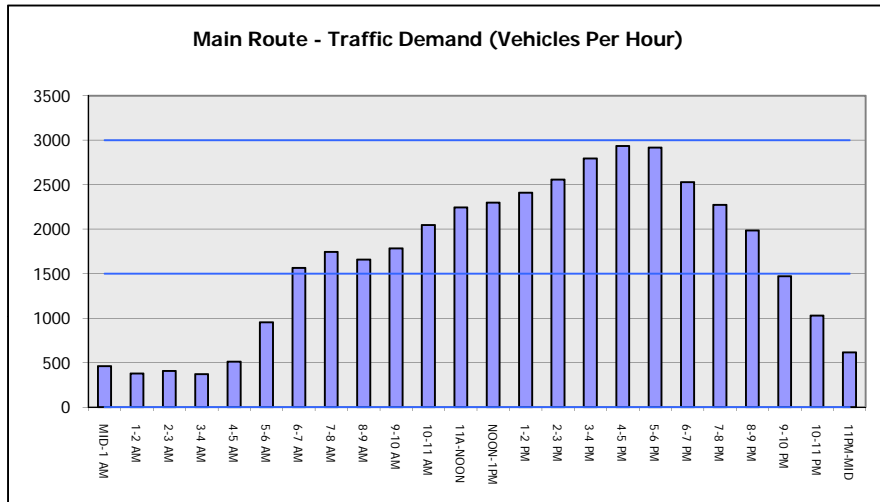
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$324,850
CONGESTED HOURS PER DAY*	14

*Delays Exceeding 15 Minutes

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 73 - USH 12

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 73 - USH 12	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	404	0.0	72	0.0	1500	404	0	72	0.46	0	65.6	63.8	43.9	38.9	38.9
1-2 AM	347	0.0	62	0.0	1500	347	0	62	0.46	0	65.8	64.0	44.1	39.0	39.0
2-3 AM	339	0.0	61	0.0	1500	339	0	61	0.46	0	65.8	64.0	44.2	39.0	39.0
3-4 AM	411	0.0	73	0.0	1500	411	0	73	0.46	0	65.6	63.8	43.8	38.8	38.8
4-5 AM	475	0.0	85	0.0	1500	475	0	85	0.47	0	65.5	63.7	43.6	38.7	38.7
5-6 AM	587	0.0	106	0.0	1500	587	0	106	0.48	0	65.3	63.5	43.2	38.4	38.4
6-7 AM	927	0.0	166	0.0	1500	927	0	166	0.51	0	64.6	62.7	41.9	37.7	37.7
7-8 AM	1282	0.0	229	0.0	1500	1282	0	229	0.74	0	64.0	61.3	36.0	36.9	36.9
8-9 AM	1447	0.0	259	0.0	1499	1447	0	259	0.96	0	63.7	60.3	31.9	36.5	36.5
9-10 AM	1595	0.0	286	0.0	1499	1595	0	286	2.40	38	63.4	55.6	30.8	36.2	36.2
10-11 AM	1722	0.0	309	0.0	1500	1722	0	309	8.06	196	63.2	42.8	30.8	35.9	35.9
11A-NOON	1888	0.0	338	0.0	1500	1825	62	400	18.69	489	62.8	30.0	30.8	35.5	34.8
NOON-1PM	2085	0.0	374	0.0	1499	1653	432	806	27.60	725	62.5	24.0	30.8	35.1	29.7
1-2 PM	2256	0.0	404	0.0	1500	1620	636	1040	32.37	856	62.2	21.6	30.8	34.7	26.8
2-3 PM	2390	0.0	428	0.0	1500	1611	779	1207+	36.45	968	61.9	19.9	30.8	34.4	24.8
3-4 PM	2581	0.0	462	0.0	1500	1663	919	1381+	41.06	1107	60.1	18.2	30.8	34.0	22.6
4-5 PM	2709	0.0	485	0.0	1500	1645	1064	1550+	46.68	1269	58.7	16.5	30.8	33.7	20.5
5-6 PM	2580	0.0	462	0.0	1500	1442	1138	1600+	49.14	1325	60.1	16.0	30.8	34.0	19.9
6-7 PM	2062	0.0	369	0.0	1500	1095	968	1337+	40.38	1077	62.5	18.6	30.8	35.1	23.2
7-8 PM	1634	0.0	293	0.0	1500	1186	448	741	26.65	700	63.3	24.7	30.8	36.1	30.6
8-9 PM	1253	0.0	224	0.0	1499	1232	21	245	16.89	432	64.0	31.9	30.8	36.9	36.7
9-10 PM	1110	0.0	199	0.0	1499	1110	0	199	4.46	116	64.3	50.7	36.8	37.3	37.3
10-11 PM	893	0.0	160	0.0	1500	893	0	160	0.51	0	64.7	62.8	42.0	37.8	37.8
11PM-MID	619	0.0	111	0.0	1500	619	0	111	0.48	0	65.2	63.3	43.0	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	0.0957
MAIN ROUTE WITH WORKS	0.0755
DIVERSION	0.3256

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$202,461
CONGESTED HOURS PER DAY*	10

*Delays Exceeding 15 Minutes

**IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 73 - USH 12**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

