

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

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	299	0.0	53	0.0	1500	299	0	53	0.45	0	65.8	64.0	44.3	39.1	39.1
1-2 AM	217	0.0	39	0.0	1500	217	0	39	0.44	0	66.0	64.2	44.6	39.2	39.2
2-3 AM	170	0.0	30	0.0	1500	170	0	30	0.44	0	66.1	64.3	44.8	39.4	39.4
3-4 AM	134	0.0	24	0.0	1500	134	0	24	0.44	0	66.1	64.4	45.0	39.4	39.4
4-5 AM	174	0.0	31	0.0	1500	174	0	31	0.44	0	66.1	64.3	44.8	39.4	39.4
5-6 AM	265	0.0	47	0.0	1500	265	0	47	0.45	0	65.9	64.1	44.4	39.2	39.2
6-7 AM	410	0.0	73	0.0	1500	410	0	73	0.46	0	65.6	63.8	43.8	38.8	38.8
7-8 AM	605	0.0	109	0.0	1500	605	0	109	0.48	0	65.3	63.4	43.1	38.4	38.4
8-9 AM	932	0.0	167	0.0	1500	932	0	167	0.51	0	64.6	62.7	41.9	37.7	37.7
9-10 AM	1347	0.0	242	0.0	1499	1347	0	242	0.82	0	63.9	60.9	34.5	36.8	36.8
10-11 AM	1762	0.0	316	0.0	1499	1762	0	316	4.71	109	63.1	49.4	30.8	35.8	35.8
11A-NOON	2046	0.0	366	0.0	1500	1944	102	468	18.85	502	62.6	29.8	30.8	35.2	33.9
NOON-1PM	2170	0.0	388	0.0	1499	1636	534	923	29.85	787	62.3	22.8	30.8	34.9	28.3
1-2 PM	2114	0.0	379	0.0	1499	1487	627	1005	31.65	834	62.5	22.0	30.8	35.0	27.3
2-3 PM	2165	0.0	388	0.0	1499	1529	636	1024	32.04	845	62.3	21.8	30.8	34.9	27.0
3-4 PM	2155	0.0	386	0.0	1499	1499	655	1041	32.44	856	62.3	21.6	30.8	35.0	26.8
4-5 PM	2225	0.0	399	0.0	1499	1535	690	1089	33.53	886	62.2	21.1	30.8	34.8	26.2
5-6 PM	1949	0.0	349	0.0	1499	1335	614	964	30.83	812	62.8	22.4	30.8	35.4	27.8
6-7 PM	1704	0.0	306	0.0	1499	1355	348	654	25.12	654	63.2	25.5	30.8	36.0	31.6
7-8 PM	1378	0.0	247	0.0	1499	1324	54	301	19.42	497	63.8	29.6	30.8	36.7	36.0
8-9 PM	1119	0.0	200	0.0	1499	1119	0	200	8.83	230	64.3	42.0	33.8	37.3	37.3
9-10 PM	920	0.0	164	0.0	1500	920	0	164	0.54	0	64.6	62.7	42.0	37.7	37.7
10-11 PM	582	0.0	105	0.0	1500	582	0	105	0.48	0	65.3	63.5	43.2	38.4	38.4
11PM-MID	456	0.0	82	0.0	1500	456	0	82	0.47	0	65.5	63.7	43.7	38.8	38.8

----- 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	0.0778
MAIN ROUTE WITH WORKS	0.0641
DIVERSION	0.2387

PIA: Personal Injury Accidents

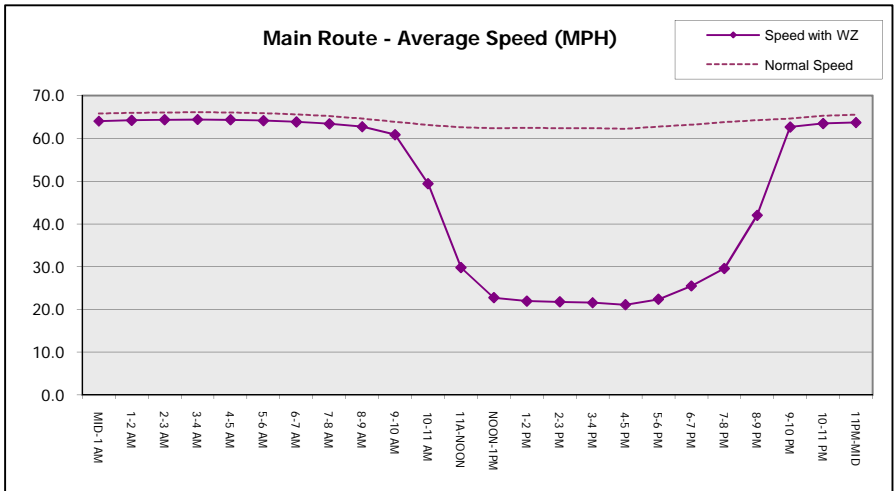
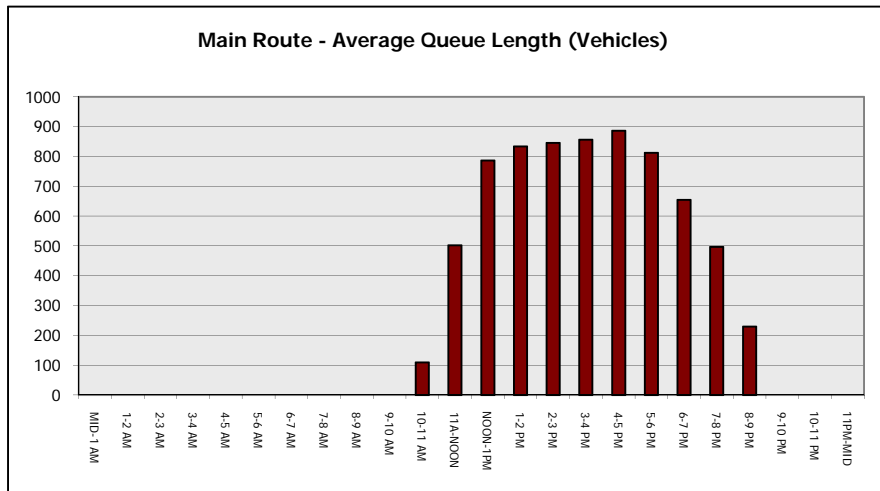
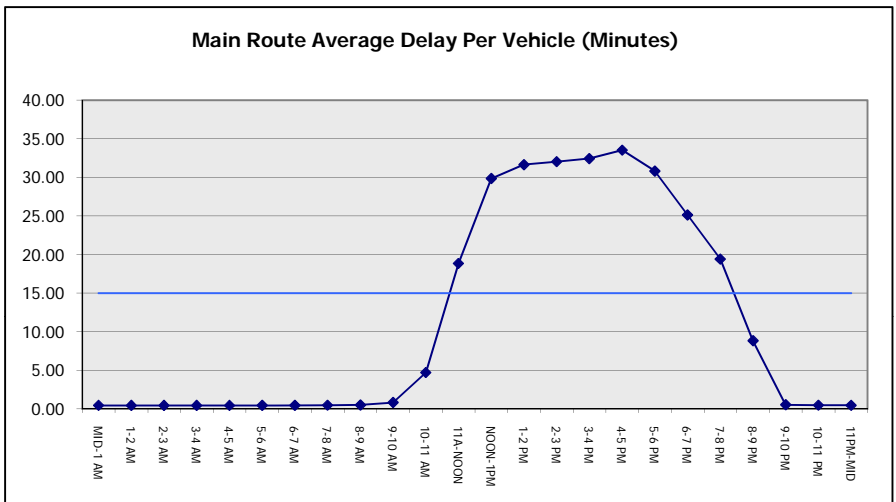
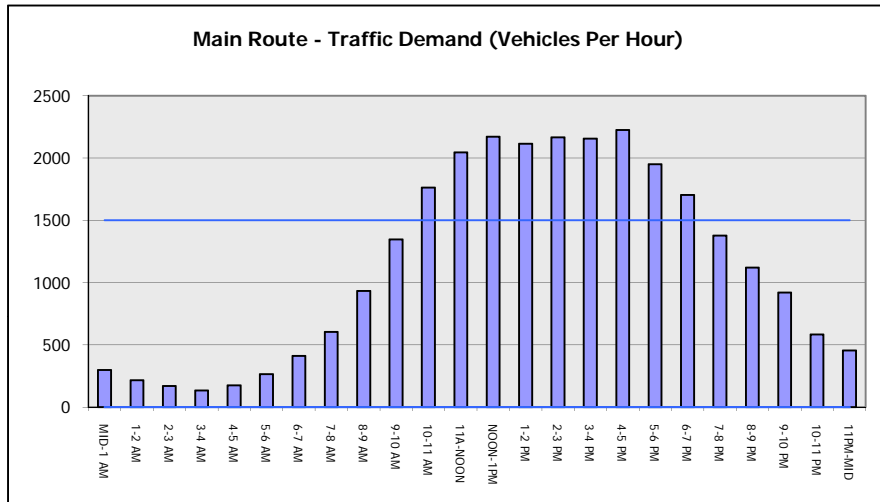
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$169,269
CONGESTED HOURS PER DAY*	9

*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
SUNDAY 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

SUNDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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		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	344	0.0	62	0.0	1500	344	0	62	0.46	0	65.8	64.0	44.1	39.0	39.0
1-2 AM	265	0.0	47	0.0	1500	265	0	47	0.45	0	65.9	64.1	44.4	39.2	39.2
2-3 AM	215	0.0	39	0.0	1500	215	0	39	0.44	0	66.0	64.2	44.6	39.2	39.2
3-4 AM	180	0.0	32	0.0	1500	180	0	32	0.44	0	66.1	64.3	44.8	39.4	39.4
4-5 AM	183	0.0	32	0.0	1500	183	0	32	0.44	0	66.1	64.3	44.8	39.4	39.4
5-6 AM	228	0.0	41	0.0	1500	228	0	41	0.44	0	66.0	64.2	44.6	39.2	39.2
6-7 AM	379	0.0	68	0.0	1500	379	0	68	0.46	0	65.7	63.9	44.0	38.9	38.9
7-8 AM	631	0.0	113	0.0	1500	631	0	113	0.48	0	65.2	63.3	43.0	38.3	38.3
8-9 AM	1074	0.0	193	0.0	1499	1074	0	193	0.57	0	64.4	62.2	40.2	37.3	37.3
9-10 AM	1634	0.0	293	0.0	1499	1634	0	293	2.18	34	63.3	56.1	30.9	36.1	36.1
10-11 AM	2226	0.0	399	0.0	1500	2138	87	486	16.45	459	62.2	31.9	30.8	34.8	33.7
11A-NOON	2682	0.0	480	0.0	1500	1926	756	1236+	36.40	995	59.0	19.7	30.8	33.8	24.4
NOON-1PM	3046	0.0	545	0.0	1500	1765	1282	1827+	49.53	1378	55.3	15.6	30.8	33.0	19.3
1-2 PM	3122	0.0	559	0.0	1500	1498	1625	2183+	51.76	1444	54.5	15.0	30.8	32.8	18.6
2-3 PM	3286	0.0	588	0.0	1500	1499	1787	2375+	51.14	1444	52.8	15.0	30.8	32.4	18.6
3-4 PM	3320	0.0	594	0.0	1500	1499	1821	2415+	51.01	1444	52.5	15.0	30.8	32.4	18.6
4-5 PM	3235	0.0	580	0.0	1500	1499	1736	2316+	51.34	1444	53.3	15.0	30.8	32.5	18.6
5-6 PM	2760	0.0	494	0.0	1500	1444	1317	1810+	52.50	1430	58.2	15.2	30.8	33.6	18.8
6-7 PM	2441	0.0	437	0.0	1500	1285	1157	1594+	49.29	1319	61.5	16.1	30.8	34.3	19.9
7-8 PM	1864	0.0	334	0.0	1500	1028	835	1169	35.72	952	62.9	20.3	30.8	35.6	25.2
8-9 PM	1379	0.0	247	0.0	1499	1200	179	426	21.49	557	63.8	28.0	30.8	36.7	34.5
9-10 PM	928	0.0	166	0.0	1499	928	0	166	5.99	174	64.6	47.5	37.8	37.7	37.7
10-11 PM	632	0.0	113	0.0	1500	632	0	113	0.48	0	65.2	63.3	43.0	38.3	38.3
11PM-MID	456	0.0	82	0.0	1500	456	0	82	0.47	0	65.5	63.7	43.7	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	0.1040
MAIN ROUTE WITH WORKS	0.0666
DIVERSION	0.4986

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$418,134
CONGESTED HOURS PER DAY*	11

*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
SUNDAY EASTBOUND DIRECTION

