

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 73 - USH 12	MAY
	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	288	0.0	51	0.0	1500	288	0	51	0.45	0	65.8	64.1	44.3	39.1	39.1
1-2 AM	197	0.0	36	0.0	1500	197	0	36	0.44	0	66.0	64.3	44.7	39.3	39.3
2-3 AM	177	0.0	31	0.0	1500	177	0	31	0.44	0	66.1	64.3	44.8	39.4	39.4
3-4 AM	163	0.0	29	0.0	1500	163	0	29	0.44	0	66.1	64.3	44.8	39.4	39.4
4-5 AM	172	0.0	30	0.0	1500	172	0	30	0.44	0	66.1	64.3	44.8	39.4	39.4
5-6 AM	296	0.0	53	0.0	1500	296	0	53	0.45	0	65.8	64.1	44.3	39.1	39.1
6-7 AM	445	0.0	80	0.0	1500	445	0	80	0.47	0	65.6	63.7	43.7	38.8	38.8
7-8 AM	692	0.0	123	0.0	1500	692	0	123	0.49	0	65.1	63.2	42.8	38.2	38.2
8-9 AM	1001	0.0	179	0.0	1500	1001	0	179	0.52	0	64.5	62.6	41.7	37.5	37.5
9-10 AM	1342	0.0	241	0.0	1499	1342	0	241	0.82	0	63.9	60.9	34.5	36.8	36.8
10-11 AM	1707	0.0	306	0.0	1499	1707	0	306	4.07	88	63.2	51.0	30.8	36.0	36.0
11A-NOON	1809	0.0	324	0.0	1500	1809	0	324	13.85	357	63.0	34.8	30.8	35.7	35.7
NOON-1PM	1836	0.0	329	0.0	1499	1629	207	535	23.18	602	63.0	26.7	30.8	35.6	33.1
1-2 PM	1811	0.0	324	0.0	1499	1498	313	637	24.79	645	63.0	25.6	30.8	35.7	31.9
2-3 PM	1810	0.0	324	0.0	1500	1500	311	635	24.76	644	63.0	25.7	30.8	35.7	31.9
3-4 PM	1788	0.0	320	0.0	1499	1490	298	618	24.50	637	63.0	25.8	30.8	35.8	32.0
4-5 PM	1804	0.0	323	0.0	1500	1503	301	624	24.59	639	63.0	25.8	30.8	35.7	32.0
5-6 PM	1667	0.0	298	0.0	1499	1432	235	533	23.23	601	63.3	26.7	30.8	36.0	33.1
6-7 PM	1487	0.0	267	0.0	1499	1419	68	335	20.48	525	63.6	28.8	30.8	36.5	35.6
7-8 PM	1316	0.0	235	0.0	1499	1316	0	235	16.01	405	64.0	32.7	30.8	36.8	36.8
8-9 PM	1165	0.0	208	0.0	1499	1165	0	208	5.93	151	64.2	47.4	34.5	37.1	37.1
9-10 PM	856	0.0	153	0.0	1500	856	0	153	0.51	0	64.8	62.8	42.2	37.8	37.8
10-11 PM	651	0.0	116	0.0	1500	651	0	116	0.49	0	65.1	63.3	42.9	38.3	38.3
11PM-MID	452	0.0	81	0.0	1500	452	0	81	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 (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	0.0710
MAIN ROUTE WITH WORKS	0.0646
DIVERSION	0.1616

PIA: Personal Injury Accidents

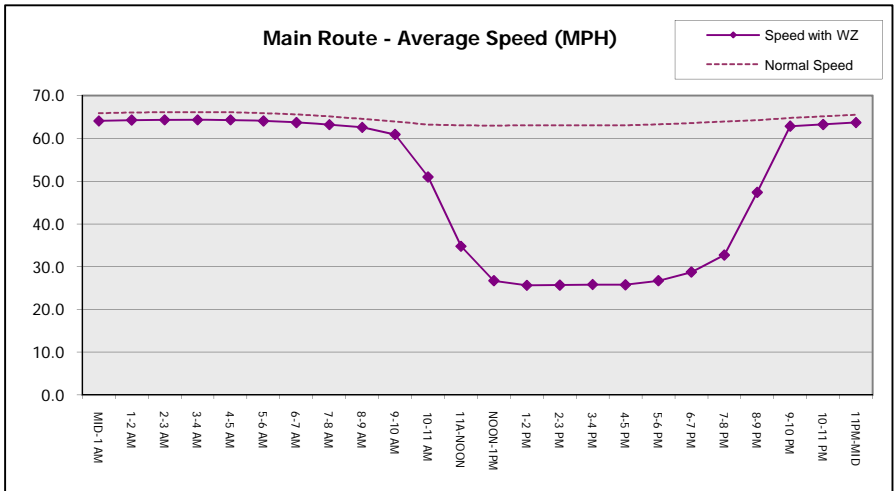
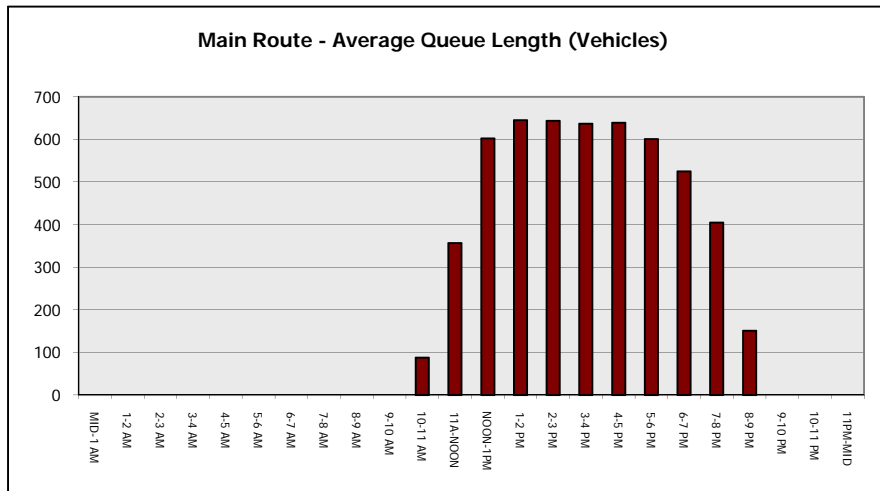
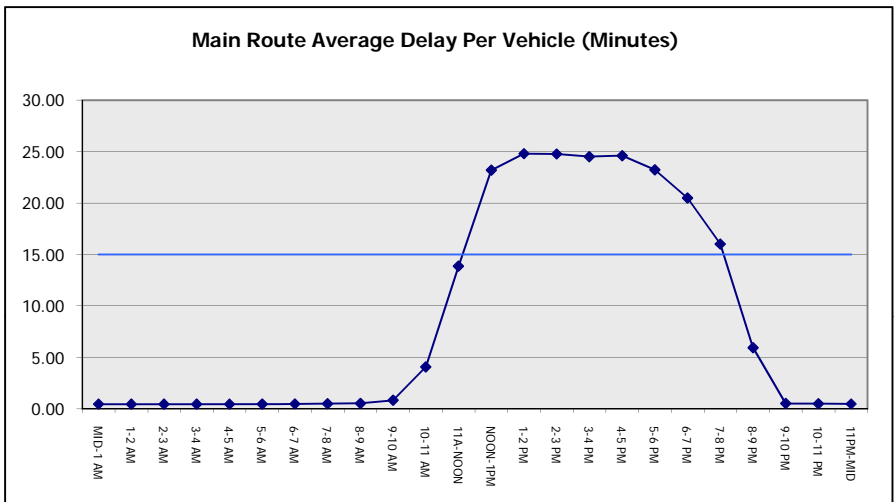
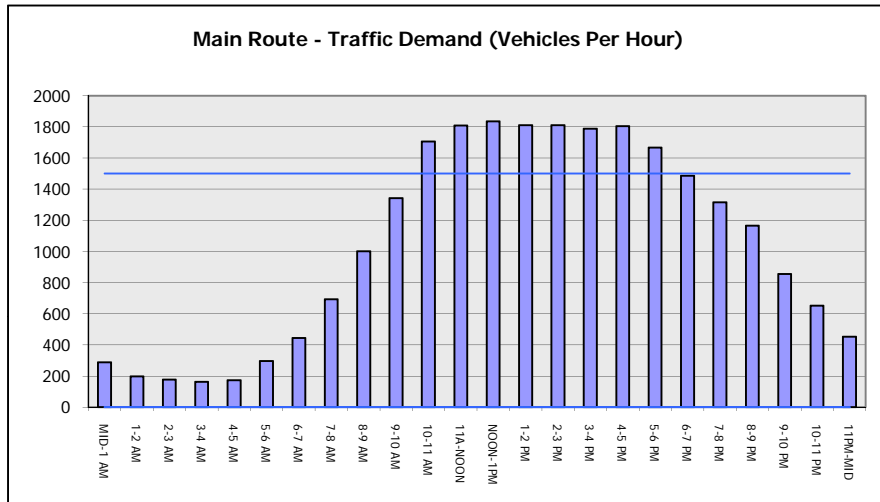
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$104,930
CONGESTED HOURS PER DAY*	8

*Delays Exceeding 15 Minutes

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

MAY
 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	MAY
	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	318	0.0	57	0.0	1500	318	0	57	0.45	0	65.8	64.0	44.2	39.1	39.1
1-2 AM	215	0.0	39	0.0	1500	215	0	39	0.44	0	66.0	64.2	44.6	39.2	39.2
2-3 AM	176	0.0	31	0.0	1500	176	0	31	0.44	0	66.1	64.3	44.8	39.4	39.4
3-4 AM	150	0.0	27	0.0	1500	150	0	27	0.44	0	66.1	64.4	44.9	39.4	39.4
4-5 AM	157	0.0	28	0.0	1500	157	0	28	0.44	0	66.1	64.3	44.8	39.4	39.4
5-6 AM	215	0.0	39	0.0	1500	215	0	39	0.44	0	66.0	64.2	44.6	39.2	39.2
6-7 AM	377	0.0	67	0.0	1500	377	0	67	0.46	0	65.7	63.9	44.0	38.9	38.9
7-8 AM	636	0.0	114	0.0	1500	636	0	114	0.48	0	65.2	63.3	43.0	38.3	38.3
8-9 AM	1018	0.0	182	0.0	1499	1018	0	182	0.52	0	64.5	62.5	41.6	37.5	37.5
9-10 AM	1441	0.0	258	0.0	1499	1441	0	258	1.06	3	63.7	59.9	32.5	36.5	36.5
10-11 AM	1729	0.0	310	0.0	1500	1729	0	310	4.93	113	63.2	48.9	30.8	35.9	35.9
11A-NOON	1955	0.0	351	0.0	1500	1907	47	398	17.29	458	62.7	31.2	30.8	35.4	34.8
NOON-1PM	1982	0.0	355	0.0	1499	1581	401	755	26.72	699	62.7	24.5	30.8	35.3	30.4
1-2 PM	2029	0.0	363	0.0	1499	1538	491	854	28.55	749	62.6	23.5	30.8	35.2	29.1
2-3 PM	2146	0.0	384	0.0	1500	1569	577	961	30.67	808	62.4	22.4	30.8	35.0	27.8
3-4 PM	2124	0.0	381	0.0	1500	1494	631	1011	31.78	838	62.4	21.9	30.8	35.0	27.2
4-5 PM	2062	0.0	369	0.0	1500	1463	600	969	30.89	813	62.5	22.4	30.8	35.1	27.7
5-6 PM	2031	0.0	364	0.0	1500	1475	556	921	29.88	785	62.6	22.9	30.8	35.2	28.3
6-7 PM	1895	0.0	339	0.0	1500	1420	475	814	27.85	729	62.8	23.9	30.8	35.5	29.6
7-8 PM	1759	0.0	315	0.0	1500	1417	342	657	25.13	654	63.1	25.5	30.8	35.8	31.6
8-9 PM	1368	0.0	245	0.0	1499	1295	72	317	19.63	503	63.8	29.4	30.8	36.7	35.8
9-10 PM	1116	0.0	200	0.0	1499	1116	0	200	8.76	229	64.3	42.2	34.0	37.3	37.3
10-11 PM	744	0.0	133	0.0	1500	744	0	133	0.50	0	65.0	63.1	42.6	38.1	38.1
11PM-MID	506	0.0	91	0.0	1500	506	0	91	0.47	0	65.5	63.6	43.5	38.6	38.6

----- 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	0.0802
MAIN ROUTE WITH WORKS	0.0667
DIVERSION	0.2408

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$162,816
CONGESTED HOURS PER DAY*	10

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 73 - USH 12**

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY EASTBOUND DIRECTION

