

IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: USH 14 - USH 51	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	386	0.0	46	0.0	1500	386	0	46	0.46	0	65.6	63.0	44.0	39.2	39.2
1-2 AM	315	0.0	38	0.0	1500	315	0	38	0.45	0	65.8	63.2	44.2	39.2	39.2
2-3 AM	341	0.0	41	0.0	1500	341	0	41	0.46	0	65.8	63.1	44.2	39.2	39.2
3-4 AM	312	0.0	38	0.0	1500	312	0	38	0.45	0	65.8	63.2	44.2	39.2	39.2
4-5 AM	428	0.0	51	0.0	1500	428	0	51	0.46	0	65.6	62.9	43.8	39.1	39.1
5-6 AM	799	0.0	97	0.0	1500	799	0	97	0.50	0	64.9	62.1	42.4	38.6	38.6
6-7 AM	1313	0.0	159	0.0	1500	1313	0	159	0.78	0	64.0	59.8	35.1	37.8	37.8
7-8 AM	1465	0.0	177	0.0	1500	1465	0	177	0.98	0	63.7	58.6	31.5	37.6	37.6
8-9 AM	1392	0.0	169	0.0	1499	1392	0	169	0.88	0	63.8	59.2	33.2	37.6	37.6
9-10 AM	1497	0.0	181	0.0	1499	1497	0	181	1.16	4	63.6	57.7	31.2	37.5	37.5
10-11 AM	1716	0.0	208	0.0	1500	1716	0	208	4.96	114	63.2	44.0	30.8	37.1	37.1
11A-NOON	1882	0.0	227	0.0	1499	1645	237	464	13.29	336	62.9	29.1	30.8	36.9	34.0
NOON-1PM	1927	0.0	233	0.0	1499	1514	413	645	15.19	385	62.8	27.0	30.8	36.8	31.7
1-2 PM	2023	0.0	245	0.0	1500	1534	489	734	16.11	411	62.6	26.1	30.8	36.7	30.6
2-3 PM	2145	0.0	259	0.0	1500	1547	598	857	17.53	451	62.4	24.8	30.8	36.5	29.1
3-4 PM	2344	0.0	284	0.0	1500	1582	762	1046	20.00	520	62.0	22.8	30.8	36.2	26.8
4-5 PM	2461	0.0	297	0.0	1499	1553	908	1205+	22.39	587	61.3	21.1	30.8	36.1	24.8
5-6 PM	2446	0.0	296	0.0	1499	1486	960	1256+	23.31	612	61.4	20.6	30.8	36.1	24.2
6-7 PM	2123	0.0	256	0.0	1499	1354	768	1025	19.77	513	62.4	23.0	30.8	36.6	27.0
7-8 PM	1906	0.0	231	0.0	1500	1423	484	714	15.94	406	62.8	26.3	30.8	36.9	30.9
8-9 PM	1667	0.0	202	0.0	1500	1426	240	442	13.31	333	63.3	29.1	30.8	37.3	34.3
9-10 PM	1235	0.0	149	0.0	1499	1229	7	156	7.34	185	64.1	38.8	33.0	37.9	37.8
10-11 PM	863	0.0	104	0.0	1500	863	0	104	0.53	0	64.8	61.9	42.2	38.4	38.4
11PM-MID	517	0.0	63	0.0	1500	517	0	63	0.47	0	65.4	62.7	43.5	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	0.0640
MAIN ROUTE WITH WORKS	0.0509
DIVERSION	0.1643

PIA: Personal Injury Accidents

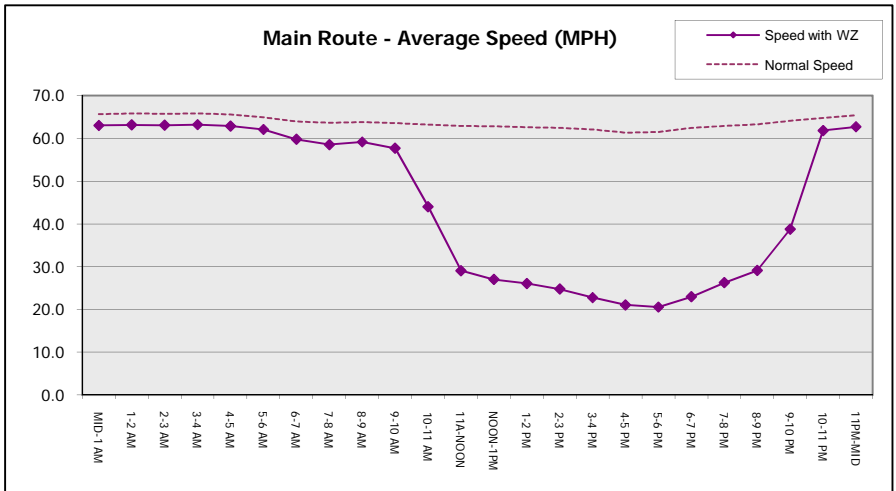
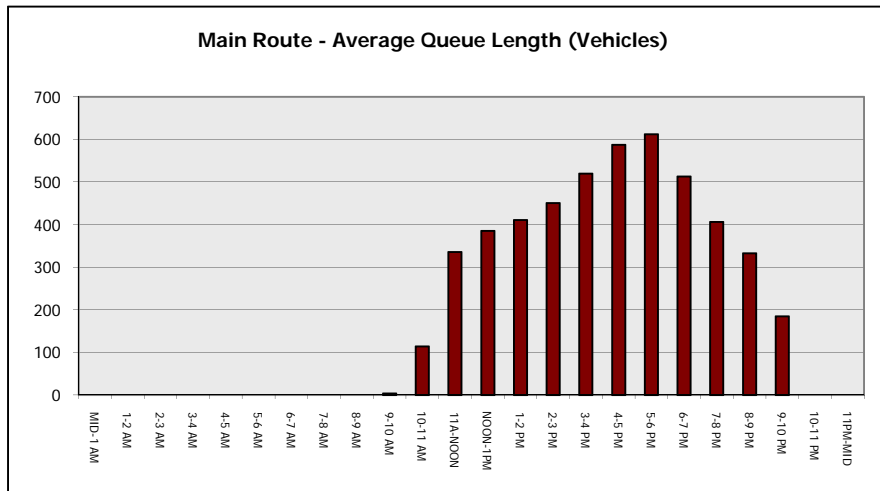
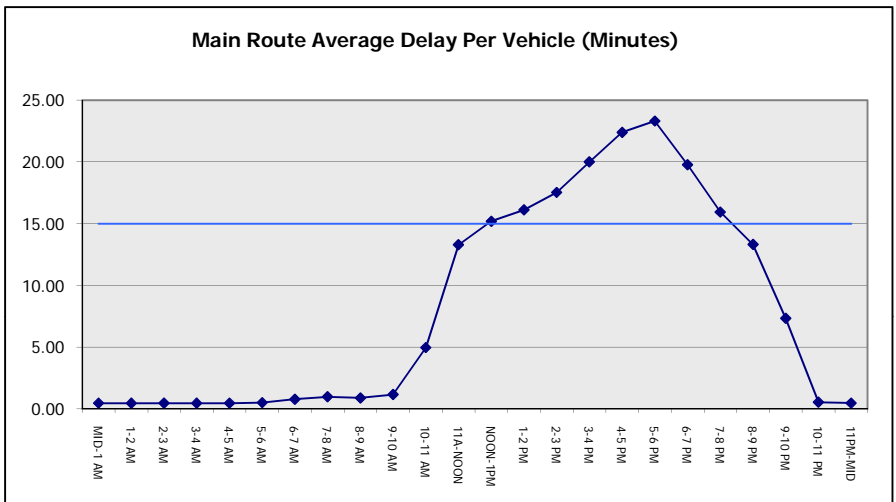
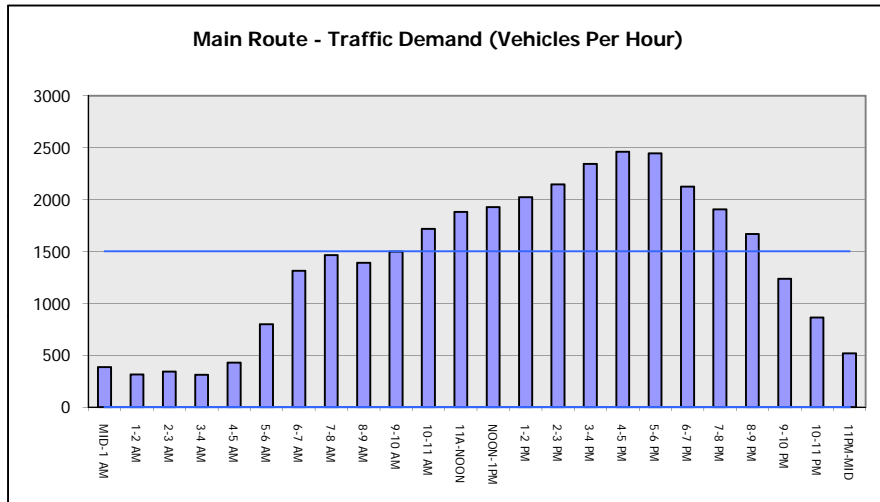
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$98,192
CONGESTED HOURS PER DAY*	8

*Delays Exceeding 15 Minutes

**IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: USH 14 - USH 51**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: USH 14 - USH 51	OCTOBER
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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	339	0.0	41	0.0	1500	339	0	41	0.46	0	65.8	63.2	44.2	39.2	39.2
1-2 AM	291	0.0	35	0.0	1500	291	0	35	0.45	0	65.8	63.2	44.3	39.3	39.3
2-3 AM	285	0.0	34	0.0	1500	285	0	34	0.45	0	65.8	63.2	44.3	39.3	39.3
3-4 AM	345	0.0	42	0.0	1500	345	0	42	0.46	0	65.8	63.1	44.1	39.2	39.2
4-5 AM	398	0.0	48	0.0	1500	398	0	48	0.46	0	65.6	63.0	43.9	39.1	39.1
5-6 AM	493	0.0	60	0.0	1500	493	0	60	0.47	0	65.5	62.8	43.5	39.0	39.0
6-7 AM	778	0.0	94	0.0	1500	778	0	94	0.50	0	65.0	62.2	42.5	38.6	38.6
7-8 AM	1076	0.0	130	0.0	1500	1076	0	130	0.53	0	64.4	61.5	41.4	38.1	38.1
8-9 AM	1215	0.0	147	0.0	1500	1215	0	147	0.66	0	64.1	60.6	38.0	37.9	37.9
9-10 AM	1337	0.0	162	0.0	1500	1337	0	162	0.81	0	63.9	59.6	34.5	37.8	37.8
10-11 AM	1445	0.0	175	0.0	1499	1445	0	175	0.95	0	63.7	58.7	32.0	37.6	37.6
11A-NOON	1584	0.0	191	0.0	1499	1584	0	191	2.17	32	63.4	53.2	30.8	37.4	37.4
NOON-1PM	1750	0.0	212	0.0	1500	1750	0	212	8.06	199	63.2	36.9	30.8	37.1	37.1
1-2 PM	1893	0.0	229	0.0	1499	1551	341	570	14.44	365	62.8	27.8	30.8	36.9	32.7
2-3 PM	2005	0.0	243	0.0	1499	1537	468	711	15.86	404	62.7	26.3	30.8	36.7	30.9
3-4 PM	2166	0.0	262	0.0	1500	1558	608	871	17.68	455	62.3	24.6	30.8	36.5	28.9
4-5 PM	2273	0.0	275	0.0	1500	1537	736	1011	19.52	506	62.2	23.2	30.8	36.3	27.2
5-6 PM	2164	0.0	261	0.0	1499	1443	720	982	19.15	495	62.3	23.5	30.8	36.5	27.6
6-7 PM	1729	0.0	209	0.0	1499	1352	377	586	14.65	372	63.2	27.6	30.8	37.1	32.5
7-8 PM	1371	0.0	166	0.0	1500	1349	22	188	10.19	249	63.8	33.5	30.8	37.7	37.4
8-9 PM	1050	0.0	127	0.0	1500	1050	0	127	1.60	32	64.5	56.3	39.9	38.2	38.2
9-10 PM	932	0.0	112	0.0	1500	932	0	112	0.51	0	64.6	61.8	41.9	38.4	38.4
10-11 PM	748	0.0	91	0.0	1500	748	0	91	0.49	0	65.0	62.2	42.6	38.6	38.6
11PM-MID	520	0.0	63	0.0	1500	520	0	63	0.47	0	65.4	62.7	43.4	38.9	38.9

----- 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	0.0538
MAIN ROUTE WITH WORKS	0.0459
DIVERSION	0.1107

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$60,450
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: USH 14 - USH 51**

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

