

**IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: USH 14 - 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	434	0.0	53	0.0	1500	434	0	53	0.46	0	65.6	62.9	43.8	39.1	39.1
1-2 AM	331	0.0	40	0.0	1500	331	0	40	0.45	0	65.8	63.2	44.2	39.2	39.2
2-3 AM	342	0.0	41	0.0	1500	342	0	41	0.46	0	65.8	63.1	44.1	39.2	39.2
3-4 AM	334	0.0	40	0.0	1500	334	0	40	0.45	0	65.8	63.2	44.2	39.2	39.2
4-5 AM	453	0.0	55	0.0	1500	453	0	55	0.47	0	65.5	62.8	43.7	39.1	39.1
5-6 AM	886	0.0	107	0.0	1500	886	0	107	0.51	0	64.7	61.9	42.1	38.4	38.4
6-7 AM	1374	0.0	167	0.0	1500	1374	0	167	0.86	0	63.8	59.3	33.6	37.7	37.7
7-8 AM	1460	0.0	177	0.0	1500	1460	0	177	0.97	0	63.7	58.6	31.6	37.6	37.6
8-9 AM	1439	0.0	174	0.0	1499	1439	0	174	0.95	0	63.7	58.8	32.1	37.6	37.6
9-10 AM	1552	0.0	187	0.0	1499	1552	0	187	1.77	20	63.5	55.0	30.8	37.4	37.4
10-11 AM	1613	0.0	196	0.0	1500	1613	0	196	4.86	106	63.4	44.4	30.8	37.3	37.3
11A-NOON	1643	0.0	199	0.0	1500	1641	2	201	9.54	233	63.3	34.4	30.8	37.3	37.3
NOON-1PM	1714	0.0	207	0.0	1499	1525	189	396	12.89	322	63.2	29.6	30.8	37.2	34.8
1-2 PM	1757	0.0	213	0.0	1499	1512	245	458	13.43	336	63.1	29.0	30.8	37.1	34.0
2-3 PM	1829	0.0	221	0.0	1500	1521	308	530	14.07	354	63.0	28.3	30.8	37.0	33.2
3-4 PM	1901	0.0	231	0.0	1500	1522	379	610	14.83	376	62.8	27.4	30.8	36.9	32.2
4-5 PM	1974	0.0	239	0.0	1500	1518	456	695	15.70	400	62.7	26.5	30.8	36.8	31.1
5-6 PM	1870	0.0	227	0.0	1499	1467	403	630	15.05	381	62.9	27.1	30.8	36.9	31.9
6-7 PM	1902	0.0	231	0.0	1500	1508	394	625	14.99	380	62.8	27.2	30.8	36.9	32.0
7-8 PM	1757	0.0	212	0.0	1499	1453	304	516	13.96	351	63.1	28.4	30.8	37.1	33.3
8-9 PM	1610	0.0	195	0.0	1500	1456	154	349	12.52	311	63.4	30.1	30.8	37.3	35.4
9-10 PM	1238	0.0	150	0.0	1499	1238	0	150	7.17	180	64.1	39.1	32.9	37.9	37.9
10-11 PM	880	0.0	106	0.0	1500	880	0	106	0.53	0	64.8	61.8	42.1	38.4	38.4
11PM-MID	582	0.0	70	0.0	1500	582	0	70	0.48	0	65.3	62.6	43.2	38.9	38.9

----- 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	0.0590
MAIN ROUTE WITH WORKS	0.0517
DIVERSION	0.1089

PIA: Personal Injury Accidents

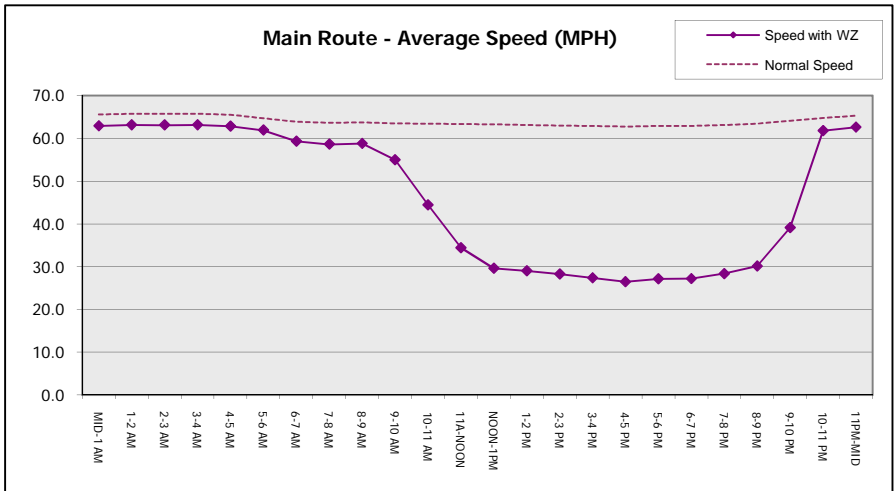
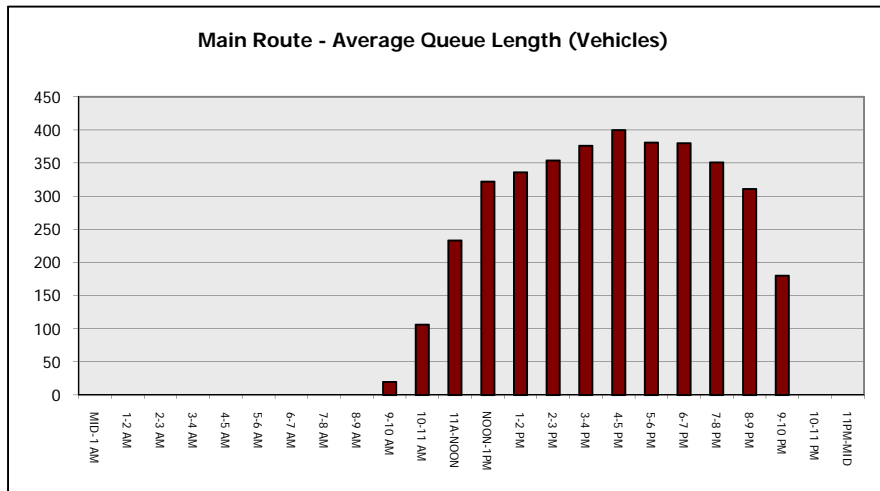
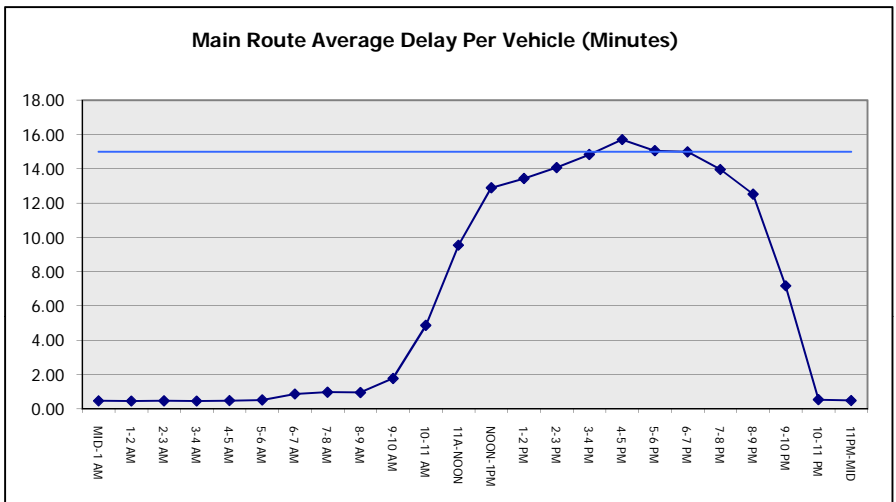
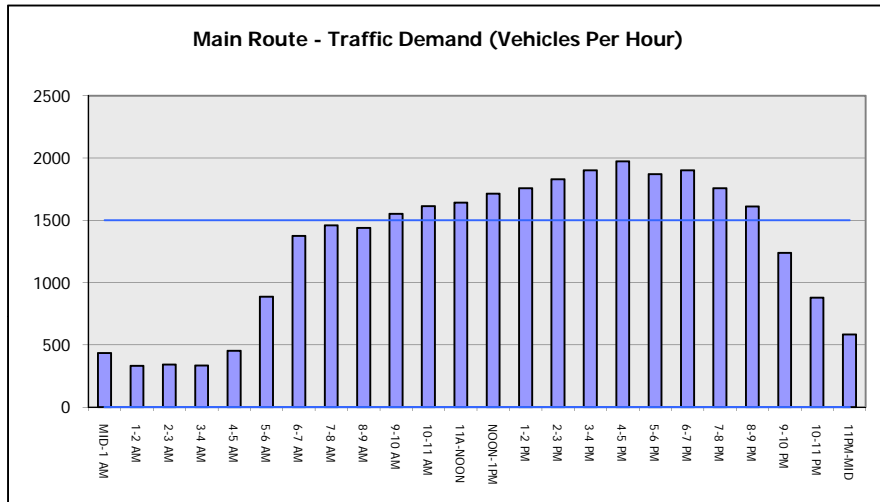
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$64,234
CONGESTED HOURS PER DAY*	2

*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**

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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	MAY
	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			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	371	0.0	45	0.0	1500	371	0	45	0.46	0	65.7	63.0	44.0	39.2	39.2
1-2 AM	323	0.0	39	0.0	1500	323	0	39	0.45	0	65.8	63.2	44.2	39.2	39.2
2-3 AM	318	0.0	38	0.0	1500	318	0	38	0.45	0	65.8	63.2	44.2	39.2	39.2
3-4 AM	353	0.0	42	0.0	1500	353	0	42	0.46	0	65.7	63.1	44.1	39.2	39.2
4-5 AM	386	0.0	46	0.0	1500	386	0	46	0.46	0	65.6	63.0	44.0	39.2	39.2
5-6 AM	488	0.0	59	0.0	1500	488	0	59	0.47	0	65.5	62.8	43.5	39.0	39.0
6-7 AM	761	0.0	92	0.0	1500	761	0	92	0.50	0	65.0	62.2	42.5	38.6	38.6
7-8 AM	1027	0.0	125	0.0	1500	1027	0	125	0.52	0	64.5	61.6	41.6	38.2	38.2
8-9 AM	1125	0.0	136	0.0	1500	1125	0	136	0.54	0	64.3	61.4	41.0	38.1	38.1
9-10 AM	1226	0.0	148	0.0	1500	1226	0	148	0.67	0	64.1	60.5	37.6	37.9	37.9
10-11 AM	1266	0.0	153	0.0	1500	1266	0	153	0.72	0	64.0	60.2	36.5	37.8	37.8
11A-NOON	1397	0.0	169	0.0	1500	1397	0	169	0.89	0	63.8	59.1	33.0	37.6	37.6
NOON-1PM	1425	0.0	172	0.0	1499	1425	0	172	0.93	0	63.7	58.9	32.4	37.6	37.6
1-2 PM	1568	0.0	190	0.0	1499	1568	0	190	2.00	27	63.5	53.9	30.8	37.4	37.4
2-3 PM	1627	0.0	197	0.0	1500	1627	0	197	5.72	129	63.3	42.2	30.8	37.3	37.3
3-4 PM	1625	0.0	197	0.0	1499	1609	16	213	10.25	251	63.3	33.3	30.8	37.3	37.1
4-5 PM	1754	0.0	212	0.0	1499	1535	219	431	13.18	330	63.1	29.2	30.8	37.1	34.4
5-6 PM	1656	0.0	201	0.0	1499	1468	188	389	12.85	320	63.3	29.7	30.8	37.3	34.9
6-7 PM	1523	0.0	184	0.0	1500	1463	60	245	11.70	288	63.5	31.2	30.8	37.4	36.7
7-8 PM	1258	0.0	152	0.0	1499	1258	0	152	6.65	163	64.0	40.2	32.5	37.9	37.9
8-9 PM	1060	0.0	129	0.0	1500	1060	0	129	0.56	1	64.4	61.4	41.4	38.1	38.1
9-10 PM	884	0.0	107	0.0	1500	884	0	107	0.51	0	64.7	61.9	42.1	38.4	38.4
10-11 PM	739	0.0	90	0.0	1500	739	0	90	0.49	0	65.0	62.2	42.6	38.6	38.6
11PM-MID	559	0.0	68	0.0	1500	559	0	68	0.48	0	65.3	62.7	43.3	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	0.0472
MAIN ROUTE WITH WORKS	0.0447
DIVERSION	0.0576

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$25,449
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

