

**IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)
CONTINUOUS (24 HOUR) 2 LANE CLOSURE
DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39**

MAY
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
MON-THUR 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	316	0.0	23	0.0	1500	316	0	23	0.51	0	70.2	66.6	44.2	39.4	39.4
1-2 AM	258	0.0	19	0.0	1500	258	0	19	0.50	0	70.2	66.6	44.5	39.5	39.5
2-3 AM	231	0.0	17	0.0	1500	231	0	17	0.50	0	70.2	66.6	44.6	39.6	39.6
3-4 AM	239	0.0	17	0.0	1500	239	0	17	0.50	0	70.2	66.6	44.5	39.6	39.6
4-5 AM	287	0.0	21	0.0	1500	287	0	21	0.51	0	70.2	66.6	44.3	39.5	39.5
5-6 AM	452	0.0	33	0.0	1500	452	0	33	0.53	0	70.2	66.4	43.7	39.3	39.3
6-7 AM	819	0.0	61	0.0	1500	819	0	61	0.57	0	69.7	65.8	42.3	39.0	39.0
7-8 AM	1224	0.0	90	0.0	1500	1224	0	90	0.74	0	69.2	64.3	37.7	38.6	38.6
8-9 AM	1342	0.0	99	0.0	1500	1342	0	99	0.89	0	69.1	63.2	34.4	38.5	38.5
9-10 AM	1400	0.0	104	0.0	1500	1400	0	104	0.97	0	69.0	62.7	33.0	38.4	38.4
10-11 AM	1477	0.0	109	0.0	1499	1477	0	109	1.07	0	68.9	62.0	31.2	38.4	38.4
11A-NOON	1495	0.0	111	0.0	1499	1495	0	111	1.11	0	68.9	61.8	30.9	38.4	38.4
NOON-1PM	1559	0.0	115	0.0	1500	1559	0	115	2.10	27	68.8	56.5	30.8	38.3	38.3
1-2 PM	1655	0.0	122	0.0	1500	1655	0	122	6.06	134	68.7	42.2	30.8	38.3	38.3
2-3 PM	1722	0.0	127	0.0	1500	1722	0	127	13.12	321	68.6	29.2	30.8	38.2	38.2
3-4 PM	1866	0.0	138	0.0	1500	1866	0	138	24.07	613	68.4	19.7	30.8	38.0	38.0
4-5 PM	1999	0.0	147	0.0	1500	1753	246	393	37.90	968	68.2	14.0	30.8	37.9	34.8
5-6 PM	1827	0.0	135	0.0	1500	1426	401	536	40.49	1033	68.4	13.2	30.8	38.1	33.1
6-7 PM	1358	0.0	99	0.0	1500	1263	95	194	34.04	865	69.1	15.2	30.8	38.5	37.3
7-8 PM	1069	0.0	78	0.0	1499	1069	0	78	21.31	545	69.4	21.5	31.1	38.8	38.8
8-9 PM	905	0.0	67	0.0	1499	905	0	67	3.07	89	69.6	52.7	40.6	38.9	38.9
9-10 PM	792	0.0	58	0.0	1500	792	0	58	0.56	0	69.7	65.8	42.4	39.0	39.0
10-11 PM	617	0.0	46	0.0	1500	617	0	46	0.55	0	70.0	66.2	43.0	39.2	39.2
11PM-MID	484	0.0	36	0.0	1500	484	0	36	0.53	0	70.1	66.4	43.6	39.3	39.3

----- 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	0.0448
MAIN ROUTE WITH WORKS	0.0419
DIVERSION	0.0851

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

ROAD USER COSTS PER DAY (DOLLARS)	\$72,845
CONGESTED HOURS PER DAY*	5

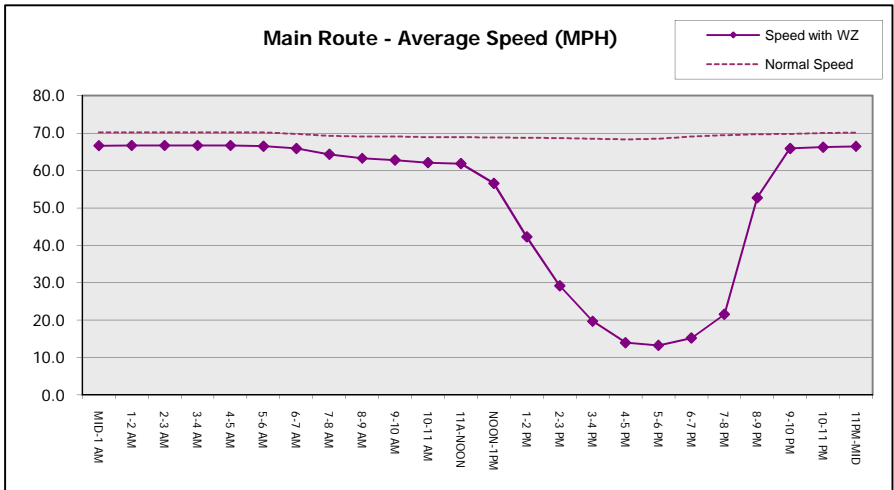
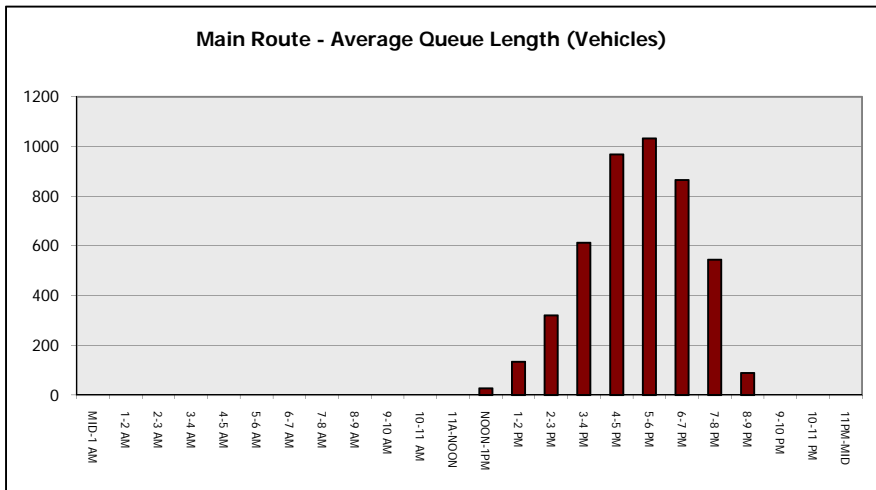
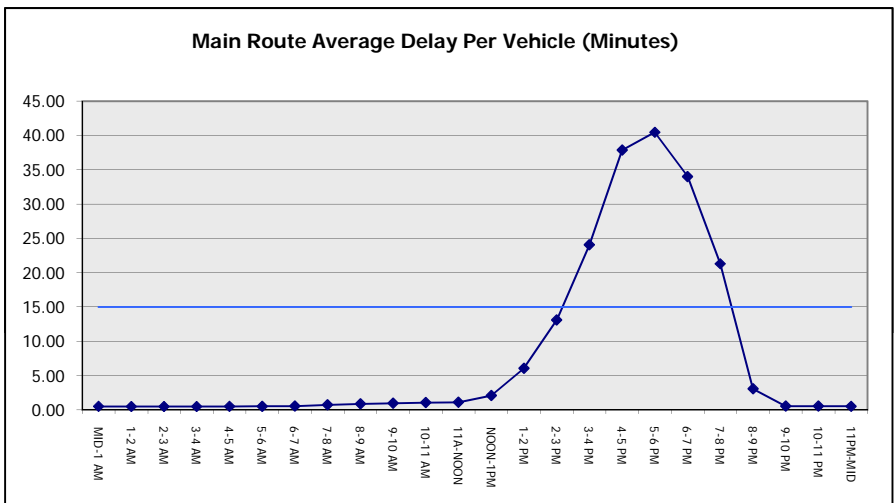
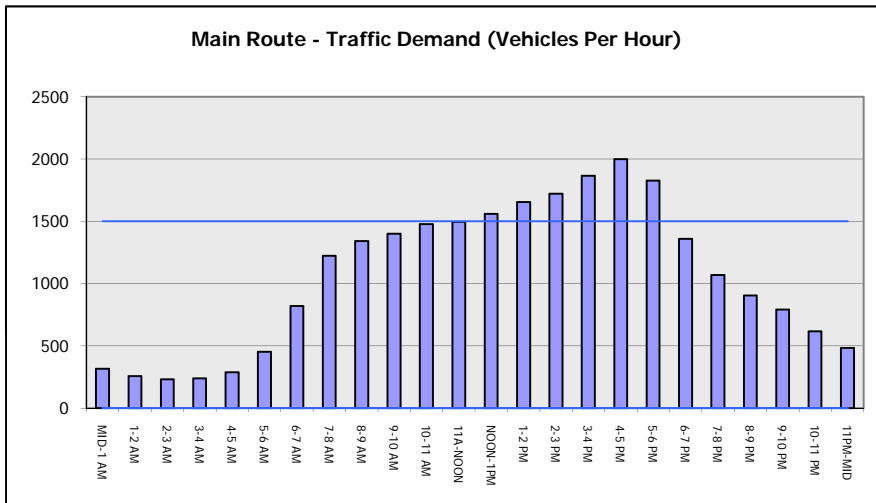
*Delays Exceeding 15 Minutes

IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)
CONTINUOUS (24 HOUR) 2 LANE CLOSURE
DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR WESTBOUND DIRECTION



IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	303	0.0	22	0.0	1500	303	0	22	0.51	0	70.2	66.6	44.3	39.5	39.5
1-2 AM	247	0.0	18	0.0	1500	247	0	18	0.50	0	70.2	66.6	44.5	39.5	39.5
2-3 AM	245	0.0	18	0.0	1500	245	0	18	0.50	0	70.2	66.6	44.5	39.5	39.5
3-4 AM	275	0.0	20	0.0	1500	275	0	20	0.51	0	70.2	66.6	44.4	39.5	39.5
4-5 AM	375	0.0	27	0.0	1500	375	0	27	0.52	0	70.2	66.5	44.0	39.4	39.4
5-6 AM	762	0.0	56	0.0	1500	762	0	56	0.56	0	69.8	65.9	42.5	39.1	39.1
6-7 AM	1176	0.0	87	0.0	1500	1176	0	87	0.67	0	69.2	64.7	39.2	38.7	38.7
7-8 AM	1242	0.0	91	0.0	1500	1242	0	91	0.76	0	69.2	64.1	37.1	38.6	38.6
8-9 AM	1222	0.0	90	0.0	1500	1222	0	90	0.74	0	69.2	64.3	37.8	38.6	38.6
9-10 AM	1354	0.0	99	0.0	1499	1354	0	99	0.91	0	69.1	63.1	34.1	38.5	38.5
10-11 AM	1510	0.0	111	0.0	1499	1510	0	111	1.29	5	68.9	60.8	31.1	38.4	38.4
11A-NOON	1628	0.0	119	0.0	1500	1628	0	119	4.04	80	68.7	48.5	30.8	38.3	38.3
NOON-1PM	1700	0.0	124	0.0	1500	1700	0	124	10.31	247	68.6	33.3	30.8	38.2	38.2
1-2 PM	1737	0.0	127	0.0	1500	1737	0	127	18.58	464	68.6	23.5	30.8	38.2	38.2
2-3 PM	1862	0.0	136	0.0	1500	1862	0	136	29.85	762	68.4	16.8	30.8	38.1	38.1
3-4 PM	1936	0.0	142	0.0	1499	1596	340	482	39.47	1006	68.3	13.5	30.8	38.0	33.8
4-5 PM	1971	0.0	145	0.0	1499	1518	453	598	41.66	1063	68.3	12.9	30.8	37.9	32.3
5-6 PM	1737	0.0	127	0.0	1499	1381	355	482	39.51	1007	68.6	13.5	30.8	38.2	33.8
6-7 PM	1425	0.0	105	0.0	1499	1351	73	178	34.32	870	69.0	15.2	30.8	38.4	37.5
7-8 PM	1156	0.0	84	0.0	1499	1156	0	84	25.20	638	69.3	19.1	30.8	38.7	38.7
8-9 PM	968	0.0	71	0.0	1499	968	0	71	6.72	203	69.6	40.9	37.1	38.9	38.9
9-10 PM	796	0.0	59	0.0	1500	796	0	59	0.56	0	69.7	65.8	42.4	39.0	39.0
10-11 PM	620	0.0	46	0.0	1500	620	0	46	0.55	0	70.0	66.1	43.0	39.2	39.2
11PM-MID	413	0.0	30	0.0	1500	413	0	30	0.52	0	70.2	66.5	43.8	39.4	39.4

----- 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	0.0471
MAIN ROUTE WITH WORKS	0.0432
DIVERSION	0.1034

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$100,955
CONGESTED HOURS PER DAY*	7

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) 2 LANE CLOSURE
DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

