

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	455	0.0	33	0.0	1500	455	0	33	0.53	0	70.2	66.4	43.7	39.3	39.3
1-2 AM	334	0.0	24	0.0	1500	334	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4
2-3 AM	261	0.0	19	0.0	1500	261	0	19	0.50	0	70.2	66.6	44.5	39.5	39.5
3-4 AM	260	0.0	19	0.0	1500	260	0	19	0.50	0	70.2	66.6	44.5	39.5	39.5
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	499	0.0	37	0.0	1500	499	0	37	0.53	0	70.1	66.4	43.5	39.3	39.3
6-7 AM	733	0.0	54	0.0	1500	733	0	54	0.56	0	69.8	66.0	42.7	39.1	39.1
7-8 AM	1233	0.0	91	0.0	1499	1233	0	91	0.75	0	69.2	64.2	37.7	38.6	38.6
8-9 AM	1702	0.0	126	0.0	OFF	1702	0	126	0.00	0	68.6	68.6	68.6	38.2	38.2
9-10 AM	2081	0.0	153	0.0	OFF	2081	0	153	0.00	0	68.1	68.1	68.1	37.8	37.8
10-11 AM	2339	0.0	172	0.0	OFF	2339	0	172	0.00	0	67.8	67.8	67.8	37.6	37.6
11A-NOON	2248	0.0	166	0.0	OFF	2248	0	166	0.00	0	67.9	67.9	67.9	37.7	37.7
NOON-1PM	2056	0.0	152	0.0	OFF	2056	0	152	0.00	0	68.2	68.2	68.2	37.9	37.9
1-2 PM	1992	0.0	147	0.0	OFF	1992	0	147	0.00	0	68.2	68.2	68.2	37.9	37.9
2-3 PM	1865	0.0	138	0.0	OFF	1865	0	138	0.00	0	68.4	68.4	68.4	38.0	38.0
3-4 PM	1960	0.0	145	0.0	OFF	1960	0	145	0.00	0	68.3	68.3	68.3	37.9	37.9
4-5 PM	1757	0.0	130	0.0	OFF	1757	0	130	0.00	0	68.6	68.6	68.6	38.1	38.1
5-6 PM	1627	0.0	120	0.0	OFF	1627	0	120	0.00	0	68.7	68.7	68.7	38.3	38.3
6-7 PM	1398	0.0	103	0.0	1500	1398	0	103	0.96	0	69.0	62.7	33.0	38.4	38.4
7-8 PM	1050	0.0	77	0.0	1500	1050	0	77	0.59	0	69.4	65.4	41.5	38.8	38.8
8-9 PM	821	0.0	61	0.0	1500	821	0	61	0.57	0	69.7	65.8	42.3	39.0	39.0
9-10 PM	656	0.0	49	0.0	1500	656	0	49	0.55	0	69.9	66.1	42.9	39.1	39.1
10-11 PM	500	0.0	37	0.0	1500	500	0	37	0.53	0	70.1	66.4	43.5	39.3	39.3
11PM-MID	343	0.0	25	0.0	1500	343	0	25	0.51	0	70.2	66.6	44.1	39.4	39.4

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0503
MAIN ROUTE WITH WORKS	0.0497
DIVERSION	0.0683

PIA: Personal Injury Accidents

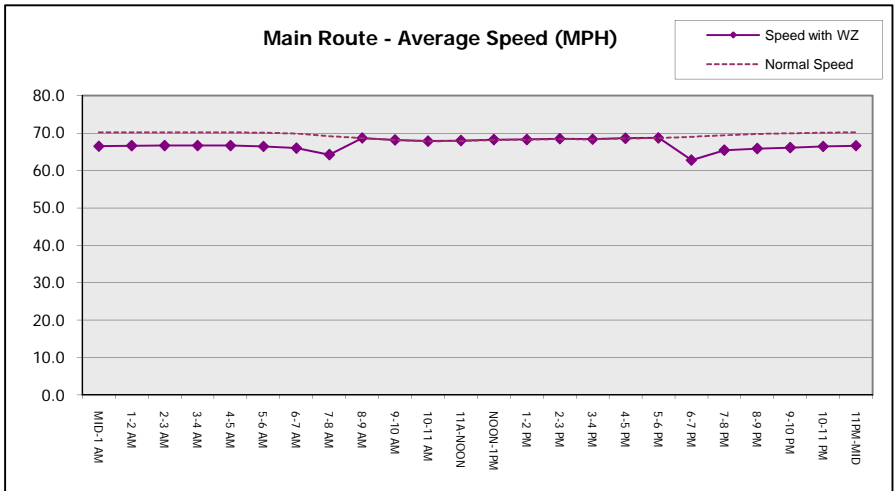
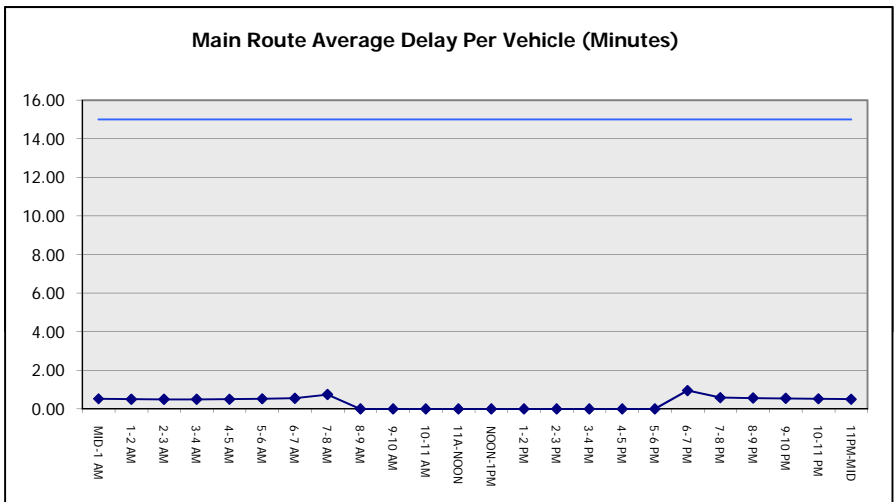
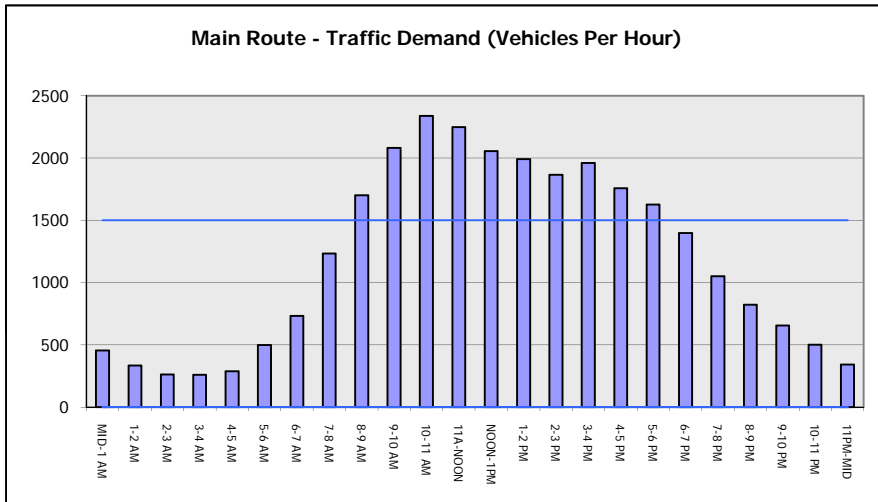
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,338
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	366	0.0	27	0.0	1500	366	0	27	0.52	0	70.2	66.6	44.0	39.4	39.4
1-2 AM	285	0.0	21	0.0	1500	285	0	21	0.51	0	70.2	66.6	44.3	39.5	39.5
2-3 AM	283	0.0	21	0.0	1500	283	0	21	0.51	0	70.2	66.6	44.3	39.5	39.5
3-4 AM	270	0.0	20	0.0	1500	270	0	20	0.51	0	70.2	66.6	44.4	39.5	39.5
4-5 AM	283	0.0	21	0.0	1500	283	0	21	0.51	0	70.2	66.6	44.3	39.5	39.5
5-6 AM	337	0.0	25	0.0	1500	337	0	25	0.51	0	70.2	66.6	44.2	39.4	39.4
6-7 AM	455	0.0	33	0.0	1500	455	0	33	0.53	0	70.2	66.4	43.7	39.3	39.3
7-8 AM	837	0.0	62	0.0	1500	837	0	62	0.57	0	69.7	65.8	42.2	39.0	39.0
8-9 AM	1381	0.0	101	0.0	OFF	1381	0	101	0.00	0	69.0	69.0	69.0	38.5	38.5
9-10 AM	1661	0.0	123	0.0	OFF	1661	0	123	0.00	0	68.7	68.7	68.7	38.2	38.2
10-11 AM	1704	0.0	126	0.0	OFF	1704	0	126	0.00	0	68.6	68.6	68.6	38.2	38.2
11A-NOON	1823	0.0	135	0.0	OFF	1823	0	135	0.00	0	68.5	68.5	68.5	38.1	38.1
NOON-1PM	1767	0.0	131	0.0	OFF	1767	0	131	0.00	0	68.6	68.6	68.6	38.1	38.1
1-2 PM	1804	0.0	133	0.0	OFF	1804	0	133	0.00	0	68.5	68.5	68.5	38.1	38.1
2-3 PM	1830	0.0	135	0.0	OFF	1830	0	135	0.00	0	68.4	68.4	68.4	38.1	38.1
3-4 PM	1908	0.0	141	0.0	OFF	1908	0	141	0.00	0	68.4	68.4	68.4	38.0	38.0
4-5 PM	1930	0.0	142	0.0	OFF	1930	0	142	0.00	0	68.3	68.3	68.3	38.0	38.0
5-6 PM	1792	0.0	132	0.0	OFF	1792	0	132	0.00	0	68.5	68.5	68.5	38.1	38.1
6-7 PM	1523	0.0	113	0.0	1499	1523	0	113	2.10	26	68.9	56.6	30.8	38.3	38.3
7-8 PM	1324	0.0	97	0.0	1500	1324	0	97	0.96	2	69.1	62.8	34.8	38.6	38.6
8-9 PM	1086	0.0	80	0.0	1500	1086	0	80	0.60	0	69.4	65.3	41.4	38.8	38.8
9-10 PM	889	0.0	66	0.0	1500	889	0	66	0.57	0	69.6	65.7	42.0	38.9	38.9
10-11 PM	721	0.0	53	0.0	1500	721	0	53	0.56	0	69.9	66.0	42.7	39.1	39.1
11PM-MID	434	0.0	32	0.0	1500	434	0	32	0.53	0	70.2	66.5	43.8	39.4	39.4

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0465
DIVERSION	0.0642

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,874
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

