

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	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	405	0.0	29	0.0	1500	405	0	29	0.52	0	70.2	66.5	43.9	39.4	39.4
1-2 AM	335	0.0	24	0.0	1500	335	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4
2-3 AM	293	0.0	21	0.0	1500	293	0	21	0.51	0	70.2	66.6	44.3	39.5	39.5
3-4 AM	306	0.0	22	0.0	1500	306	0	22	0.51	0	70.2	66.6	44.3	39.5	39.5
4-5 AM	345	0.0	25	0.0	1500	345	0	25	0.51	0	70.2	66.6	44.1	39.4	39.4
5-6 AM	545	0.0	41	0.0	1500	545	0	41	0.54	0	70.0	66.3	43.3	39.2	39.2
6-7 AM	892	0.0	66	0.0	1500	892	0	66	0.58	0	69.6	65.7	42.0	38.9	38.9
7-8 AM	1332	0.0	98	0.0	1499	1332	0	98	0.88	0	69.1	63.3	34.8	38.5	38.5
8-9 AM	1569	0.0	116	0.0	1499	1569	0	116	1.78	19	68.8	58.1	30.8	38.3	38.3
9-10 AM	1821	0.0	134	0.0	1500	1821	0	134	8.66	213	68.5	36.2	30.8	38.1	38.1
10-11 AM	2072	0.0	153	0.0	1500	2061	11	164	25.32	661	68.2	18.9	30.8	37.8	37.7
11A-NOON	2262	0.0	167	0.0	1500	1762	499	666	42.99	1103	67.9	12.6	30.8	37.7	31.5
NOON-1PM	2327	0.0	171	0.0	1500	1582	745	917	48.77	1252	67.8	11.4	30.8	37.6	28.4
1-2 PM	2544	0.0	188	0.0	1500	1652	892	1079	53.22	1370	67.6	10.6	30.8	37.4	26.3
2-3 PM	2701	0.0	200	0.0	1500	1646	1055	1255+	58.89	1519	67.4	9.7	30.8	37.3	24.2
3-4 PM	2833	0.0	209	0.0	1500	1642	1190	1399+	64.37	1663	67.2	8.9	30.8	37.1	22.4
4-5 PM	2941	0.0	217	0.0	1500	1637	1304	1521+	69.73	1804	67.1	8.4	30.8	37.1	20.9
5-6 PM	3003	0.0	221	0.0	1500	1604	1398	1619+	74.68	1933	67.0	7.9	30.8	37.0	19.6
6-7 PM	2768	0.0	204	0.0	1500	1361	1407	1610+	74.25	1921	67.3	7.9	30.8	37.2	19.7
7-8 PM	2351	0.0	173	0.0	1500	1132	1219	1393+	64.19	1660	67.8	9.0	30.8	37.6	22.4
8-9 PM	1893	0.0	140	0.0	1500	1105	788	928	49.14	1266	68.4	11.3	30.8	38.0	28.2
9-10 PM	1402	0.0	103	0.0	1500	1223	179	282	36.19	922	69.0	14.5	30.8	38.4	36.3
10-11 PM	1010	0.0	74	0.0	1500	1010	0	74	22.22	574	69.5	20.9	31.3	38.8	38.8
11PM-MID	671	0.0	50	0.0	1500	671	0	50	2.20	62	69.9	56.8	42.5	39.1	39.1

+ 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	0.0682
MAIN ROUTE WITH WORKS	0.0475
DIVERSION	0.4405

PIA: Personal Injury Accidents

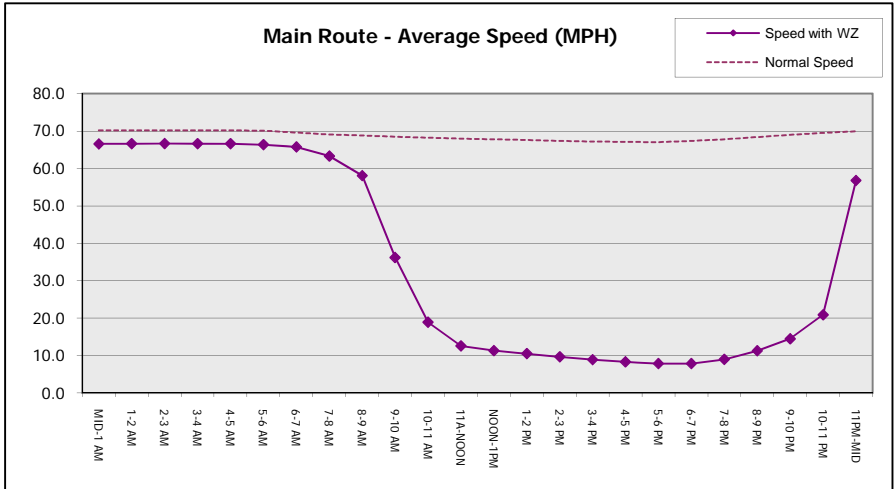
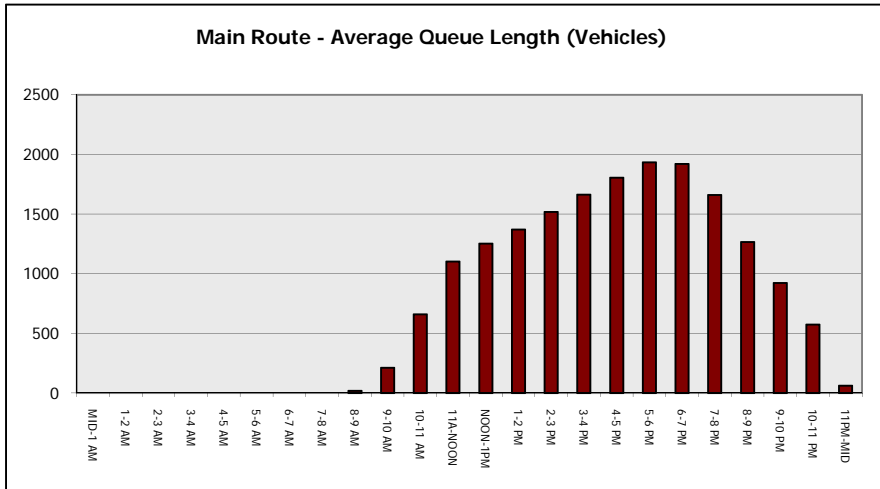
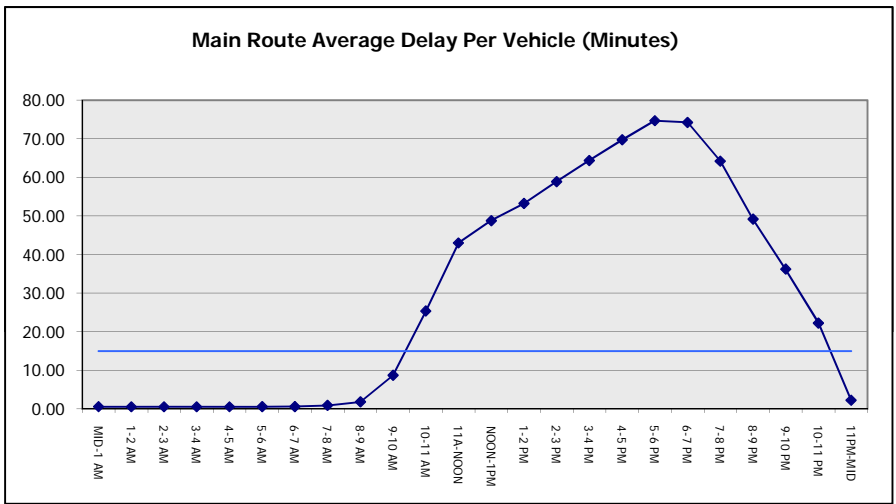
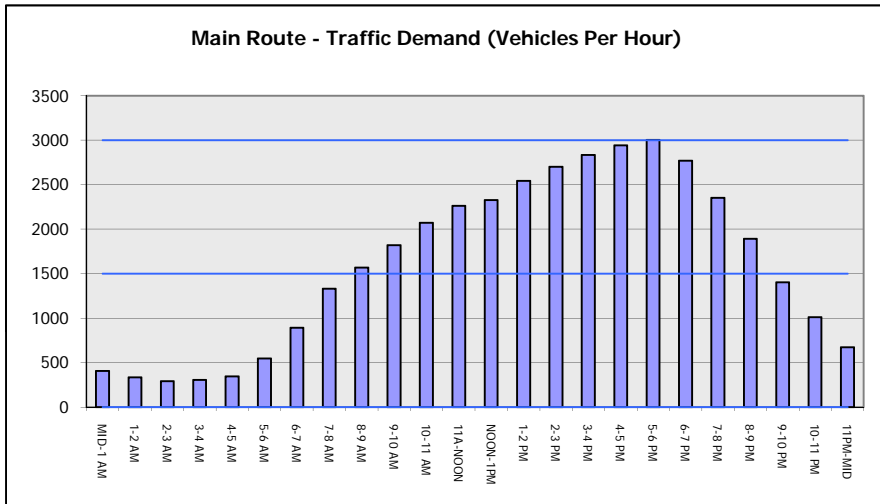
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$452,731
CONGESTED HOURS PER DAY*	13

*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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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	OCTOBER
	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						
	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	325	0.0	24	0.0	1500	325	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4
1-2 AM	270	0.0	20	0.0	1500	270	0	20	0.51	0	70.2	66.6	44.4	39.5	39.5
2-3 AM	291	0.0	21	0.0	1500	291	0	21	0.51	0	70.2	66.6	44.3	39.5	39.5
3-4 AM	311	0.0	23	0.0	1500	311	0	23	0.51	0	70.2	66.6	44.2	39.4	39.4
4-5 AM	407	0.0	30	0.0	1500	407	0	30	0.52	0	70.2	66.5	43.8	39.4	39.4
5-6 AM	687	0.0	51	0.0	1500	687	0	51	0.55	0	69.9	66.1	42.8	39.1	39.1
6-7 AM	1075	0.0	79	0.0	1500	1075	0	79	0.59	0	69.4	65.3	41.4	38.8	38.8
7-8 AM	1205	0.0	89	0.0	1500	1205	0	89	0.71	0	69.2	64.5	38.3	38.6	38.6
8-9 AM	1234	0.0	91	0.0	1500	1234	0	91	0.75	0	69.2	64.2	37.4	38.6	38.6
9-10 AM	1376	0.0	101	0.0	1499	1376	0	101	0.94	0	69.0	62.9	33.6	38.5	38.5
10-11 AM	1646	0.0	122	0.0	1499	1646	0	122	3.17	58	68.7	51.7	30.8	38.3	38.3
11A-NOON	1834	0.0	135	0.0	1500	1834	0	135	12.07	302	68.4	30.6	30.8	38.1	38.1
NOON-1PM	1988	0.0	147	0.0	1500	1980	7	154	27.59	712	68.2	17.8	30.8	37.9	37.8
1-2 PM	2215	0.0	163	0.0	1500	1734	481	644	42.54	1090	68.0	12.7	30.8	37.7	31.7
2-3 PM	2422	0.0	178	0.0	1500	1649	773	952	49.66	1276	67.8	11.2	30.8	37.5	27.9
3-4 PM	2408	0.0	177	0.0	1500	1529	879	1057	52.58	1351	67.8	10.7	30.8	37.6	26.6
4-5 PM	2674	0.0	198	0.0	1500	1671	1003	1201+	57.04	1470	67.4	9.9	30.8	37.3	24.8
5-6 PM	2378	0.0	175	0.0	1500	1345	1033	1208+	57.33	1477	67.8	9.9	30.8	37.6	24.7
6-7 PM	2002	0.0	148	0.0	1500	1235	768	916	48.80	1254	68.2	11.4	30.8	37.9	28.4
7-8 PM	1678	0.0	124	0.0	1500	1300	377	501	39.86	1017	68.6	13.4	30.8	38.2	33.5
8-9 PM	1380	0.0	101	0.0	1500	1331	49	151	33.35	845	69.0	15.5	30.8	38.5	37.9
9-10 PM	1055	0.0	78	0.0	1500	1055	0	78	21.42	549	69.4	21.5	31.2	38.8	38.8
10-11 PM	792	0.0	59	0.0	1500	792	0	59	2.62	74	69.7	54.7	41.7	39.0	39.0
11PM-MID	506	0.0	38	0.0	1500	506	0	38	0.53	0	70.1	66.4	43.5	39.2	39.2

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0568
MAIN ROUTE WITH WORKS	0.0455
DIVERSION	0.2521

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$251,497
CONGESTED HOURS PER DAY*	10

*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

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

