

**IH 94: USH 12 TO IH 90/94 (MONROE COUNTY)
NIGHTTIME CLOSURE
DIVERSION ROUTE: IH 90 - USH 12**

AUGUST
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
SUNDAY 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	246	0.0	149	0.0	1500	246	0	149	0.45	0	66.0	58.6	44.5	28.1	28.1
1-2 AM	163	0.0	99	0.0	1500	163	0	99	0.44	0	66.1	58.8	44.8	28.6	28.6
2-3 AM	134	0.0	82	0.0	1500	134	0	82	0.44	0	66.1	58.9	45.0	28.8	28.8
3-4 AM	108	0.0	65	0.0	1500	108	0	65	0.43	0	66.2	59.0	45.1	29.1	29.1
4-5 AM	93	0.0	57	0.0	1500	93	0	57	0.43	0	66.2	59.0	45.1	29.1	29.1
5-6 AM	88	0.0	54	0.0	1500	88	0	54	0.43	0	66.2	59.0	45.1	29.2	29.2
6-7 AM	115	0.0	70	0.0	1500	115	0	70	0.43	0	66.2	58.9	45.0	29.0	29.0
7-8 AM	178	0.0	109	0.0	1500	178	0	109	0.44	0	66.1	58.7	44.8	28.5	28.5
8-9 AM	315	0.0	192	0.0	1500	315	0	192	0.45	0	65.8	58.4	44.2	27.6	27.6
9-10 AM	486	0.0	296	0.0	OFF	486	0	296	0.00	0	65.5	65.5	65.5	26.3	26.3
10-11 AM	810	0.0	494	0.0	OFF	810	0	494	0.00	0	64.9	64.9	64.9	24.0	24.0
11A-NOON	1135	0.0	692	0.0	OFF	1135	0	692	0.00	0	64.3	64.3	64.3	21.7	21.7
NOON-1PM	1484	0.0	905	0.0	OFF	1484	0	905	0.00	0	63.6	63.6	63.6	19.3	19.3
1-2 PM	1689	0.0	1030	0.0	OFF	1689	0	1030	0.00	0	63.2	63.2	63.2	18.2	18.2
2-3 PM	1910	0.0	1165	0.0	OFF	1910	0	1165	0.00	0	62.8	62.8	62.8	17.0	17.0
3-4 PM	2020	0.0	1232	0.0	OFF	2020	0	1232	0.00	0	62.6	62.6	62.6	16.3	16.3
4-5 PM	2088	0.0	1273	0.0	OFF	2088	0	1273	0.00	0	62.5	62.5	62.5	16.0	16.0
5-6 PM	2042	0.0	1245	0.0	OFF	2042	0	1245	0.00	0	62.6	62.6	62.6	16.2	16.2
6-7 PM	1609	0.0	981	0.0	OFF	1609	0	981	0.00	0	63.4	63.4	63.4	18.6	18.6
7-8 PM	1505	0.0	917	0.0	1499	1505	0	917	1.56	14	63.6	44.6	31.0	19.2	19.2
8-9 PM	1206	0.0	736	0.0	1500	1206	0	736	0.64	0	64.1	54.5	38.4	21.2	21.2
9-10 PM	909	0.0	554	0.0	1500	909	0	554	0.51	0	64.7	56.7	42.0	23.3	23.3
10-11 PM	711	0.0	433	0.0	1500	711	0	433	0.49	0	65.1	57.3	42.7	24.7	24.7
11PM-MID	521	0.0	318	0.0	1500	521	0	318	0.47	0	65.4	57.8	43.4	26.1	26.1

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

----- 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	0.0134
MAIN ROUTE WITH WORKS	0.0130
DIVERSION	0.1050

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,190
CONGESTED HOURS PER DAY*	0

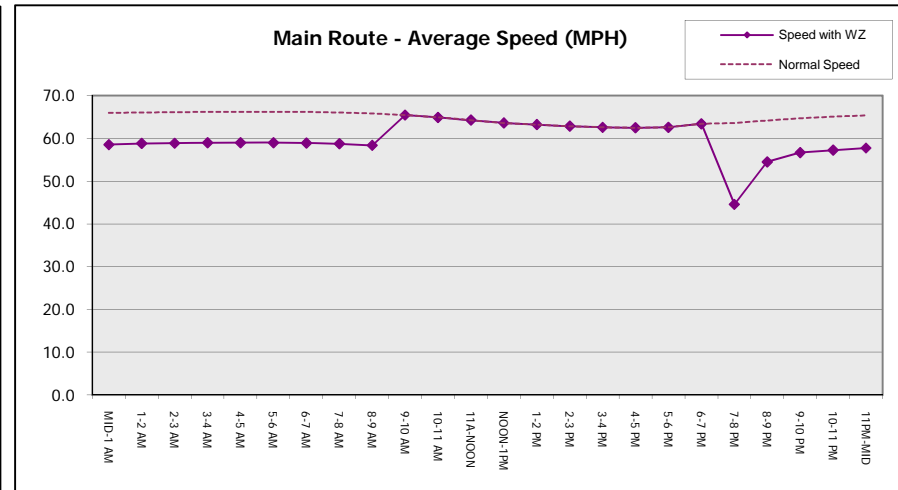
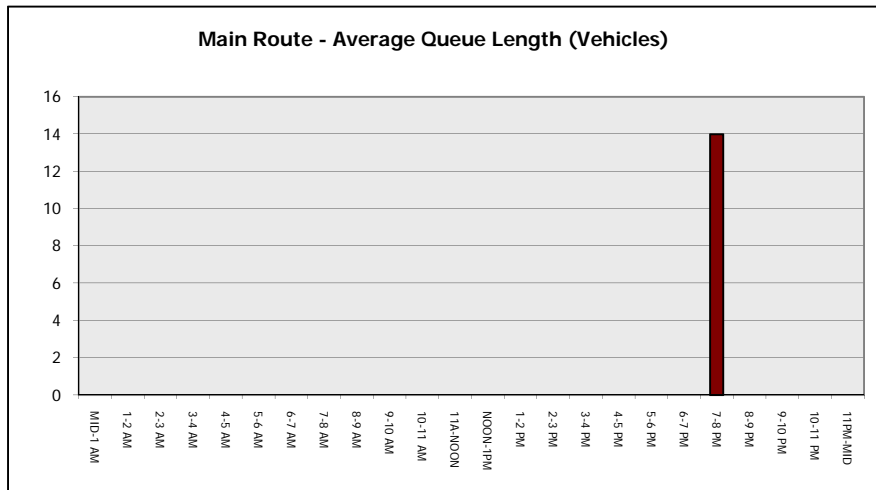
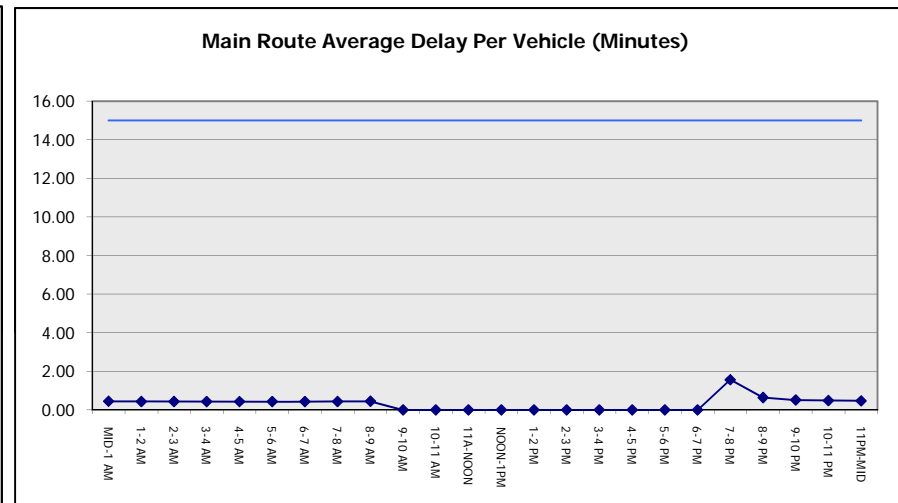
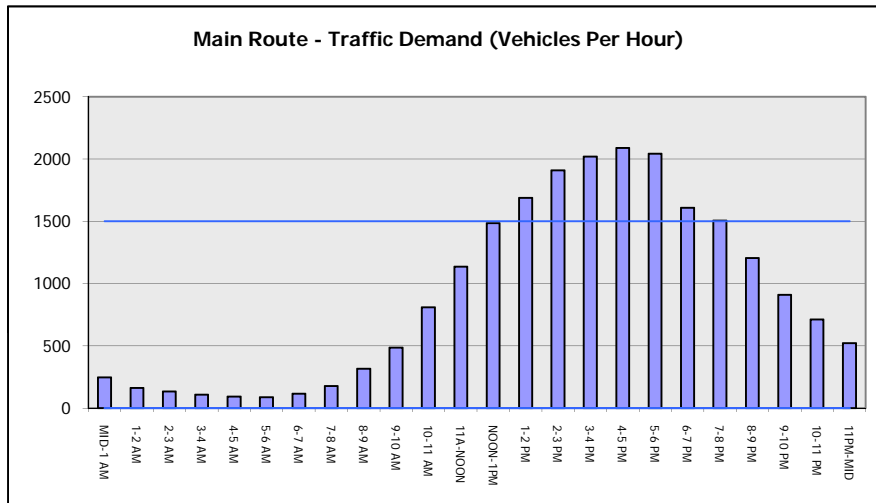
*Delays Exceeding 15 Minutes

IH 94: USH 12 TO IH 90/94 (MONROE COUNTY)
NIGHTTIME CLOSURE
DIVERSION ROUTE: IH 90 - USH 12

AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



IH 94: USH 12 TO IH 90/94 (MONROE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: IH 90 - USH 12	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	273	0.0	166	0.0	1500	273	0	166	0.45	0	65.9	58.5	44.4	25.9	25.9
1-2 AM	178	0.0	109	0.0	1500	178	0	109	0.44	0	66.1	58.7	44.8	27.3	27.3
2-3 AM	129	0.0	79	0.0	1500	129	0	79	0.43	0	66.1	58.9	45.0	27.9	27.9
3-4 AM	112	0.0	68	0.0	1500	112	0	68	0.43	0	66.2	58.9	45.0	28.2	28.2
4-5 AM	98	0.0	60	0.0	1500	98	0	60	0.43	0	66.2	59.0	45.1	28.4	28.4
5-6 AM	91	0.0	56	0.0	1500	91	0	56	0.43	0	66.2	59.0	45.1	28.5	28.5
6-7 AM	105	0.0	64	0.0	1500	105	0	64	0.43	0	66.2	59.0	45.1	28.3	28.3
7-8 AM	164	0.0	100	0.0	1500	164	0	100	0.44	0	66.1	58.8	44.8	27.4	27.4
8-9 AM	321	0.0	196	0.0	1500	321	0	196	0.45	0	65.8	58.4	44.2	25.2	25.2
9-10 AM	555	0.0	339	0.0	OFF	555	0	339	0.00	0	65.3	65.3	65.3	21.9	21.9
10-11 AM	893	0.0	544	0.0	OFF	893	0	544	0.00	0	64.7	64.7	64.7	17.7	17.7
11A-NOON	1241	0.0	756	0.0	OFF	1241	0	756	0.00	0	64.1	64.1	64.1	13.8	13.8
NOON-1PM	1541	0.0	940	0.0	OFF	1541	0	940+	0.00	0	63.5	63.5	63.5	11.1	11.1
1-2 PM	1695	0.0	1033	0.0	OFF	1695	0	1033+	0.00	0	63.2	63.2	63.2	10.6	10.6
2-3 PM	1825	0.0	1112	0.0	OFF	1825	0	1112+	0.00	0	63.0	63.0	63.0	10.6	10.6
3-4 PM	1883	0.0	1148	0.0	OFF	1883	0	1148+	0.00	0	62.9	62.9	62.9	10.6	10.6
4-5 PM	1851	0.0	1128	0.0	OFF	1851	0	1128+	0.00	0	62.9	62.9	62.9	10.6	10.6
5-6 PM	1628	0.0	992	0.0	OFF	1628	0	992+	0.00	0	63.3	63.3	63.3	10.7	10.7
6-7 PM	1437	0.0	876	0.0	OFF	1437	0	876+	0.00	0	63.7	63.7	63.7	12.0	12.0
7-8 PM	1232	0.0	751	0.0	1500	1232	0	751	0.68	0	64.1	54.0	37.4	13.9	13.9
8-9 PM	957	0.0	583	0.0	1500	957	0	583	0.51	0	64.6	56.6	41.9	17.0	17.0
9-10 PM	759	0.0	463	0.0	1500	759	0	463	0.50	0	65.0	57.1	42.5	19.2	19.2
10-11 PM	601	0.0	366	0.0	1500	601	0	366	0.48	0	65.3	57.6	43.1	21.2	21.2
11PM-MID	414	0.0	253	0.0	1500	414	0	253	0.46	0	65.6	58.1	43.8	23.9	23.9

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

+ 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	0.0124
MAIN ROUTE WITH WORKS	0.0120
DIVERSION	0.0973

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$700
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 94: USH 12 TO IH 90/94 (MONROE COUNTY)
NIGHTTIME CLOSURE
DIVERSION ROUTE: IH 90 - USH 12

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

