

**IH 94: USH 12 TO IH 90/94 (MONROE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: IH 90, USH 12**

AUGUST

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	384	0.0	233	0.0	1500	384	0	233	0.46	0	65.6	58.2	44.0	27.1	27.1
1-2 AM	308	0.0	188	0.0	1500	308	0	188	0.45	0	65.8	58.4	44.3	27.6	27.6
2-3 AM	283	0.0	172	0.0	1500	283	0	172	0.45	0	65.9	58.4	44.3	27.8	27.8
3-4 AM	282	0.0	171	0.0	1500	282	0	171	0.45	0	65.9	58.4	44.3	27.8	27.8
4-5 AM	284	0.0	172	0.0	1500	284	0	172	0.45	0	65.8	58.4	44.3	27.8	27.8
5-6 AM	272	0.0	165	0.0	1500	272	0	165	0.45	0	65.9	58.5	44.4	27.9	27.9
6-7 AM	303	0.0	185	0.0	1500	303	0	185	0.45	0	65.8	58.4	44.3	27.6	27.6
7-8 AM	424	0.0	259	0.0	1500	424	0	259	0.46	0	65.6	58.1	43.8	26.8	26.8
8-9 AM	649	0.0	396	0.0	1500	649	0	396	0.49	0	65.2	57.4	43.0	25.2	25.2
9-10 AM	842	0.0	513	0.0	1500	842	0	513	0.50	0	64.8	56.9	42.2	23.8	23.8
10-11 AM	1199	0.0	731	0.0	1500	1199	0	731	0.64	0	64.1	54.6	38.5	21.2	21.2
11A-NOON	1370	0.0	835	0.0	1499	1370	0	835	0.86	0	63.8	51.7	33.7	20.0	20.0
NOON-1PM	1578	0.0	962	0.0	1499	1578	0	962	2.13	32	63.5	40.2	30.8	18.8	18.8
1-2 PM	1573	0.0	959	0.0	1499	1573	0	959	4.95	107	63.5	27.1	30.8	18.8	18.8
2-3 PM	1780	0.0	1085	0.0	1500	1780	0	1085	10.93	282	63.1	16.0	30.8	17.7	17.7
3-4 PM	1823	0.0	1111	0.0	1499	1688	135	1246	21.26	549	63.0	9.9	30.8	17.5	16.6
4-5 PM	1826	0.0	1113	0.0	1499	1523	303	1416	24.37	630	63.0	9.3	30.8	17.4	15.3
5-6 PM	1863	0.0	1135	0.0	1500	1523	340	1476	25.48	661	62.9	9.1	30.8	17.2	14.9
6-7 PM	1710	0.0	1042	0.0	1499	1389	320	1362	23.46	606	63.2	9.4	30.8	18.1	15.8
7-8 PM	1551	0.0	946	0.0	1500	1411	140	1086	19.45	497	63.5	10.4	30.8	18.9	17.8
8-9 PM	1530	0.0	932	0.0	1500	1483	47	979	18.19	463	63.5	10.7	30.8	19.1	18.6
9-10 PM	1269	0.0	773	0.0	1499	1266	3	777	13.56	347	64.0	13.6	30.9	20.7	20.7
10-11 PM	918	0.0	560	0.0	1500	918	0	560	1.50	44	64.6	45.7	41.2	23.2	23.2
11PM-MID	693	0.0	422	0.0	1500	693	0	422	0.49	0	65.1	57.3	42.8	24.8	24.8

----- 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		0.0153
MAIN ROUTE WITH WORKS		0.0130
DIVERSION		0.1306

PIA: Personal Injury Accidents

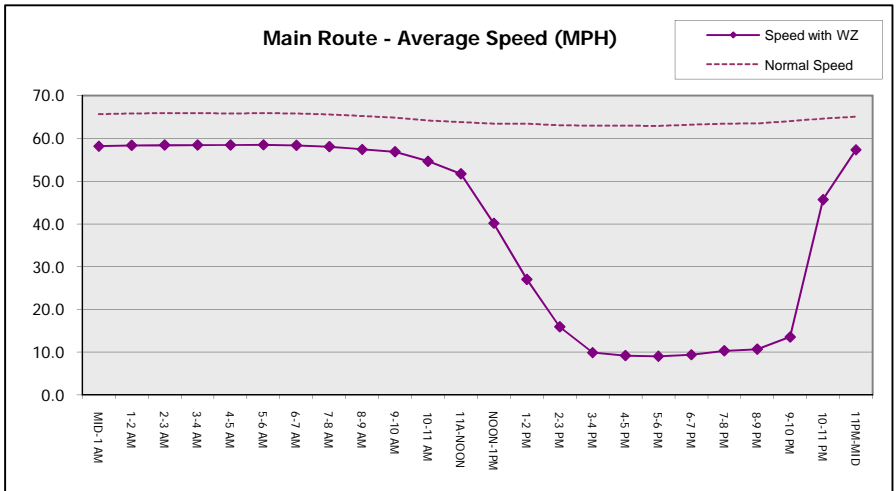
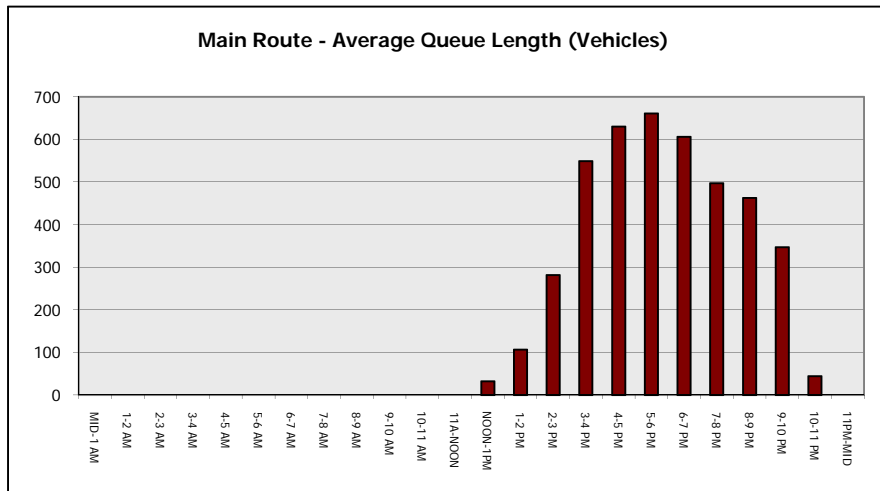
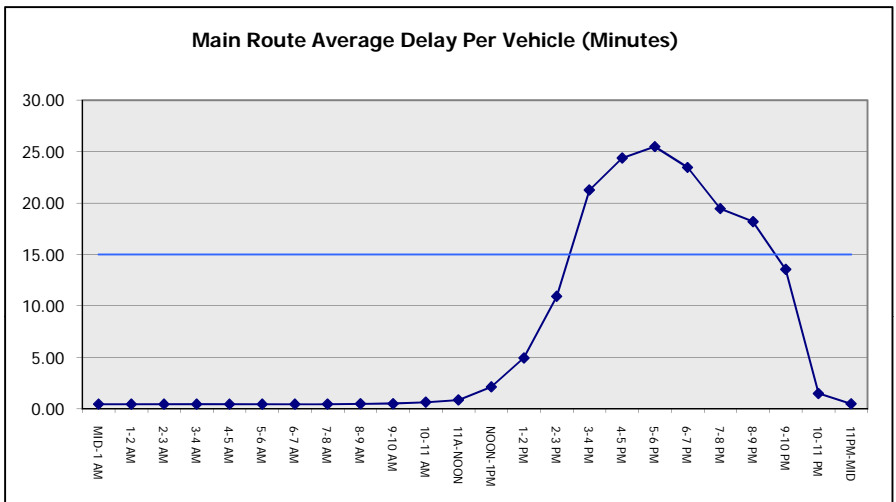
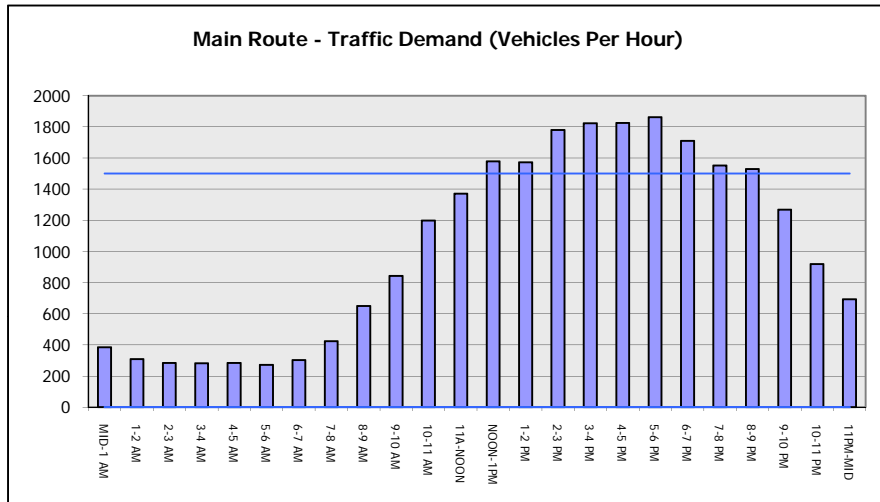
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$68,392
CONGESTED HOURS PER DAY*	6

*Delays Exceeding 15 Minutes

**IH 94: USH 12 TO IH 90/94 (MONROE COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: IH 90, USH 12**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 94: USH 12 TO IH 90/94 (MONROE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: IH 90, USH 12	AUGUST
	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	479	0.0	292	0.0	1500	479	0	292	0.47	0	65.5	57.9	43.6	23.0	23.0
1-2 AM	418	0.0	255	0.0	1500	418	0	255	0.46	0	65.6	58.1	43.8	23.8	23.8
2-3 AM	252	0.0	153	0.0	1500	252	0	153	0.45	0	65.9	58.6	44.5	26.2	26.2
3-4 AM	189	0.0	115	0.0	1500	189	0	115	0.44	0	66.0	58.7	44.7	27.1	27.1
4-5 AM	220	0.0	134	0.0	1500	220	0	134	0.44	0	66.0	58.6	44.6	26.7	26.7
5-6 AM	249	0.0	151	0.0	1500	249	0	151	0.45	0	66.0	58.6	44.5	26.3	26.3
6-7 AM	422	0.0	258	0.0	1500	422	0	258	0.46	0	65.6	58.1	43.8	23.8	23.8
7-8 AM	377	0.0	230	0.0	1500	377	0	230	0.46	0	65.7	58.2	44.0	24.4	24.4
8-9 AM	516	0.0	315	0.0	1500	516	0	315	0.47	0	65.5	57.8	43.5	22.5	22.5
9-10 AM	695	0.0	424	0.0	1500	695	0	424	0.49	0	65.1	57.3	42.8	19.9	19.9
10-11 AM	889	0.0	542	0.0	1500	889	0	542	0.51	0	64.7	56.8	42.0	17.8	17.8
11A-NOON	1508	0.0	919	0.0	1499	1508	0	919+	1.24	6	63.6	47.6	31.2	11.4	11.4
NOON-1PM	1270	0.0	774	0.0	1500	1270	0	774+	0.77	1	64.0	52.9	36.5	13.5	13.6
1-2 PM	2195	0.0	1338	0.0	1499	2195	0	1338+	10.63	327	62.3	16.6	30.8	10.6	10.7
2-3 PM	1915	0.0	1167	0.0	1499	1730	184	1351+	33.30	874	62.8	8.1	30.8	10.6	12.0
3-4 PM	1579	0.0	962	0.0	1499	1485	94	1056+	35.34	926	63.5	7.9	30.8	11.0	12.2
4-5 PM	1513	0.0	922	0.0	1499	1475	38	960+	33.90	886	63.6	8.1	30.8	11.4	12.5
5-6 PM	1736	0.0	1058	0.0	1499	1503	233	1291+	35.48	930	63.2	7.9	30.8	10.6	12.2
6-7 PM	1521	0.0	926	0.0	1499	1469	52	978+	34.36	899	63.5	8.0	30.8	11.3	12.4
7-8 PM	1149	0.0	700	0.0	1499	1089	59	760	24.45	639	64.3	9.3	30.8	14.8	14.7
8-9 PM	1443	0.0	880	0.0	1500	1443	0	880+	16.23	410	63.7	11.7	30.8	12.0	12.0
9-10 PM	1372	0.0	836	0.0	1499	1372	0	836+	13.66	343	63.8	13.5	30.8	12.6	12.6
10-11 PM	845	0.0	515	0.0	1500	845	0	515	1.60	53	64.8	44.9	41.9	18.2	18.2
11PM-MID	1183	0.0	721	0.0	1500	1183	0	721	0.61	0	64.2	54.9	39.0	14.5	14.5

+ 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	0.0149
MAIN ROUTE WITH WORKS	0.0129
DIVERSION	0.1218

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$93,415
CONGESTED HOURS PER DAY*	7

*Delays Exceeding 15 Minutes

IH 94: USH 12 TO IH 90/94 (MONROE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: IH 90, USH 12

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

