

<b>IH 90: USH 14/61 TO USH 53</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: USH 53 TO USH 14/61</b>	<b>OCTOBER</b> Analyzed for 2009 Construction Season
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**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	246	0.0	211	7.0	OFF	246	0	211	0.00	0	66.0	66.0	66.0	15.5	15.5
1-2 AM	177	0.0	151	7.0	OFF	177	0	151	0.00	0	66.1	66.1	66.1	17.5	17.5
2-3 AM	178	0.0	153	7.0	OFF	178	0	153	0.00	0	66.1	66.1	66.1	17.4	17.4
3-4 AM	176	0.0	151	7.0	OFF	176	0	151	0.00	0	66.1	66.1	66.1	17.5	17.5
4-5 AM	224	0.0	193	7.0	OFF	224	0	193	0.00	0	66.0	66.0	66.0	16.1	16.1
5-6 AM	341	0.0	293	7.0	OFF	341	0	293	0.00	0	65.8	65.8	65.8	12.8	12.8
6-7 AM	489	0.0	420	7.0	OFF	489	0	420	0.00	0	65.5	65.5	65.5	9.1	9.1
7-8 AM	737	0.0	632	7.0	OFF	737	0	632	0.00	0	65.0	65.0	65.0	7.5	7.5
8-9 AM	911	0.0	782	7.0	OFF	911	0	782+	0.00	0	64.7	64.7	64.7	6.3	6.3
9-10 AM	1009	0.0	865	7.0	1500	1009	0	865+	0.52	0	64.5	55.6	41.7	5.7	5.7
10-11 AM	1125	0.0	966	7.0	1500	1125	0	966+	0.54	0	64.3	55.1	41.0	5.6	5.6
11A-NOON	1218	0.0	1045	7.0	1500	1218	0	1045+	0.66	0	64.1	53.3	37.9	5.6	5.6
NOON-1PM	1239	0.0	1063	7.0	1500	1239	0	1063+	0.69	0	64.1	53.0	37.3	5.6	5.6
1-2 PM	1357	0.0	1165	7.0	1499	1357	0	1165+	0.84	0	63.8	50.9	34.1	5.6	5.6
2-3 PM	1639	0.0	1406	7.0	1499	1639	0	1406+	2.93	58	63.3	33.6	30.8	5.6	5.6
3-4 PM	1695	0.0	1456	7.0	1500	1695	0	1456+	9.39	234	63.2	16.5	30.8	5.6	5.6
4-5 PM	1710	0.0	1468	7.0	OFF	1710	0	1468+	0.40	24	63.2	56.4	56.4	5.6	5.6
5-6 PM	1530	0.0	1313	7.0	OFF	1530	0	1313+	0.00	0	63.5	63.5	63.5	5.6	5.6
6-7 PM	1377	0.0	1182	7.0	OFF	1377	0	1182+	0.00	0	63.8	63.8	63.8	5.6	5.6
7-8 PM	1112	0.0	955	7.0	OFF	1112	0	955+	0.00	0	64.3	64.3	64.3	5.6	5.6
8-9 PM	844	0.0	724	7.0	OFF	844	0	724+	0.00	0	64.8	64.8	64.8	6.8	6.8
9-10 PM	662	0.0	568	7.0	OFF	662	0	568	0.00	0	65.1	65.1	65.1	8.0	8.0
10-11 PM	549	0.0	471	7.0	OFF	549	0	471	0.00	0	65.4	65.4	65.4	8.8	8.8
11PM-MID	305	0.0	263	7.0	OFF	305	0	263	0.00	0	65.8	65.8	65.8	13.8	13.8

"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	0.0116
MAIN ROUTE WITH WORKS	0.0110
DIVERSION	0.1979

PIA: Personal Injury Accidents

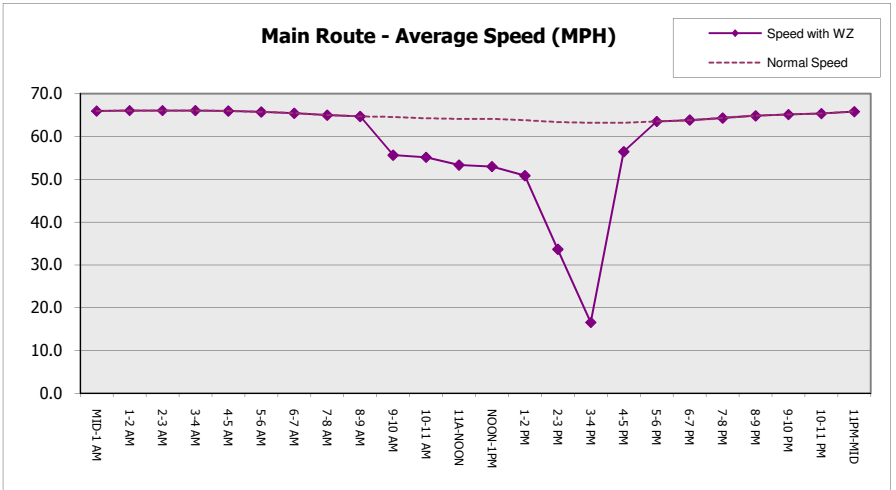
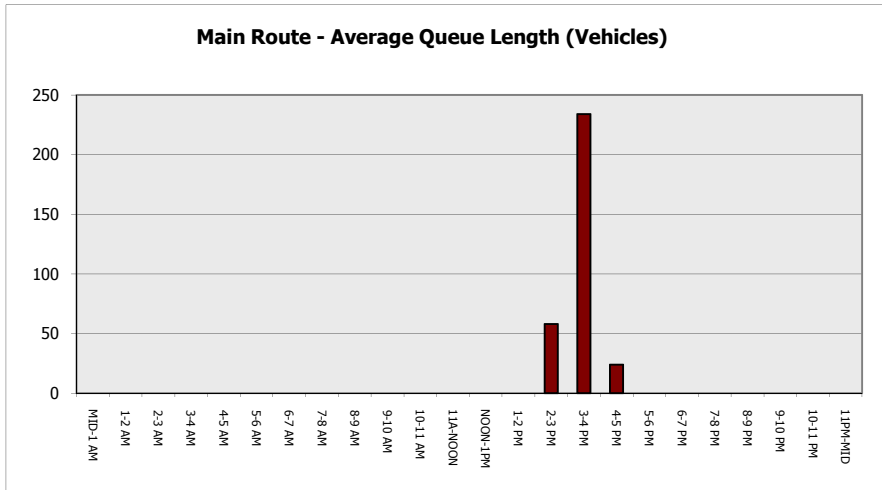
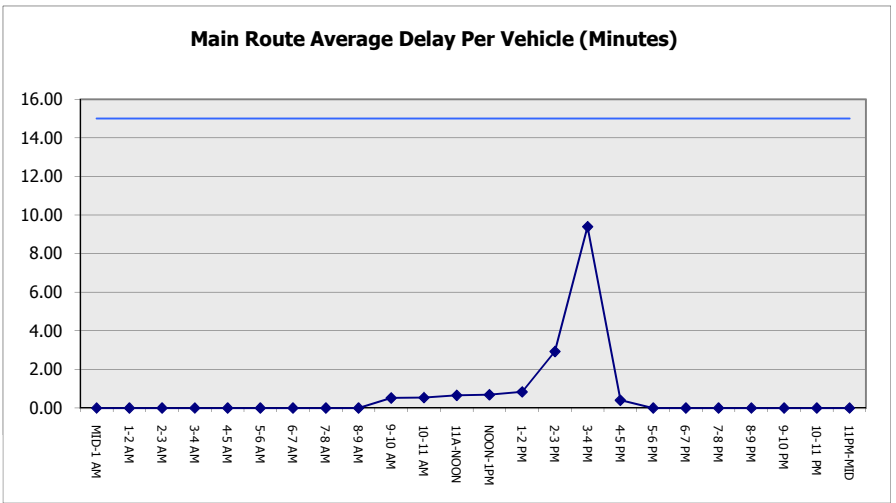
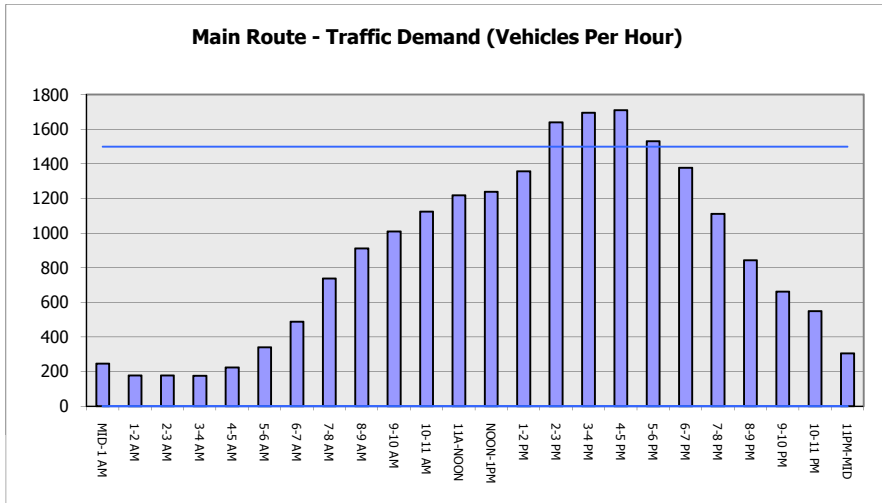
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$4,506
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 90: USH 14/61 TO USH 53  
OFF-PEAK DAY CLOSURE  
DIVERSION ROUTE: USH 53 TO USH 14/61**

**OCTOBER**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY WESTBOUND DIRECTION**



<b>IH 90: USH 14/61 TO USH 53</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: USH 53 TO USH 14/61</b>	<b>OCTOBER</b>
	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		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	183	0.0	156	7.0	OFF	183	0	156	0.00	0	66.1	66.1	66.1	17.3	17.3
1-2 AM	154	0.0	133	7.0	OFF	154	0	133	0.00	0	66.1	66.1	66.1	18.0	18.0
2-3 AM	175	0.0	149	7.0	OFF	175	0	149	0.00	0	66.1	66.1	66.1	17.5	17.5
3-4 AM	198	0.0	169	7.0	OFF	198	0	169	0.00	0	66.0	66.0	66.0	16.8	16.8
4-5 AM	245	0.0	210	7.0	OFF	245	0	210	0.00	0	66.0	66.0	66.0	15.5	15.5
5-6 AM	327	0.0	280	7.0	OFF	327	0	280	0.00	0	65.8	65.8	65.8	13.2	13.2
6-7 AM	628	0.0	540	7.0	OFF	628	0	540	0.00	0	65.2	65.2	65.2	8.3	8.3
7-8 AM	793	0.0	682	7.0	OFF	793	0	682	0.00	0	64.9	64.9	64.9	7.1	7.1
8-9 AM	854	0.0	732	7.0	OFF	854	0	732+	0.00	0	64.8	64.8	64.8	6.7	6.7
9-10 AM	967	0.0	830	7.0	1500	967	0	830+	0.52	0	64.6	55.7	41.8	6.0	6.0
10-11 AM	1146	0.0	984	7.0	1500	1146	0	984+	0.57	0	64.3	54.7	40.2	5.6	5.6
11A-NOON	1259	0.0	1081	7.0	1500	1259	0	1081+	0.71	0	64.0	52.6	36.6	5.6	5.6
NOON-1PM	1352	0.0	1161	7.0	1499	1352	0	1161+	0.83	0	63.8	50.9	34.2	5.6	5.6
1-2 PM	1599	0.0	1373	7.0	1499	1599	0	1373+	2.24	36	63.4	37.8	30.8	5.6	5.6
2-3 PM	1755	0.0	1507	7.0	1500	1755	0	1507+	8.65	220	63.1	17.5	30.8	5.6	5.6
3-4 PM	1797	0.0	1542	7.0	1500	1797	0	1542+	19.34	501	63.0	10.0	30.8	5.6	5.8
4-5 PM	1782	0.0	1529	7.0	OFF	1782	0	1529+	1.51	95	63.1	43.3	43.3	5.6	5.6
5-6 PM	1601	0.0	1374	7.0	OFF	1601	0	1374+	0.00	0	63.4	63.4	63.4	5.6	5.6
6-7 PM	1318	0.0	1131	7.0	OFF	1318	0	1131+	0.00	0	63.9	63.9	63.9	5.6	5.6
7-8 PM	932	0.0	800	7.0	OFF	932	0	800+	0.00	0	64.6	64.6	64.6	6.2	6.2
8-9 PM	638	0.0	548	7.0	OFF	638	0	548	0.00	0	65.2	65.2	65.2	8.2	8.2
9-10 PM	570	0.0	490	7.0	OFF	570	0	490	0.00	0	65.3	65.3	65.3	8.6	8.6
10-11 PM	398	0.0	341	7.0	OFF	398	0	341	0.00	0	65.6	65.6	65.6	11.2	11.2
11PM-MID	265	0.0	227	7.0	OFF	265	0	227	0.00	0	65.9	65.9	65.9	15.0	15.0

"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	0.0117
MAIN ROUTE WITH WORKS	0.0110
DIVERSION	0.1987

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$10,562
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding 15 Minutes

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**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: USH 53 TO USH 14/61**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY EASTBOUND DIRECTION**

