

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 32, STH 57**

AUGUST

Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	201	0.0	56	0.0	3000	201	0	56	0.22	0	60.2	53.5	49.7	22.8	22.8
1-2 AM	127	0.0	36	0.0	3000	127	0	36	0.22	0	60.2	53.5	49.7	23.1	23.1
2-3 AM	118	0.0	33	0.0	3000	118	0	33	0.22	0	60.2	53.5	49.7	23.1	23.1
3-4 AM	154	0.0	44	0.0	3000	154	0	44	0.22	0	60.2	53.5	49.7	23.0	23.0
4-5 AM	444	0.0	126	0.0	3000	444	0	126	0.22	0	60.2	53.5	49.7	21.8	21.8
5-6 AM	1445	0.0	408	0.0	3000	1445	0	408	0.22	0	60.2	53.5	49.7	17.6	17.6
6-7 AM	2897	0.0	818	0.0	2999	2897	0	818	0.82	26	60.2	40.7	41.0	11.7	12.1
7-8 AM	3942	0.0	1113	0.0	3000	3942	0	1113	10.20	588	60.2	12.1	37.3	10.1	11.1
8-9 AM	2482	0.0	701	0.0	2999	2482	0	701	15.58	845	60.2	10.0	37.4	13.4	15.4
9-10 AM	2084	0.0	588	0.0	2999	2084	0	588	1.50	158	60.2	33.2	47.6	15.0	15.3
10-11 AM	2152	0.0	608	0.0	3000	2152	0	608	0.22	0	60.2	53.5	49.7	14.7	14.7
11A-NOON	2307	0.0	652	0.0	3000	2307	0	652	0.22	0	60.2	53.5	49.7	14.1	14.1
NOON-1PM	2377	0.0	672	0.0	3000	2377	0	672	0.22	0	60.2	53.5	49.7	13.8	13.8
1-2 PM	2364	0.0	668	0.0	3000	2364	0	668	0.22	0	60.2	53.5	49.7	13.8	13.8
2-3 PM	2468	0.0	697	0.0	3000	2468	0	697	0.27	0	60.2	52.0	47.6	13.5	13.5
3-4 PM	2542	0.0	718	0.0	3000	2542	0	718	0.32	0	60.2	50.7	45.8	13.2	13.2
4-5 PM	2839	0.0	801	0.0	2999	2839	0	801	0.52	0	60.2	46.1	39.9	11.9	11.9
5-6 PM	2912	0.0	822	0.0	2999	2912	0	822	0.61	2	60.2	44.4	38.9	11.7	11.8
6-7 PM	1973	0.0	558	0.0	3000	1973	0	558	0.22	0	60.2	53.5	49.7	15.5	15.5
7-8 PM	1375	0.0	388	0.0	3000	1375	0	388	0.22	0	60.2	53.5	49.7	17.9	17.9
8-9 PM	1104	0.0	312	0.0	3000	1104	0	312	0.22	0	60.2	53.5	49.7	19.1	19.1
9-10 PM	831	0.0	234	0.0	3000	831	0	234	0.22	0	60.2	53.5	49.7	20.2	20.2
10-11 PM	584	0.0	165	0.0	3000	584	0	165	0.22	0	60.2	53.5	49.7	21.2	21.2
11PM-MID	352	0.0	99	0.0	3000	352	0	99	0.22	0	60.2	53.5	49.7	22.2	22.2

----- 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	0.0109
MAIN ROUTE WITH WORKS	0.0082
DIVERSION	0.0817

PIA: Personal Injury Accidents

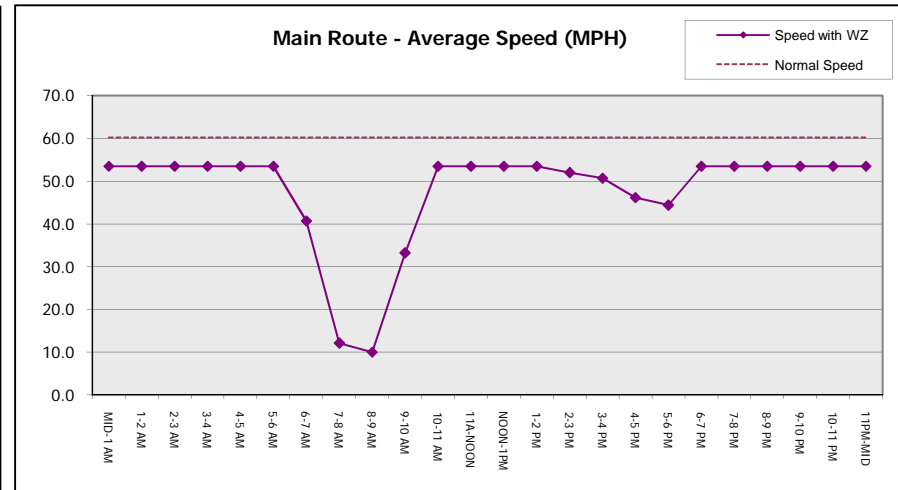
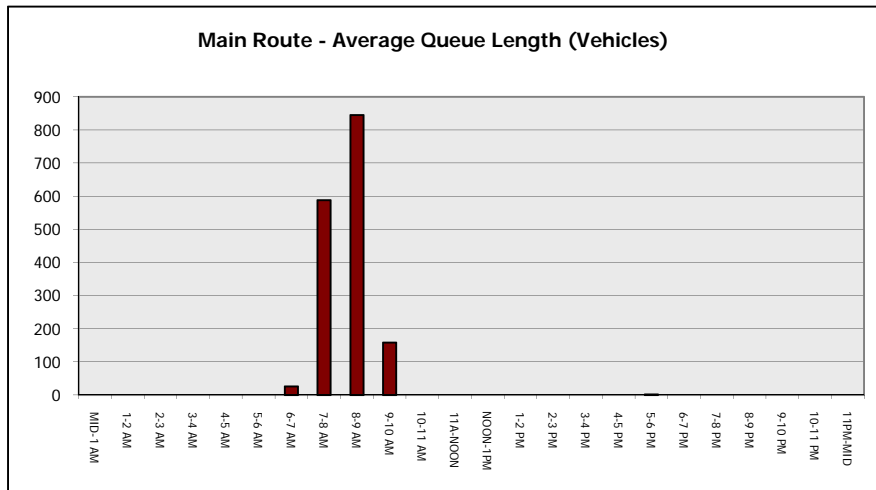
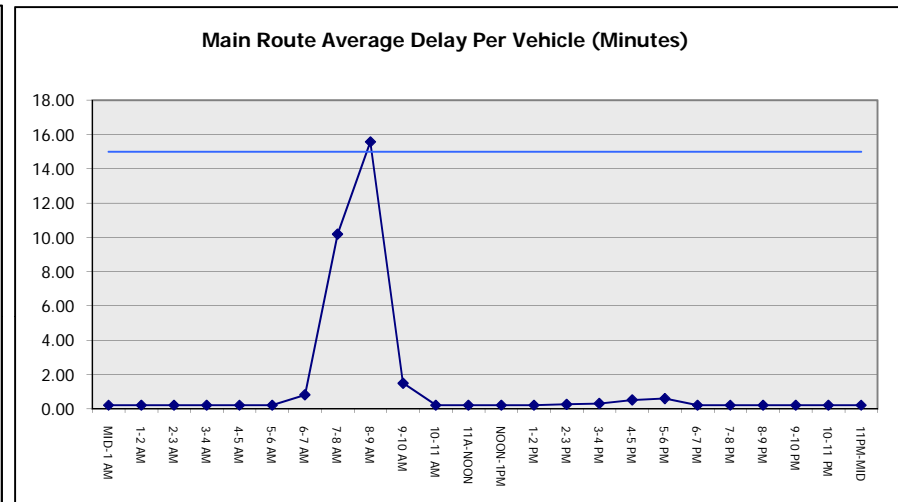
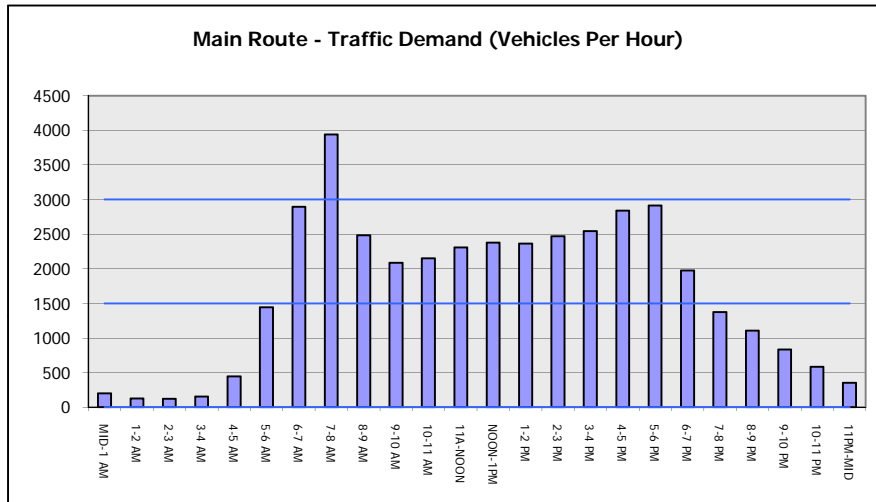
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$21,100
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

STH 172: USH 41 TO STH 57 (BROWN COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 32, STH 57

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



STH 172: USH 41 TO STH 57 (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 32, STH 57	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	267	0.0	75	0.0	3000	267	0	75	0.22	0	60.2	53.5	49.7	22.5	22.5
1-2 AM	171	0.0	48	0.0	3000	171	0	48	0.22	0	60.2	53.5	49.7	22.9	22.9
2-3 AM	162	0.0	46	0.0	3000	162	0	46	0.22	0	60.2	53.5	49.7	22.9	22.9
3-4 AM	156	0.0	44	0.0	3000	156	0	44	0.22	0	60.2	53.5	49.7	23.0	23.0
4-5 AM	263	0.0	74	0.0	3000	263	0	74	0.22	0	60.2	53.5	49.7	22.5	22.5
5-6 AM	676	0.0	190	0.0	3000	676	0	190	0.22	0	60.2	53.5	49.7	20.8	20.8
6-7 AM	1486	0.0	420	0.0	3000	1486	0	420	0.22	0	60.2	53.5	49.7	17.5	17.5
7-8 AM	2044	0.0	578	0.0	3000	2044	0	578	0.22	0	60.2	53.5	49.7	15.2	15.2
8-9 AM	1801	0.0	508	0.0	3000	1801	0	508	0.22	0	60.2	53.5	49.7	16.2	16.2
9-10 AM	1759	0.0	497	0.0	3000	1759	0	497	0.22	0	60.2	53.5	49.7	16.3	16.3
10-11 AM	1883	0.0	531	0.0	3000	1883	0	531	0.22	0	60.2	53.5	49.7	15.8	15.8
11A-NOON	2105	0.0	594	0.0	3000	2105	0	594	0.22	0	60.2	53.5	49.7	15.0	15.0
NOON-1PM	2281	0.0	643	0.0	3000	2281	0	643	0.22	0	60.2	53.5	49.7	14.2	14.2
1-2 PM	2322	0.0	656	0.0	3000	2322	0	656	0.22	0	60.2	53.5	49.7	14.0	14.0
2-3 PM	2737	0.0	773	0.0	2999	2737	0	773	0.45	0	60.2	47.7	41.9	12.4	12.4
3-4 PM	3431	0.0	969	0.0	2999	3431	0	969	2.89	164	60.2	23.2	37.3	10.9	11.1
4-5 PM	4375	0.0	1236	0.0	3000	4375	0	1236	19.56	1103	60.2	9.4	37.3	9.4	11.6
5-6 PM	3913	0.0	1105	0.0	3000	3719	194	1299	41.36	2273	60.2	7.7	37.3	10.1	13.4
6-7 PM	2397	0.0	677	0.0	3000	1960	437	1114	37.15	2043	60.2	7.8	37.3	13.7	14.3
7-8 PM	1692	0.0	478	0.0	2999	1692	0	478	14.32	858	60.2	10.8	42.8	16.6	18.9
8-9 PM	1536	0.0	433	0.0	3000	1536	0	433	0.32	11	60.2	50.5	49.7	17.3	17.3
9-10 PM	1234	0.0	348	0.0	3000	1234	0	348	0.22	0	60.2	53.5	49.7	18.5	18.5
10-11 PM	865	0.0	244	0.0	3000	865	0	244	0.22	0	60.2	53.5	49.7	20.1	20.1
11PM-MID	532	0.0	151	0.0	3000	532	0	151	0.22	0	60.2	53.5	49.7	21.4	21.4

----- 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	0.0109
MAIN ROUTE WITH WORKS	0.0081
DIVERSION	0.0863

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$85,428
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

STH 172: USH 41 TO STH 57 (BROWN COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 32, STH 57

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

