

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

MAY
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	340	0.0	96	0.0	3000	340	0	96	0.22	0	60.2	53.5	49.7	22.2	22.2
1-2 AM	183	0.0	51	0.0	3000	183	0	51	0.22	0	60.2	53.5	49.7	22.9	22.9
2-3 AM	127	0.0	36	0.0	3000	127	0	36	0.22	0	60.2	53.5	49.7	23.1	23.1
3-4 AM	116	0.0	32	0.0	3000	116	0	32	0.22	0	60.2	53.5	49.7	23.1	23.1
4-5 AM	164	0.0	46	0.0	3000	164	0	46	0.22	0	60.2	53.5	49.7	22.9	22.9
5-6 AM	264	0.0	74	0.0	3000	264	0	74	0.22	0	60.2	53.5	49.7	22.5	22.5
6-7 AM	368	0.0	104	0.0	3000	368	0	104	0.22	0	60.2	53.5	49.7	22.1	22.1
7-8 AM	581	0.0	164	0.0	3000	581	0	164	0.22	0	60.2	53.5	49.7	21.2	21.2
8-9 AM	788	0.0	223	0.0	3000	788	0	223	0.22	0	60.2	53.5	49.7	20.4	20.4
9-10 AM	1365	0.0	385	0.0	3000	1365	0	385	0.22	0	60.2	53.5	49.7	18.0	18.0
10-11 AM	1786	0.0	504	0.0	3000	1786	0	504	0.22	0	60.2	53.5	49.7	16.3	16.3
11A-NOON	1881	0.0	532	0.0	3000	1881	0	532	0.22	0	60.2	53.5	49.7	15.8	15.8
NOON-1PM	2134	0.0	603	0.0	3000	2134	0	603	0.22	0	60.2	53.5	49.7	14.8	14.8
1-2 PM	1996	0.0	564	0.0	3000	1996	0	564	0.22	0	60.2	53.5	49.7	15.4	15.4
2-3 PM	1853	0.0	523	0.0	3000	1853	0	523	0.22	0	60.2	53.5	49.7	16.0	16.0
3-4 PM	1727	0.0	488	0.0	3000	1727	0	488	0.22	0	60.2	53.5	49.7	16.5	16.5
4-5 PM	1681	0.0	475	0.0	3000	1681	0	475	0.22	0	60.2	53.5	49.7	16.7	16.7
5-6 PM	1646	0.0	465	0.0	3000	1646	0	465	0.22	0	60.2	53.5	49.7	16.8	16.8
6-7 PM	1349	0.0	381	0.0	3000	1349	0	381	0.22	0	60.2	53.5	49.7	18.1	18.1
7-8 PM	941	0.0	266	0.0	3000	941	0	266	0.22	0	60.2	53.5	49.7	19.7	19.7
8-9 PM	750	0.0	211	0.0	3000	750	0	211	0.22	0	60.2	53.5	49.7	20.5	20.5
9-10 PM	554	0.0	156	0.0	3000	554	0	156	0.22	0	60.2	53.5	49.7	21.3	21.3
10-11 PM	445	0.0	126	0.0	3000	445	0	126	0.22	0	60.2	53.5	49.7	21.8	21.8
11PM-MID	157	0.0	44	0.0	3000	157	0	44	0.22	0	60.2	53.5	49.7	23.0	23.0

----- 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	0.0063
MAIN ROUTE WITH WORKS	0.0048
DIVERSION	0.0473

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,260
CONGESTED HOURS PER DAY*	0

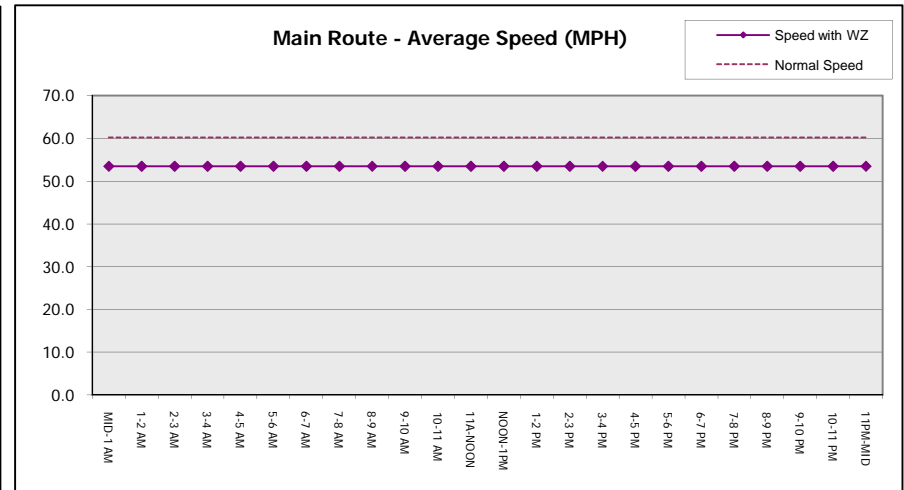
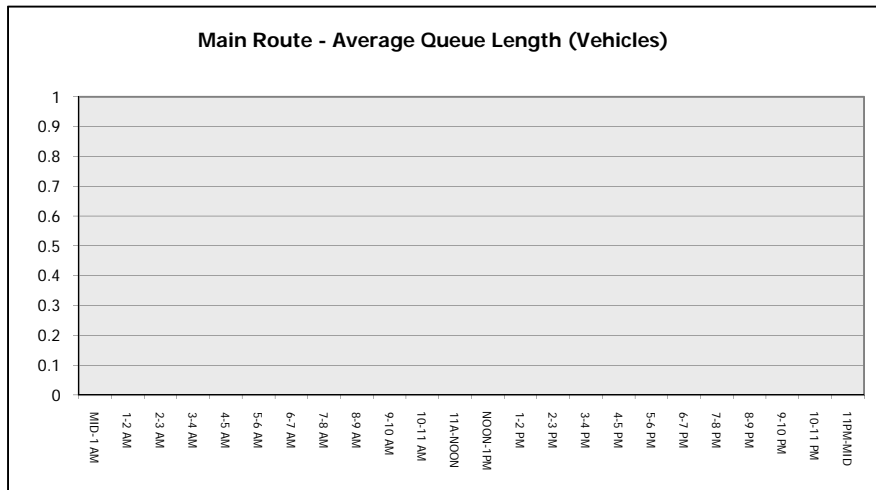
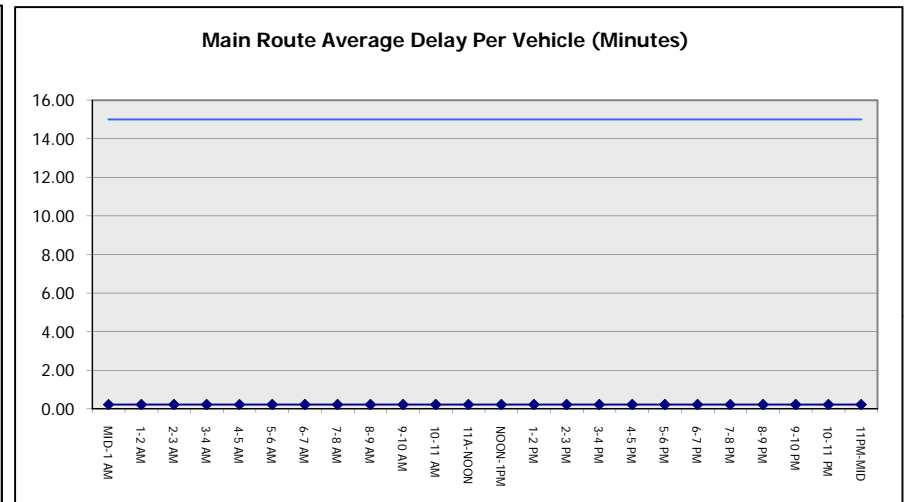
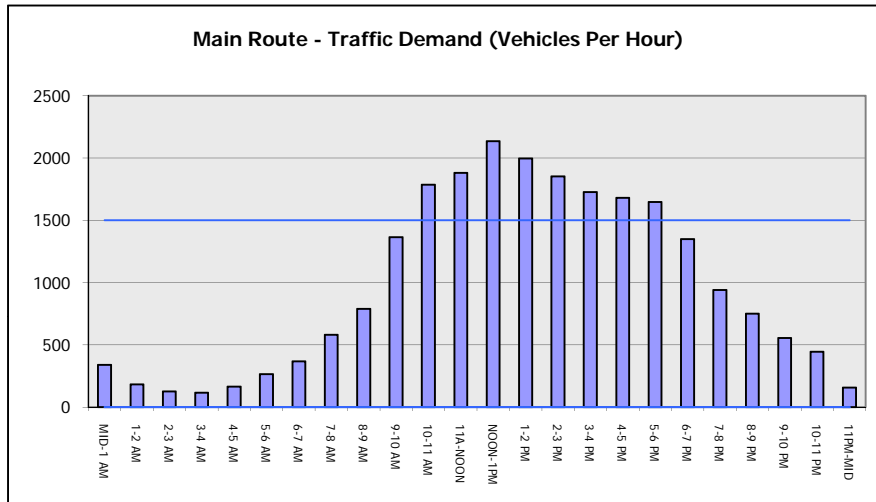
*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 32, STH 57

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



STH 172: USH 41 TO STH 57 (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 32, STH 57	MAY
	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						
	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	420	0.0	118	0.0	3000	420	0	118	0.22	0	60.2	53.5	49.7	21.9	21.9
1-2 AM	314	0.0	89	0.0	3000	314	0	89	0.22	0	60.2	53.5	49.7	22.3	22.3
2-3 AM	272	0.0	77	0.0	3000	272	0	77	0.22	0	60.2	53.5	49.7	22.5	22.5
3-4 AM	199	0.0	57	0.0	3000	199	0	57	0.22	0	60.2	53.5	49.7	22.8	22.8
4-5 AM	145	0.0	41	0.0	3000	145	0	41	0.22	0	60.2	53.5	49.7	23.0	23.0
5-6 AM	169	0.0	48	0.0	3000	169	0	48	0.22	0	60.2	53.5	49.7	22.9	22.9
6-7 AM	354	0.0	100	0.0	3000	354	0	100	0.22	0	60.2	53.5	49.7	22.1	22.1
7-8 AM	480	0.0	136	0.0	3000	480	0	136	0.22	0	60.2	53.5	49.7	21.6	21.6
8-9 AM	746	0.0	210	0.0	3000	746	0	210	0.22	0	60.2	53.5	49.7	20.6	20.6
9-10 AM	992	0.0	280	0.0	3000	992	0	280	0.22	0	60.2	53.5	49.7	19.5	19.5
10-11 AM	1469	0.0	415	0.0	3000	1469	0	415	0.22	0	60.2	53.5	49.7	17.6	17.6
11A-NOON	1748	0.0	494	0.0	3000	1748	0	494	0.22	0	60.2	53.5	49.7	16.4	16.4
NOON-1PM	1916	0.0	541	0.0	3000	1916	0	541	0.22	0	60.2	53.5	49.7	15.7	15.7
1-2 PM	2046	0.0	578	0.0	3000	2046	0	578	0.22	0	60.2	53.5	49.7	15.2	15.2
2-3 PM	2280	0.0	643	0.0	3000	2280	0	643	0.22	0	60.2	53.5	49.7	14.2	14.2
3-4 PM	2259	0.0	638	0.0	3000	2259	0	638	0.22	0	60.2	53.5	49.7	14.3	14.3
4-5 PM	2306	0.0	651	0.0	3000	2306	0	651	0.22	0	60.2	53.5	49.7	14.1	14.1
5-6 PM	1946	0.0	549	0.0	3000	1946	0	549	0.22	0	60.2	53.5	49.7	15.6	15.6
6-7 PM	1759	0.0	497	0.0	3000	1759	0	497	0.22	0	60.2	53.5	49.7	16.3	16.3
7-8 PM	1276	0.0	360	0.0	3000	1276	0	360	0.22	0	60.2	53.5	49.7	18.4	18.4
8-9 PM	987	0.0	278	0.0	3000	987	0	278	0.22	0	60.2	53.5	49.7	19.6	19.6
9-10 PM	747	0.0	211	0.0	3000	747	0	211	0.22	0	60.2	53.5	49.7	20.5	20.5
10-11 PM	523	0.0	148	0.0	3000	523	0	148	0.22	0	60.2	53.5	49.7	21.4	21.4
11PM-MID	323	0.0	91	0.0	3000	323	0	91	0.22	0	60.2	53.5	49.7	22.3	22.3

----- 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	0.0070
MAIN ROUTE WITH WORKS	0.0053
DIVERSION	0.0524

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,395
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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SUNDAY EASTBOUND DIRECTION

