

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

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	141	0.0	40	0.0	3000	141	0	40	0.22	0	60.2	53.5	49.7	23.0	23.0
1-2 AM	138	0.0	39	0.0	3000	138	0	39	0.22	0	60.2	53.5	49.7	23.0	23.0
2-3 AM	161	0.0	45	0.0	3000	161	0	45	0.22	0	60.2	53.5	49.7	22.9	22.9
3-4 AM	152	0.0	43	0.0	3000	152	0	43	0.22	0	60.2	53.5	49.7	23.0	23.0
4-5 AM	439	0.0	125	0.0	3000	439	0	125	0.22	0	60.2	53.5	49.7	21.8	21.8
5-6 AM	1294	0.0	365	0.0	3000	1294	0	365	0.22	0	60.2	53.5	49.7	18.3	18.3
6-7 AM	2796	0.0	790	0.0	2999	2796	0	790	0.66	17	60.2	43.4	42.6	12.1	12.4
7-8 AM	4047	0.0	1143	0.0	3000	4047	0	1143	10.23	600	60.2	12.2	37.3	9.9	11.0
8-9 AM	2585	0.0	730	0.0	2999	2585	0	730	17.93	970	60.2	9.5	37.3	13.0	15.3
9-10 AM	2116	0.0	597	0.0	2999	2116	0	597	3.10	292	60.2	24.0	45.4	14.9	15.5
10-11 AM	2124	0.0	600	0.0	3000	2124	0	600	0.22	0	60.2	53.5	49.7	14.8	14.8
11A-NOON	2237	0.0	632	0.0	3000	2237	0	632	0.22	0	60.2	53.5	49.7	14.4	14.4
NOON-1PM	2492	0.0	703	0.0	3000	2492	0	703	0.29	0	60.2	51.5	47.0	13.4	13.4
1-2 PM	2489	0.0	703	0.0	3000	2489	0	703	0.28	0	60.2	51.6	47.1	13.4	13.4
2-3 PM	2629	0.0	742	0.0	3000	2629	0	742	0.38	0	60.2	49.2	43.9	12.8	12.8
3-4 PM	2825	0.0	797	0.0	2999	2825	0	797	0.51	0	60.2	46.4	40.2	12.0	12.0
4-5 PM	3234	0.0	913	0.0	2999	3234	0	913	2.41	113	60.2	25.0	37.3	11.2	11.2
5-6 PM	2944	0.0	832	0.0	2999	2944	0	832	4.94	241	60.2	16.5	37.3	11.7	12.0
6-7 PM	2131	0.0	602	0.0	3000	2131	0	602	0.46	22	60.2	47.3	49.2	14.8	14.8
7-8 PM	1561	0.0	441	0.0	3000	1561	0	441	0.22	0	60.2	53.5	49.7	17.2	17.2
8-9 PM	1179	0.0	333	0.0	3000	1179	0	333	0.22	0	60.2	53.5	49.7	18.8	18.8
9-10 PM	908	0.0	256	0.0	3000	908	0	256	0.22	0	60.2	53.5	49.7	19.9	19.9
10-11 PM	700	0.0	198	0.0	3000	700	0	198	0.22	0	60.2	53.5	49.7	20.7	20.7
11PM-MID	445	0.0	126	0.0	3000	445	0	126	0.22	0	60.2	53.5	49.7	21.8	21.8

----- 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	0.0113
MAIN ROUTE WITH WORKS	0.0086
DIVERSION	0.0851

PIA: Personal Injury Accidents

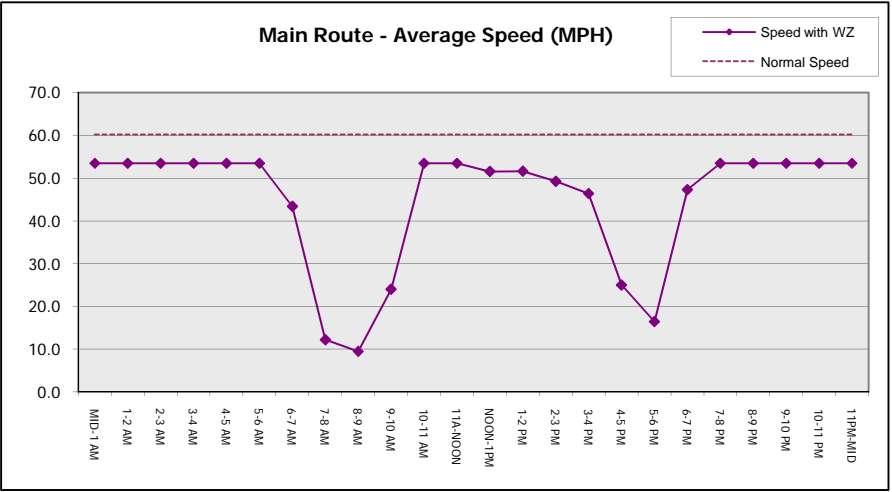
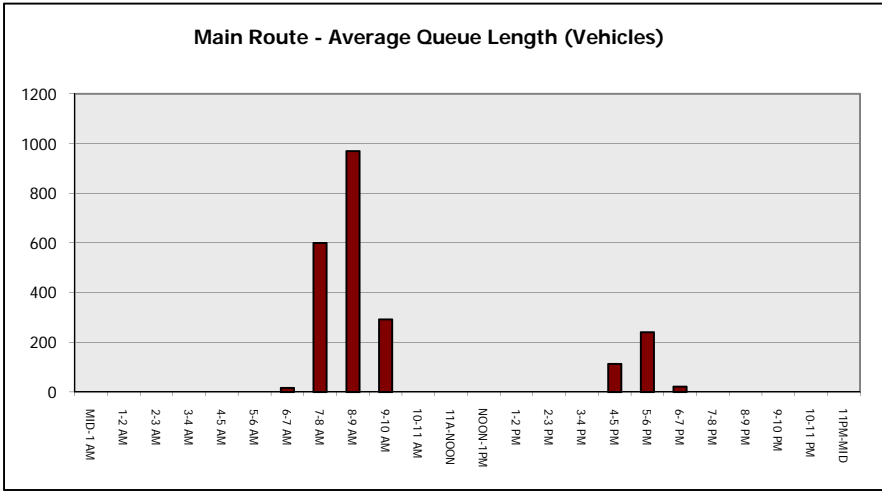
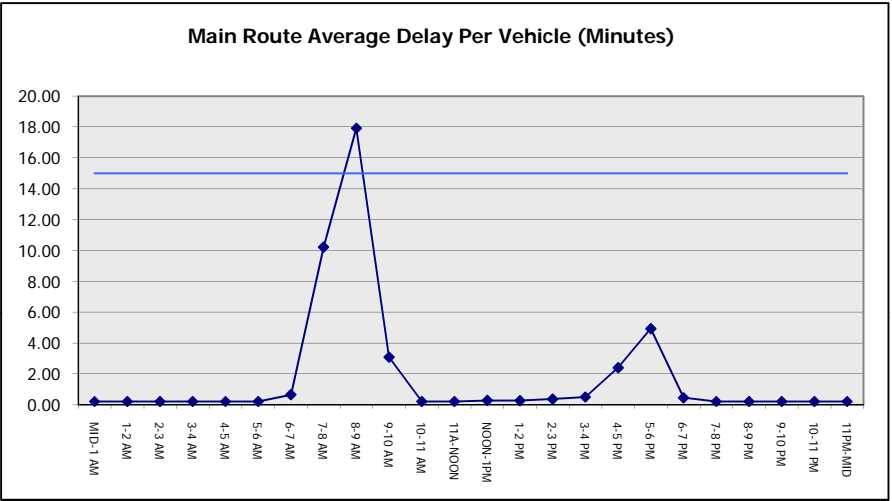
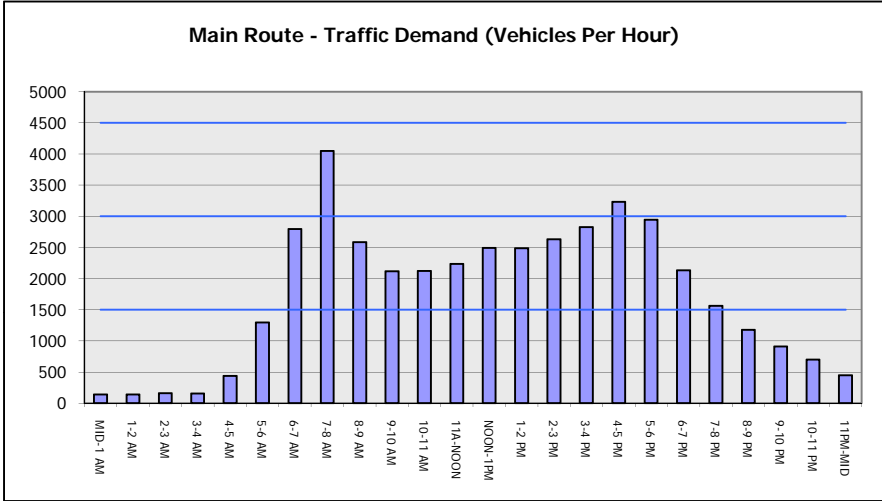
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$29,416
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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

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	295	0.0	84	0.0	3000	295	0	84	0.22	0	60.2	53.5	49.7	22.4	22.4
1-2 AM	159	0.0	45	0.0	3000	159	0	45	0.22	0	60.2	53.5	49.7	22.9	22.9
2-3 AM	210	0.0	60	0.0	3000	210	0	60	0.22	0	60.2	53.5	49.7	22.7	22.7
3-4 AM	173	0.0	49	0.0	3000	173	0	49	0.22	0	60.2	53.5	49.7	22.9	22.9
4-5 AM	253	0.0	71	0.0	3000	253	0	71	0.22	0	60.2	53.5	49.7	22.5	22.5
5-6 AM	559	0.0	158	0.0	3000	559	0	158	0.22	0	60.2	53.5	49.7	21.3	21.3
6-7 AM	1436	0.0	405	0.0	3000	1436	0	405	0.22	0	60.2	53.5	49.7	17.7	17.7
7-8 AM	2043	0.0	577	0.0	3000	2043	0	577	0.22	0	60.2	53.5	49.7	15.2	15.2
8-9 AM	1887	0.0	533	0.0	3000	1887	0	533	0.22	0	60.2	53.5	49.7	15.8	15.8
9-10 AM	1645	0.0	465	0.0	3000	1645	0	465	0.22	0	60.2	53.5	49.7	16.8	16.8
10-11 AM	1767	0.0	499	0.0	3000	1767	0	499	0.22	0	60.2	53.5	49.7	16.3	16.3
11A-NOON	2295	0.0	648	0.0	3000	2295	0	648	0.22	0	60.2	53.5	49.7	14.2	14.2
NOON-1PM	2321	0.0	656	0.0	3000	2321	0	656	0.22	0	60.2	53.5	49.7	14.0	14.0
1-2 PM	2573	0.0	726	0.0	3000	2573	0	726	0.34	0	60.2	50.2	45.1	13.0	13.0
2-3 PM	2837	0.0	800	0.0	2999	2837	0	800	0.51	0	60.2	46.3	40.1	11.9	12.0
3-4 PM	3618	0.0	1021	0.0	2999	3618	0	1021	4.46	265	60.2	18.4	37.3	10.6	10.9
4-5 PM	4234	0.0	1195	0.0	3000	4234	0	1195	22.21	1235	60.2	9.0	37.3	9.6	12.1
5-6 PM	3612	0.0	1020	0.0	3000	3412	200	1220	39.18	2150	60.2	7.8	37.3	10.6	13.8
6-7 PM	2363	0.0	668	0.0	3000	2072	291	958	33.27	1826	60.2	8.0	37.3	13.8	15.2
7-8 PM	1739	0.0	491	0.0	2999	1739	0	491	11.61	727	60.2	11.9	43.7	16.5	18.3
8-9 PM	1637	0.0	462	0.0	3000	1636	0	463	0.24	2	60.2	52.7	49.7	16.9	16.8
9-10 PM	1335	0.0	377	0.0	3000	1335	0	377	0.22	0	60.2	53.5	49.7	18.1	18.1
10-11 PM	987	0.0	278	0.0	3000	987	0	278	0.22	0	60.2	53.5	49.7	19.6	19.6
11PM-MID	629	0.0	178	0.0	3000	629	0	178	0.22	0	60.2	53.5	49.7	21.0	21.0

----- 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	0.0110
MAIN ROUTE WITH WORKS	0.0082
DIVERSION	0.0863

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$83,479
CONGESTED HOURS PER DAY*	3

*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

FRIDAY EASTBOUND DIRECTION

