

STH 172: STH 57 TO IH 43 (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	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		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	270	0.0	1500	270	0	0.45	0	65.9	57.8	44.4
1-2 AM	145	0.0	1500	145	0	0.44	0	66.1	58.1	44.9
2-3 AM	101	0.0	1500	101	0	0.43	0	66.2	58.2	45.1
3-4 AM	92	0.0	1500	92	0	0.43	0	66.2	58.2	45.1
4-5 AM	131	0.0	1500	131	0	0.44	0	66.1	58.2	45.0
5-6 AM	209	0.0	1500	209	0	0.44	0	66.0	57.9	44.6
6-7 AM	292	0.0	1500	292	0	0.45	0	65.8	57.7	44.3
7-8 AM	461	0.0	1500	461	0	0.47	0	65.5	57.2	43.7
8-9 AM	626	0.0	1500	626	0	0.48	0	65.2	56.7	43.0
9-10 AM	1083	0.0	1500	1083	0	0.53	0	64.4	55.4	41.4
10-11 AM	1417	0.0	1499	1417	0	0.92	0	63.7	49.9	32.6
11AM-NOON	1493	0.0	1499	1493	0	1.12	3	63.6	47.5	31.2
NOON-1PM	1693	0.0	1500	1693	0	4.58	107	63.2	26.6	30.8
1-2 PM	1584	0.0	1499	1584	0	10.45	255	63.4	15.3	30.8
2-3 PM	1470	0.0	1499	1470	0	11.50	282	63.7	14.2	30.8
3-4 PM	1370	0.0	1499	1370	0	8.30	200	63.8	18.1	30.8
4-5 PM	1334	0.0	1499	1334	0	2.48	53	63.9	36.4	32.9
5-6 PM	1306	0.0	1500	1306	0	0.77	0	64.0	51.7	35.3
6-7 PM	1071	0.0	1500	1071	0	0.53	0	64.4	55.5	41.4
7-8 PM	746	0.0	1500	746	0	0.49	0	65.0	56.4	42.6
8-9 PM	595	0.0	1500	595	0	0.48	0	65.3	56.8	43.2
9-10 PM	440	0.0	1500	440	0	0.47	0	65.6	57.3	43.7
10-11 PM	353	0.0	1500	353	0	0.46	0	65.7	57.5	44.1
11PM-MID	125	0.0	1500	125	0	0.43	0	66.1	58.2	45.0

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

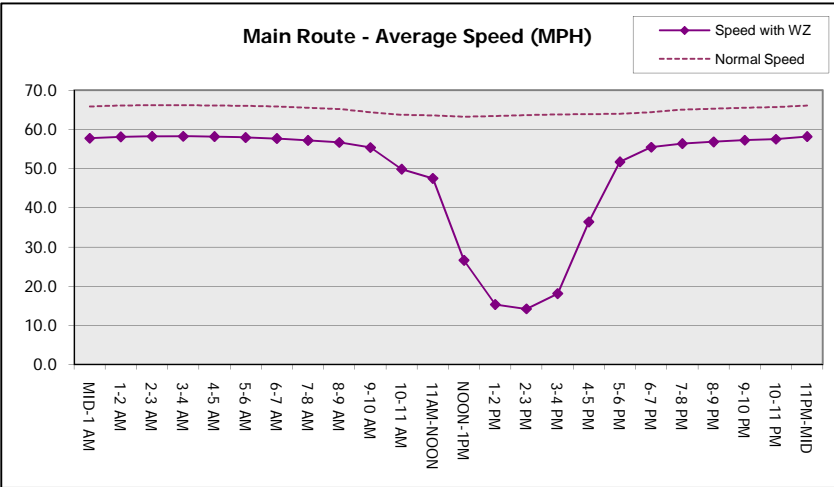
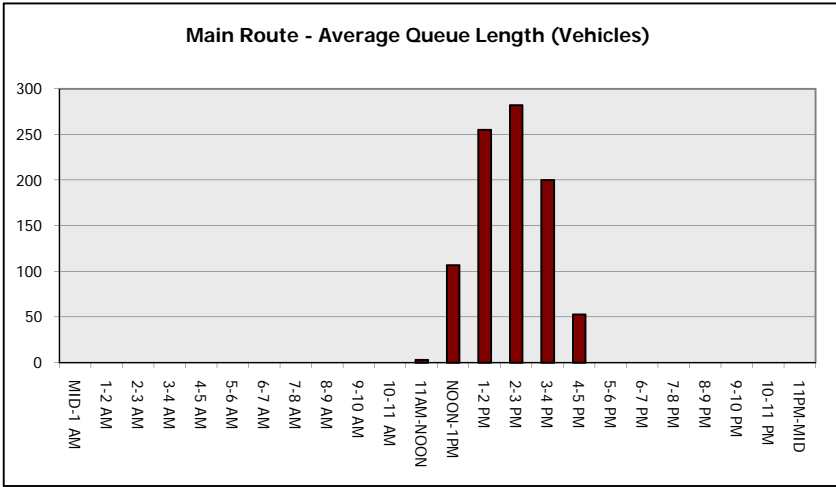
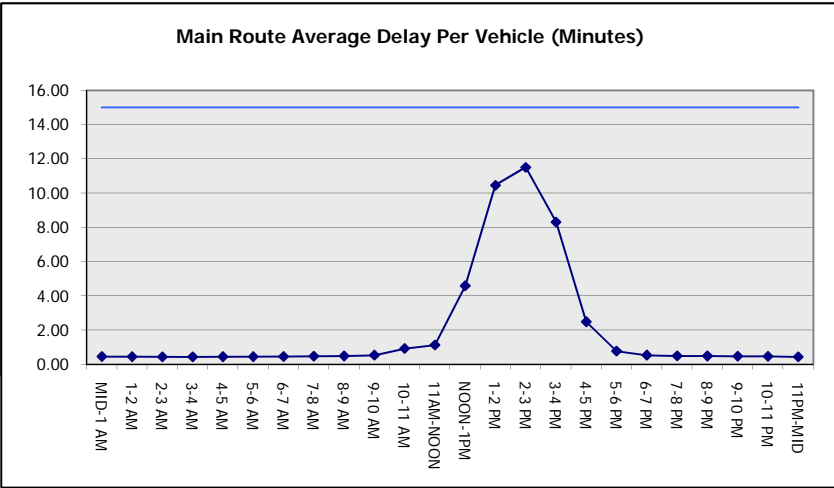
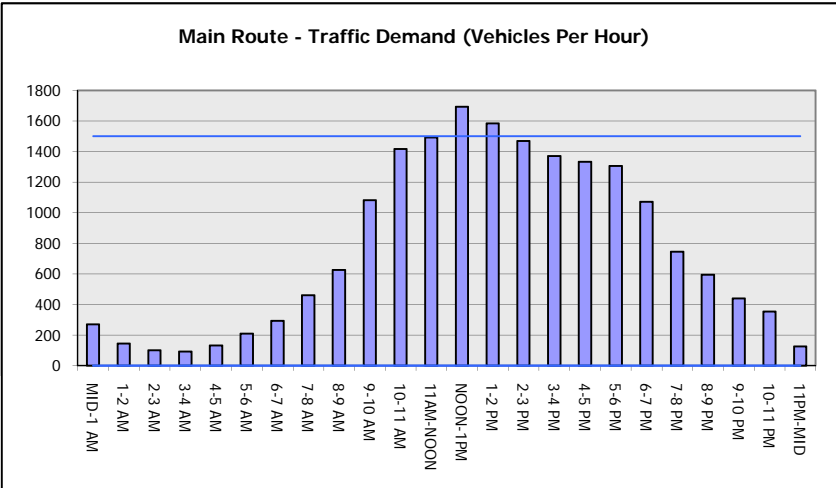
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0102
MAIN ROUTE WITH WORKS	0.0090
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$17,957
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

**STH 172: STH 57 TO IH 43 (BROWN COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

MAY
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



STH 172: STH 57 TO IH 43 (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	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 ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	334	0.0	1500	334	0	0.45	0	65.8	57.6	44.2
1-2 AM	249	0.0	1500	249	0	0.45	0	66.0	57.8	44.5
2-3 AM	216	0.0	1500	216	0	0.44	0	66.0	57.9	44.6
3-4 AM	157	0.0	1500	157	0	0.44	0	66.1	58.1	44.8
4-5 AM	115	0.0	1500	115	0	0.43	0	66.2	58.2	45.0
5-6 AM	135	0.0	1500	135	0	0.44	0	66.1	58.1	45.0
6-7 AM	281	0.0	1500	281	0	0.45	0	65.9	57.7	44.3
7-8 AM	381	0.0	1500	381	0	0.46	0	65.7	57.4	44.0
8-9 AM	592	0.0	1500	592	0	0.48	0	65.3	56.8	43.2
9-10 AM	787	0.0	1500	787	0	0.50	0	64.9	56.3	42.4
10-11 AM	1166	0.0	1500	1166	0	0.59	0	64.2	54.3	39.6
11AM-NOON	1388	0.0	1499	1388	0	0.88	0	63.8	50.4	33.3
NOON-1PM	1520	0.0	1499	1520	0	1.24	6	63.5	46.3	30.9
1-2 PM	1624	0.0	1500	1624	0	3.71	78	63.3	29.9	30.8
2-3 PM	1810	0.0	1500	1793	17	11.37+	296	63.0	14.3	30.8
3-4 PM	1793	0.0	1500	1476	317	15.74+	397	63.0	11.0	30.8
4-5 PM	1830	0.0	1500	1500	330	15.82+	400	63.0	10.9	30.8
5-6 PM	1544	0.0	1499	1476	68	15.75+	397	63.5	11.0	30.8
6-7 PM	1396	0.0	1499	1396	0	14.24+	358	63.8	12.0	30.8
7-8 PM	1013	0.0	1499	1013	0	2.68	99	64.5	35.3	38.3
8-9 PM	783	0.0	1500	783	0	0.50	0	64.9	56.3	42.5
9-10 PM	593	0.0	1500	593	0	0.48	0	65.3	56.8	43.2
10-11 PM	415	0.0	1500	415	0	0.46	0	65.6	57.3	43.8
11PM-MID	256	0.0	1500	256	0	0.45	0	65.9	57.8	44.5

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0113
MAIN ROUTE WITH WORKS	0.0096
'DIVERSION'	0.0009

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$38,948
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

**STH 172: STH 57 TO IH 43 (BROWN COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

MAY
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

