

STH 29: CTH FF TO PACKERLAND (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR SOUTHBOUND 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	60	0.0	1500	60	0	0.45	0	60.2	50.7	41.8
1-2 AM	57	0.0	1500	57	0	0.45	0	60.2	50.7	41.8
2-3 AM	44	0.0	1500	44	0	0.45	0	60.2	50.7	41.9
3-4 AM	54	0.0	1500	54	0	0.45	0	60.2	50.7	41.8
4-5 AM	173	0.0	1500	173	0	0.46	0	60.2	50.5	41.4
5-6 AM	241	0.0	1500	241	0	0.47	0	60.2	50.3	41.2
6-7 AM	508	0.0	1500	508	0	0.50	0	60.2	49.7	40.2
7-8 AM	636	0.0	1500	636	0	0.52	0	60.2	49.5	39.9
8-9 AM	511	0.0	1500	511	0	0.50	0	60.2	49.7	40.2
9-10 AM	483	0.0	1500	483	0	0.50	0	60.2	49.8	40.4
10-11 AM	515	0.0	1500	515	0	0.50	0	60.2	49.7	40.2
11AM-NOON	538	0.0	1500	538	0	0.51	0	60.2	49.7	40.2
NOON-1PM	608	0.0	1500	608	0	0.52	0	60.2	49.6	39.9
1-2 PM	642	0.0	1500	642	0	0.52	0	60.2	49.5	39.8
2-3 PM	793	0.0	1500	793	0	0.54	0	60.2	49.2	39.4
3-4 PM	1043	0.0	1500	1043	0	0.57	0	60.2	48.6	38.6
4-5 PM	1286	0.0	1500	1286	0	0.80	0	60.2	45.1	33.7
5-6 PM	1146	0.0	1500	1146	0	0.61	0	60.2	47.9	37.5
6-7 PM	751	0.0	1500	751	0	0.53	0	60.2	49.2	39.5
7-8 PM	493	0.0	1500	493	0	0.50	0	60.2	49.8	40.3
8-9 PM	442	0.0	1500	442	0	0.49	0	60.2	49.9	40.5
9-10 PM	328	0.0	1500	328	0	0.48	0	60.2	50.1	40.9
10-11 PM	192	0.0	1500	192	0	0.46	0	60.2	50.4	41.3
11PM-MID	129	0.0	1500	129	0	0.46	0	60.2	50.5	41.5

----- 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

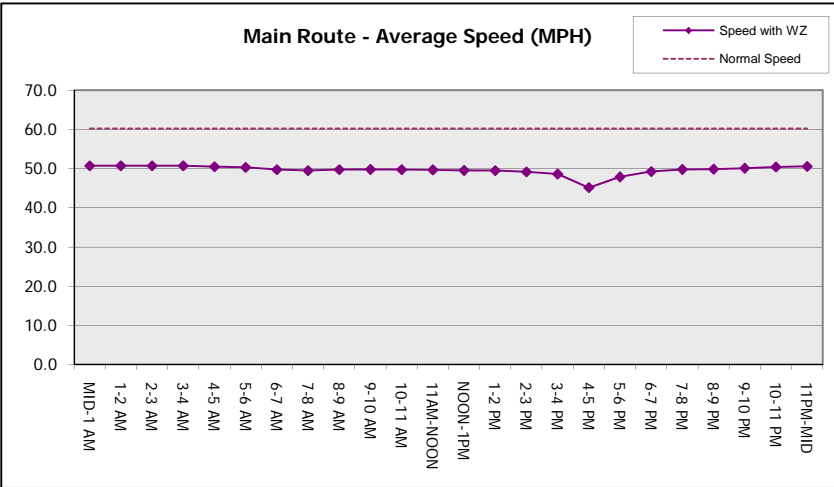
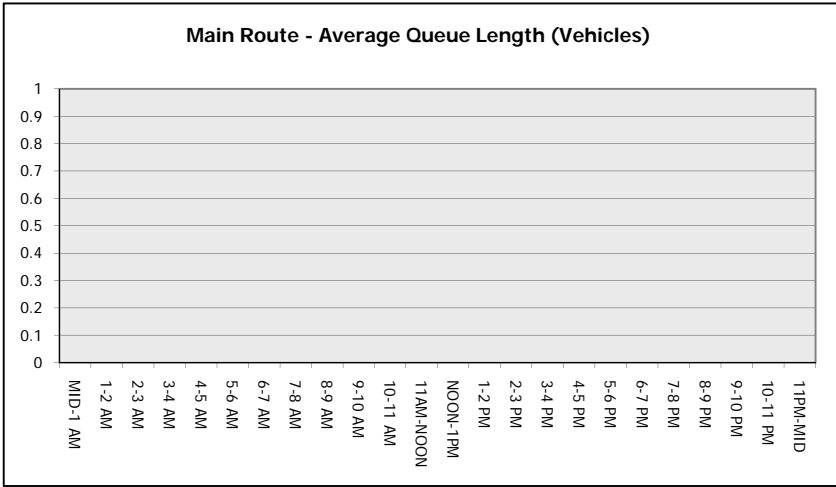
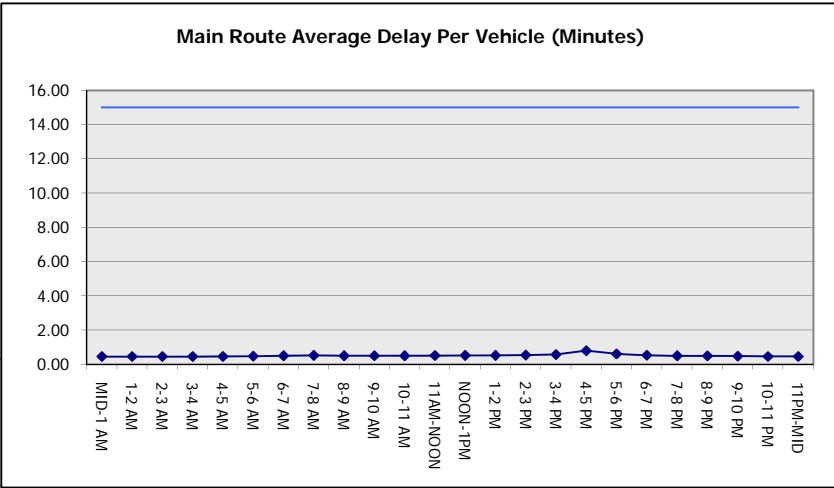
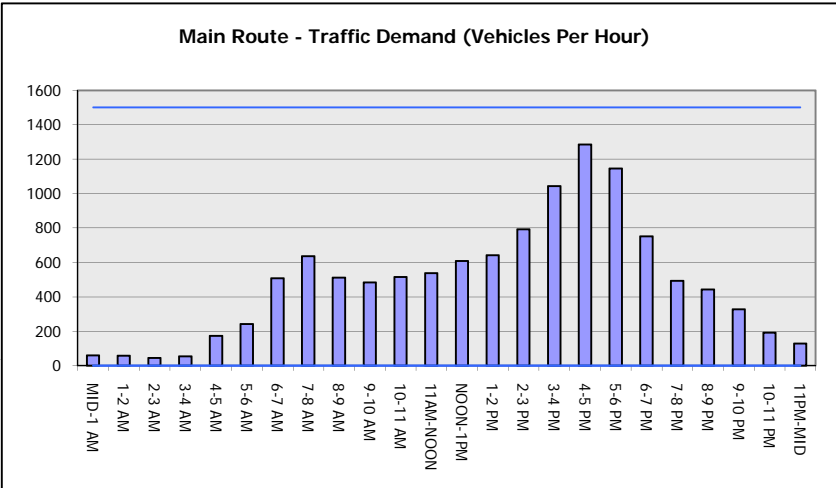
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0046
MAIN ROUTE WITH WORKS	0.0059
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,314
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR NORTHBOUND 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	60	0.0	1500	60	0	0.45	0	60.2	50.7	41.8
1-2 AM	32	0.0	1500	32	0	0.44	0	60.2	50.8	41.9
2-3 AM	51	0.0	1500	51	0	0.45	0	60.2	50.7	41.8
3-4 AM	82	0.0	1500	82	0	0.45	0	60.2	50.7	41.7
4-5 AM	199	0.0	1500	199	0	0.46	0	60.2	50.4	41.3
5-6 AM	570	0.0	1500	570	0	0.51	0	60.2	49.6	40.1
6-7 AM	1010	0.0	1500	1010	0	0.56	0	60.2	48.7	38.7
7-8 AM	1209	0.0	1500	1209	0	0.70	0	60.2	46.6	35.6
8-9 AM	825	0.0	1500	825	0	0.54	0	60.2	49.1	39.2
9-10 AM	658	0.0	1500	658	0	0.52	0	60.2	49.4	39.8
10-11 AM	617	0.0	1500	617	0	0.52	0	60.2	49.5	39.9
11AM-NOON	603	0.0	1500	603	0	0.51	0	60.2	49.6	39.9
NOON-1PM	604	0.0	1500	604	0	0.51	0	60.2	49.6	39.9
1-2 PM	685	0.0	1500	685	0	0.52	0	60.2	49.4	39.7
2-3 PM	665	0.0	1500	665	0	0.52	0	60.2	49.4	39.7
3-4 PM	814	0.0	1500	814	0	0.54	0	60.2	49.1	39.3
4-5 PM	820	0.0	1500	820	0	0.54	0	60.2	49.1	39.2
5-6 PM	778	0.0	1500	778	0	0.54	0	60.2	49.2	39.4
6-7 PM	495	0.0	1500	495	0	0.50	0	60.2	49.8	40.3
7-8 PM	331	0.0	1500	331	0	0.48	0	60.2	50.1	40.9
8-9 PM	297	0.0	1500	297	0	0.48	0	60.2	50.2	41.0
9-10 PM	230	0.0	1500	230	0	0.47	0	60.2	50.4	41.2
10-11 PM	155	0.0	1500	155	0	0.46	0	60.2	50.5	41.5
11PM-MID	91	0.0	1500	91	0	0.45	0	60.2	50.7	41.7

----- 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	0.0047
MAIN ROUTE WITH WORKS	0.0060
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,299
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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