

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

SUNDAY 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	96	0.0	1500	96	0	0.45	0	60.2	50.7	41.7
1-2 AM	65	0.0	1500	65	0	0.45	0	60.2	50.7	41.8
2-3 AM	64	0.0	1500	64	0	0.45	0	60.2	50.7	41.8
3-4 AM	33	0.0	1500	33	0	0.44	0	60.2	50.8	41.9
4-5 AM	52	0.0	1500	52	0	0.45	0	60.2	50.7	41.8
5-6 AM	69	0.0	1500	69	0	0.45	0	60.2	50.7	41.7
6-7 AM	146	0.0	1500	146	0	0.46	0	60.2	50.5	41.5
7-8 AM	214	0.0	1500	214	0	0.47	0	60.2	50.4	41.2
8-9 AM	280	0.0	1500	280	0	0.47	0	60.2	50.2	41.0
9-10 AM	419	0.0	1500	419	0	0.49	0	60.2	49.9	40.6
10-11 AM	556	0.0	1500	556	0	0.51	0	60.2	49.7	40.1
11AM-NOON	635	0.0	1500	635	0	0.52	0	60.2	49.5	39.9
NOON-1PM	687	0.0	1500	687	0	0.53	0	60.2	49.4	39.7
1-2 PM	709	0.0	1500	709	0	0.53	0	60.2	49.3	39.6
2-3 PM	671	0.0	1500	671	0	0.52	0	60.2	49.4	39.7
3-4 PM	654	0.0	1500	654	0	0.52	0	60.2	49.4	39.8
4-5 PM	729	0.0	1500	729	0	0.53	0	60.2	49.3	39.6
5-6 PM	532	0.0	1500	532	0	0.51	0	60.2	49.7	40.2
6-7 PM	526	0.0	1500	526	0	0.51	0	60.2	49.7	40.2
7-8 PM	329	0.0	1500	329	0	0.48	0	60.2	50.1	40.9
8-9 PM	283	0.0	1500	283	0	0.48	0	60.2	50.2	41.0
9-10 PM	169	0.0	1500	169	0	0.46	0	60.2	50.5	41.4
10-11 PM	136	0.0	1500	136	0	0.46	0	60.2	50.5	41.5
11PM-MID	92	0.0	1500	92	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

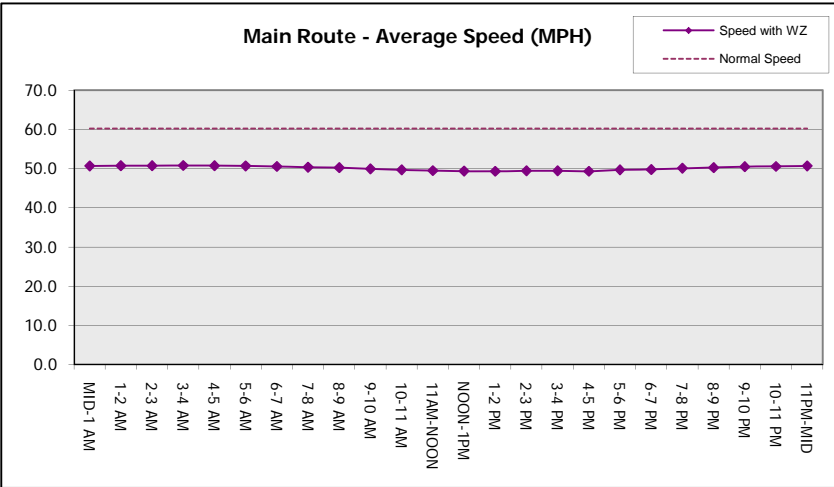
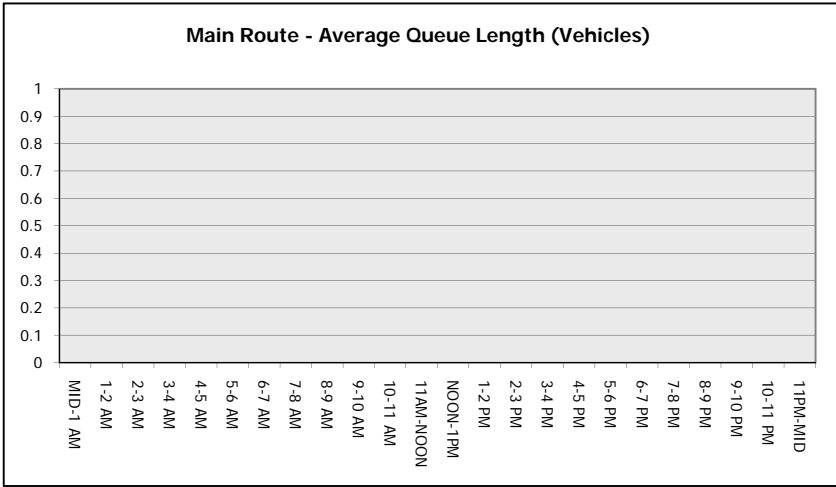
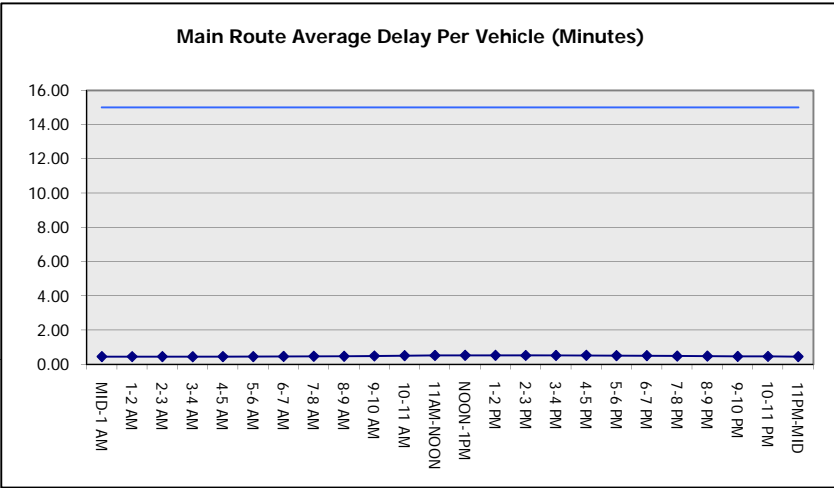
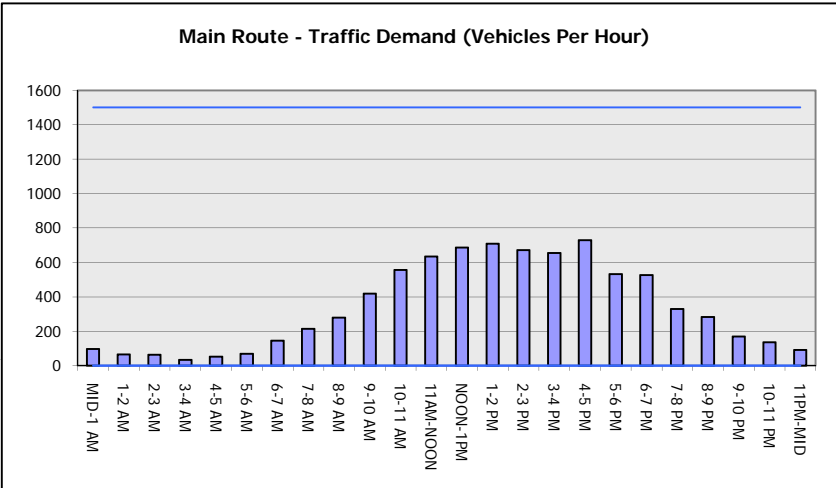
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0032
MAIN ROUTE WITH WORKS	0.0041
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,077
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	114	0.0	1500	114	0	0.45	0	60.2	50.6	41.6
1-2 AM	45	0.0	1500	45	0	0.45	0	60.2	50.7	41.9
2-3 AM	54	0.0	1500	54	0	0.45	0	60.2	50.7	41.8
3-4 AM	30	0.0	1500	30	0	0.44	0	60.2	50.8	41.9
4-5 AM	54	0.0	1500	54	0	0.45	0	60.2	50.7	41.8
5-6 AM	139	0.0	1500	139	0	0.46	0	60.2	50.5	41.5
6-7 AM	176	0.0	1500	176	0	0.46	0	60.2	50.5	41.4
7-8 AM	226	0.0	1500	226	0	0.47	0	60.2	50.4	41.2
8-9 AM	342	0.0	1500	342	0	0.48	0	60.2	50.1	40.8
9-10 AM	556	0.0	1500	556	0	0.51	0	60.2	49.7	40.1
10-11 AM	685	0.0	1500	685	0	0.52	0	60.2	49.4	39.7
11AM-NOON	864	0.0	1500	864	0	0.55	0	60.2	49.0	39.1
NOON-1PM	826	0.0	1500	826	0	0.54	0	60.2	49.1	39.2
1-2 PM	839	0.0	1500	839	0	0.54	0	60.2	49.1	39.2
2-3 PM	840	0.0	1500	840	0	0.54	0	60.2	49.1	39.2
3-4 PM	930	0.0	1500	930	0	0.56	0	60.2	48.9	38.9
4-5 PM	910	0.0	1500	910	0	0.55	0	60.2	48.9	39.0
5-6 PM	928	0.0	1500	928	0	0.55	0	60.2	48.9	38.9
6-7 PM	667	0.0	1500	667	0	0.52	0	60.2	49.4	39.7
7-8 PM	525	0.0	1500	525	0	0.51	0	60.2	49.7	40.2
8-9 PM	347	0.0	1500	347	0	0.48	0	60.2	50.1	40.8
9-10 PM	274	0.0	1500	274	0	0.47	0	60.2	50.2	41.0
10-11 PM	210	0.0	1500	210	0	0.47	0	60.2	50.4	41.3
11PM-MID	86	0.0	1500	86	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	0.0042
MAIN ROUTE WITH WORKS	0.0054
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,463
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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