

USH 10: CTH K TO CTH B (PORTAGE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	54	0.0	1500	54	0	0.50	0	63.8	56.3	41.8
1-2 AM	27	0.0	1500	27	0	0.50	0	63.8	56.3	41.9
2-3 AM	28	0.0	1500	28	0	0.50	0	63.8	56.3	41.9
3-4 AM	42	0.0	1500	42	0	0.50	0	63.8	56.3	41.9
4-5 AM	64	0.0	1500	64	0	0.50	0	63.8	56.3	41.8
5-6 AM	140	0.0	1500	140	0	0.51	0	63.7	56.0	41.5
6-7 AM	293	0.0	1500	293	0	0.53	0	63.3	55.6	41.0
7-8 AM	438	0.0	1500	438	0	0.54	0	63.1	55.3	40.5
8-9 AM	393	0.0	1500	393	0	0.54	0	63.2	55.3	40.7
9-10 AM	390	0.0	1500	390	0	0.54	0	63.2	55.4	40.7
10-11 AM	379	0.0	1500	379	0	0.53	0	63.2	55.4	40.7
11AM-NOON	372	0.0	1500	372	0	0.53	0	63.2	55.4	40.7
NOON-1PM	368	0.0	1500	368	0	0.53	0	63.2	55.4	40.7
1-2 PM	356	0.0	1500	356	0	0.53	0	63.2	55.5	40.8
2-3 PM	372	0.0	1500	372	0	0.53	0	63.2	55.4	40.7
3-4 PM	392	0.0	1500	392	0	0.54	0	63.2	55.3	40.7
4-5 PM	393	0.0	1500	393	0	0.54	0	63.2	55.3	40.7
5-6 PM	371	0.0	1500	371	0	0.53	0	63.2	55.4	40.7
6-7 PM	280	0.0	1500	280	0	0.53	0	63.4	55.6	41.0
7-8 PM	222	0.0	1500	222	0	0.52	0	63.5	55.8	41.2
8-9 PM	188	0.0	1500	188	0	0.52	0	63.5	55.9	41.4
9-10 PM	140	0.0	1500	140	0	0.51	0	63.7	56.0	41.5
10-11 PM	103	0.0	1500	103	0	0.51	0	63.7	56.1	41.6
11PM-MID	72	0.0	1500	72	0	0.51	0	63.8	56.2	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	0.0039
MAIN ROUTE WITH WORKS	0.0045
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

ROAD USER COSTS PER DAY	\$631
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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NO DIVERSION ROUTE (MAX QUEUE METHOD)**

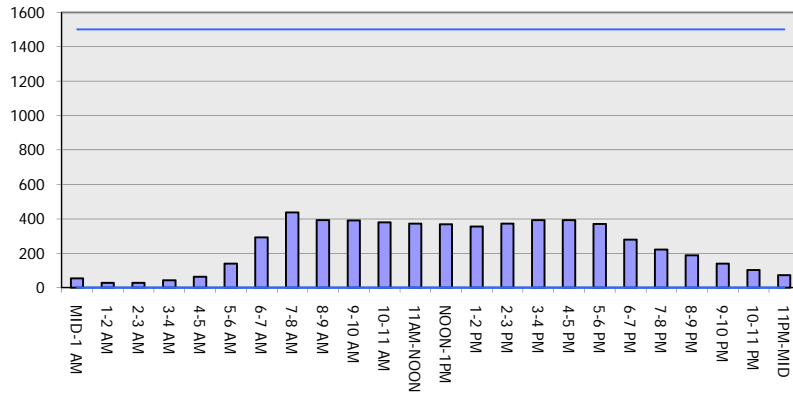
AUGUST

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Construction Season

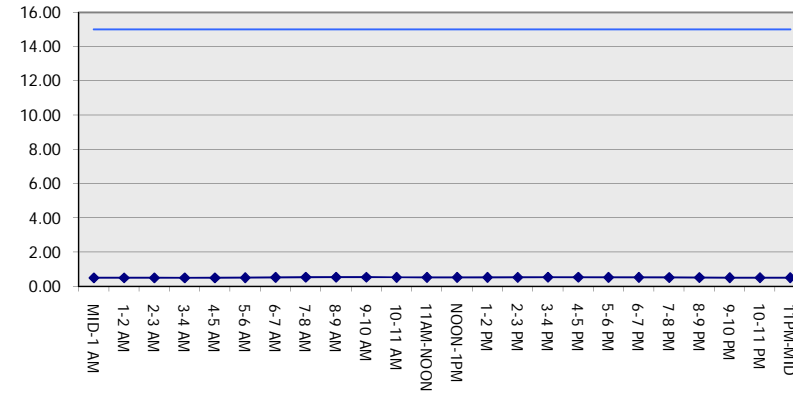
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR WESTBOUND DIRECTION

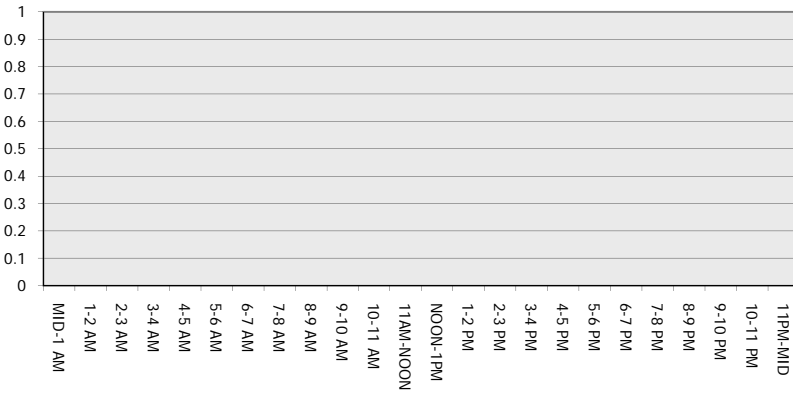
Main Route - Traffic Demand (Vehicles Per Hour)



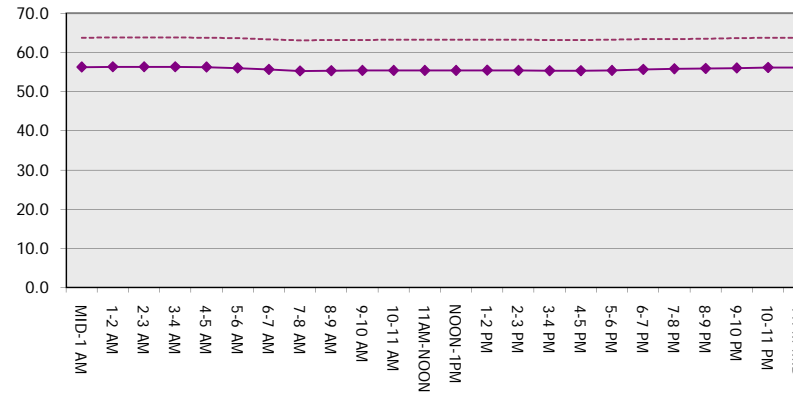
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	31	0.0	1500	31	0	0.50	0	63.8	56.3	41.9
1-2 AM	24	0.0	1500	24	0	0.50	0	63.8	56.3	41.9
2-3 AM	22	0.0	1500	22	0	0.50	0	63.8	56.3	41.9
3-4 AM	42	0.0	1500	42	0	0.50	0	63.8	56.3	41.9
4-5 AM	79	0.0	1500	79	0	0.51	0	63.8	56.2	41.7
5-6 AM	133	0.0	1500	133	0	0.51	0	63.7	56.1	41.5
6-7 AM	196	0.0	1500	196	0	0.52	0	63.5	55.9	41.3
7-8 AM	248	0.0	1500	248	0	0.52	0	63.5	55.8	41.1
8-9 AM	263	0.0	1500	263	0	0.52	0	63.4	55.7	41.1
9-10 AM	301	0.0	1500	301	0	0.53	0	63.3	55.6	40.9
10-11 AM	312	0.0	1500	312	0	0.53	0	63.3	55.6	40.9
11AM-NOON	321	0.0	1500	321	0	0.53	0	63.3	55.6	40.9
NOON-1PM	373	0.0	1500	373	0	0.53	0	63.2	55.4	40.7
1-2 PM	394	0.0	1500	394	0	0.54	0	63.2	55.3	40.6
2-3 PM	416	0.0	1500	416	0	0.54	0	63.2	55.3	40.6
3-4 PM	461	0.0	1500	461	0	0.54	0	63.0	55.2	40.4
4-5 PM	504	0.0	1500	504	0	0.55	0	63.0	55.1	40.3
5-6 PM	468	0.0	1500	468	0	0.54	0	63.0	55.1	40.4
6-7 PM	305	0.0	1500	305	0	0.53	0	63.3	55.6	40.9
7-8 PM	222	0.0	1500	222	0	0.52	0	63.5	55.8	41.2
8-9 PM	179	0.0	1500	179	0	0.52	0	63.6	56.0	41.4
9-10 PM	145	0.0	1500	145	0	0.51	0	63.7	56.0	41.5
10-11 PM	99	0.0	1500	99	0	0.51	0	63.7	56.1	41.7
11PM-MID	55	0.0	1500	55	0	0.50	0	63.8	56.3	41.8

----- 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	0.0037
MAIN ROUTE WITH WORKS	0.0043
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$601
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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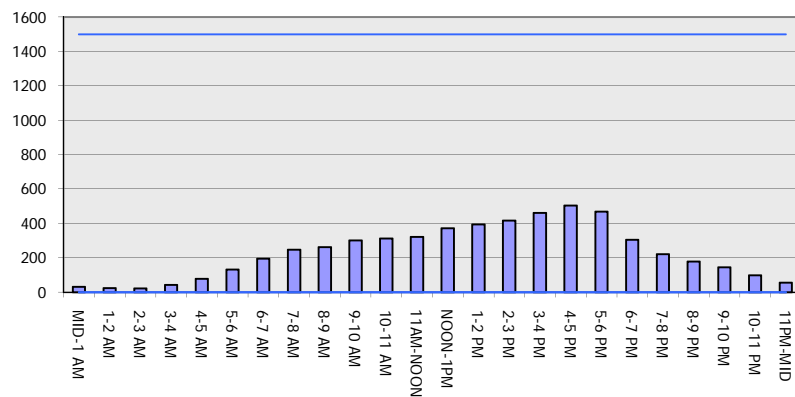
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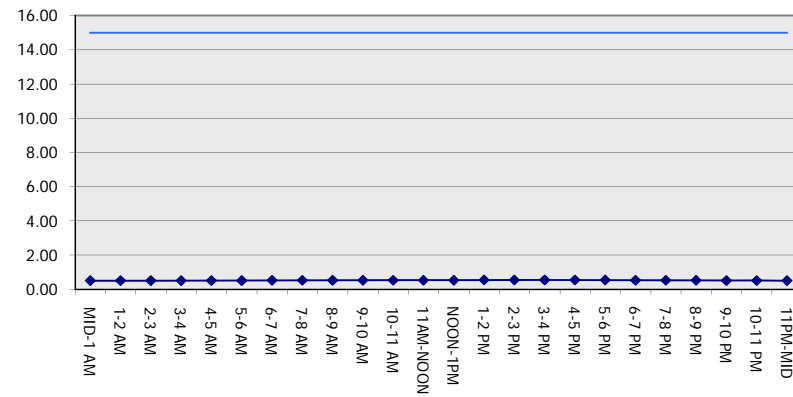
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR EASTBOUND DIRECTION

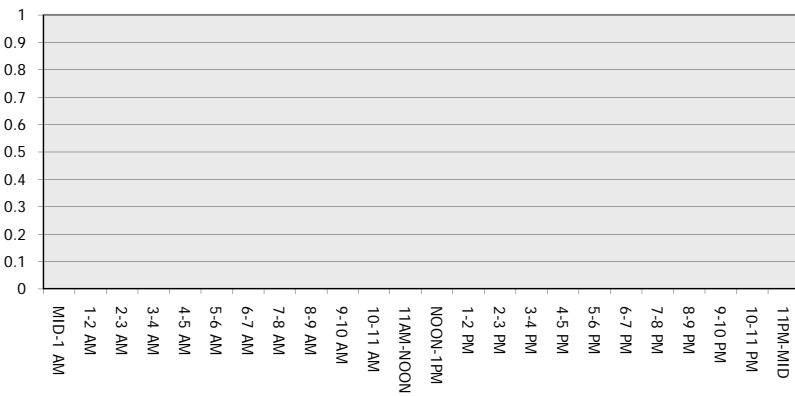
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

