

USH 10: CTH K TO CTH B (PORTAGE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	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	30	0.0	1500	30	0	0.50	0	63.8	56.3	41.9
1-2 AM	20	0.0	1500	20	0	0.50	0	63.8	56.3	41.9
2-3 AM	27	0.0	1500	27	0	0.50	0	63.8	56.3	41.9
3-4 AM	41	0.0	1500	41	0	0.50	0	63.8	56.3	41.9
4-5 AM	62	0.0	1500	62	0	0.50	0	63.8	56.3	41.8
5-6 AM	145	0.0	1500	145	0	0.51	0	63.7	56.0	41.5
6-7 AM	284	0.0	1500	284	0	0.53	0	63.3	55.6	41.0
7-8 AM	457	0.0	1500	457	0	0.54	0	63.0	55.2	40.4
8-9 AM	403	0.0	1500	403	0	0.54	0	63.2	55.3	40.6
9-10 AM	373	0.0	1500	373	0	0.53	0	63.2	55.4	40.7
10-11 AM	342	0.0	1500	342	0	0.53	0	63.3	55.5	40.8
11AM-NOON	317	0.0	1500	317	0	0.53	0	63.3	55.6	40.9
NOON-1PM	307	0.0	1500	307	0	0.53	0	63.3	55.6	40.9
1-2 PM	313	0.0	1500	313	0	0.53	0	63.3	55.6	40.9
2-3 PM	328	0.0	1500	328	0	0.53	0	63.3	55.5	40.9
3-4 PM	366	0.0	1500	366	0	0.53	0	63.2	55.5	40.7
4-5 PM	370	0.0	1500	370	0	0.53	0	63.2	55.4	40.7
5-6 PM	336	0.0	1500	336	0	0.53	0	63.3	55.5	40.9
6-7 PM	250	0.0	1500	250	0	0.52	0	63.5	55.8	41.1
7-8 PM	172	0.0	1500	172	0	0.52	0	63.6	56.0	41.4
8-9 PM	131	0.0	1500	131	0	0.51	0	63.7	56.1	41.5
9-10 PM	107	0.0	1500	107	0	0.51	0	63.7	56.1	41.6
10-11 PM	80	0.0	1500	80	0	0.51	0	63.8	56.2	41.7
11PM-MID	48	0.0	1500	48	0	0.50	0	63.8	56.3	41.9

----- 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	0.0035
MAIN ROUTE WITH WORKS	0.0041
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

ROAD USER COSTS PER DAY	\$565
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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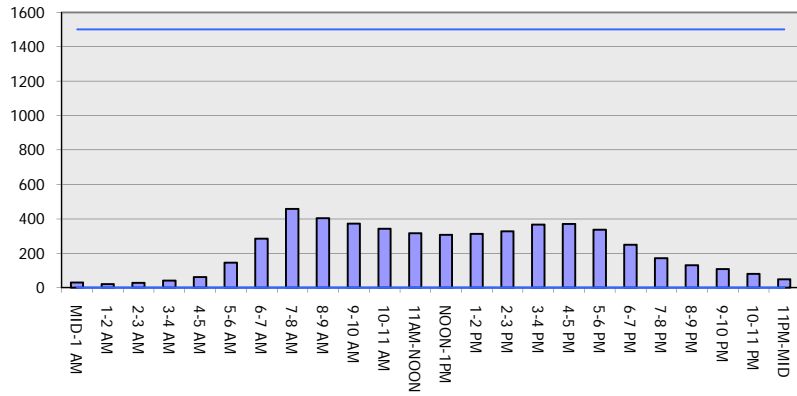
OCTOBER

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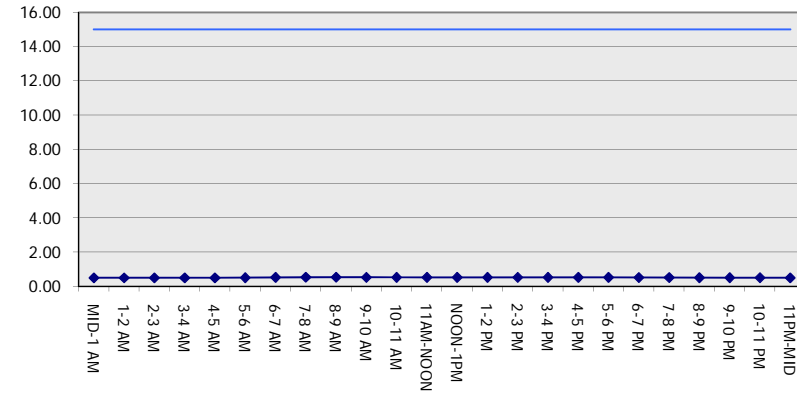
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR WESTBOUND DIRECTION

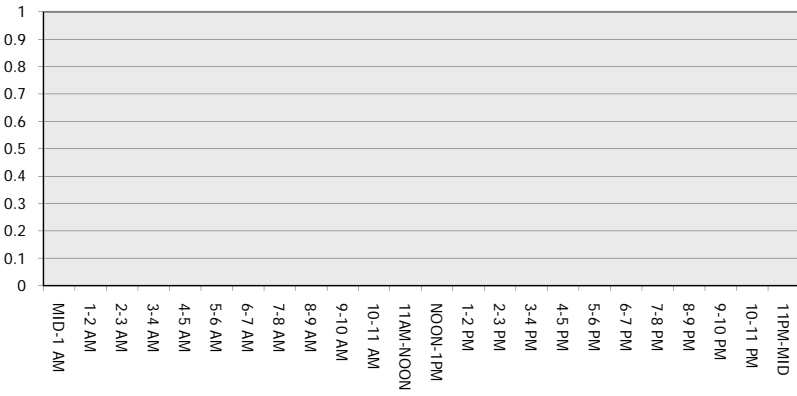
Main Route - Traffic Demand (Vehicles Per Hour)



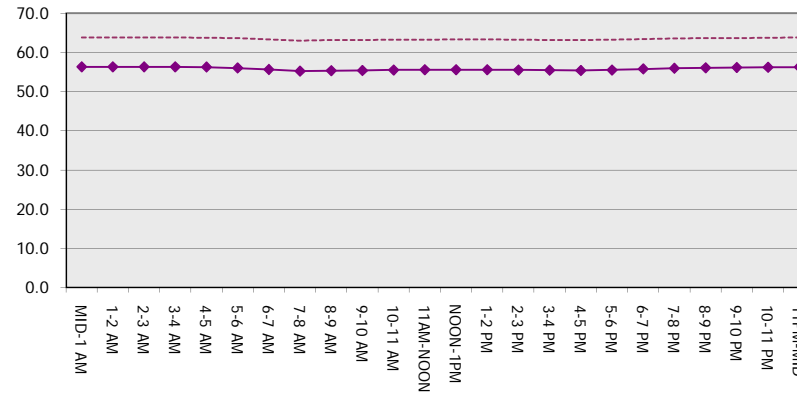
Main Route Average Delay Per Vehicle (Minutes)



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	24	0.0	1500	24	0	0.50	0	63.8	56.3	41.9
1-2 AM	22	0.0	1500	22	0	0.50	0	63.8	56.3	41.9
2-3 AM	21	0.0	1500	21	0	0.50	0	63.8	56.3	41.9
3-4 AM	32	0.0	1500	32	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	120	0.0	1500	120	0	0.51	0	63.7	56.1	41.6
6-7 AM	180	0.0	1500	180	0	0.52	0	63.6	56.0	41.4
7-8 AM	241	0.0	1500	241	0	0.52	0	63.5	55.8	41.2
8-9 AM	222	0.0	1500	222	0	0.52	0	63.5	55.8	41.2
9-10 AM	239	0.0	1500	239	0	0.52	0	63.5	55.8	41.2
10-11 AM	250	0.0	1500	250	0	0.52	0	63.5	55.8	41.1
11AM-NOON	267	0.0	1500	267	0	0.52	0	63.4	55.7	41.0
NOON-1PM	283	0.0	1500	283	0	0.53	0	63.4	55.6	41.0
1-2 PM	307	0.0	1500	307	0	0.53	0	63.3	55.6	40.9
2-3 PM	355	0.0	1500	355	0	0.53	0	63.2	55.5	40.8
3-4 PM	385	0.0	1500	385	0	0.54	0	63.2	55.4	40.7
4-5 PM	420	0.0	1500	420	0	0.54	0	63.1	55.3	40.6
5-6 PM	380	0.0	1500	380	0	0.53	0	63.2	55.4	40.7
6-7 PM	263	0.0	1500	263	0	0.52	0	63.4	55.7	41.1
7-8 PM	183	0.0	1500	183	0	0.52	0	63.6	55.9	41.4
8-9 PM	143	0.0	1500	143	0	0.51	0	63.7	56.0	41.5
9-10 PM	121	0.0	1500	121	0	0.51	0	63.7	56.1	41.5
10-11 PM	71	0.0	1500	71	0	0.51	0	63.8	56.2	41.7
11PM-MID	46	0.0	1500	46	0	0.50	0	63.8	56.3	41.9

----- 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	0.0031
MAIN ROUTE WITH WORKS	0.0036
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$491
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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

