

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

FRIDAY 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	44	0.0	1500	44	0	0.50	0	63.8	56.3	41.9
1-2 AM	31	0.0	1500	31	0	0.50	0	63.8	56.3	41.9
2-3 AM	33	0.0	1500	33	0	0.50	0	63.8	56.3	41.9
3-4 AM	49	0.0	1500	49	0	0.50	0	63.8	56.3	41.9
4-5 AM	61	0.0	1500	61	0	0.50	0	63.8	56.3	41.8
5-6 AM	129	0.0	1500	129	0	0.51	0	63.7	56.1	41.5
6-7 AM	271	0.0	1500	271	0	0.52	0	63.4	55.7	41.0
7-8 AM	441	0.0	1500	441	0	0.54	0	63.1	55.2	40.5
8-9 AM	408	0.0	1500	408	0	0.54	0	63.2	55.3	40.6
9-10 AM	440	0.0	1500	440	0	0.54	0	63.1	55.2	40.5
10-11 AM	439	0.0	1500	439	0	0.54	0	63.1	55.2	40.5
11AM-NOON	477	0.0	1500	477	0	0.54	0	63.0	55.1	40.4
NOON-1PM	493	0.0	1500	493	0	0.55	0	63.0	55.1	40.3
1-2 PM	522	0.0	1500	522	0	0.55	0	62.9	55.0	40.2
2-3 PM	573	0.0	1500	573	0	0.55	0	62.8	54.9	40.1
3-4 PM	625	0.0	1500	625	0	0.56	0	62.7	54.8	39.9
4-5 PM	698	0.0	1500	698	0	0.56	0	62.6	54.6	39.7
5-6 PM	691	0.0	1500	691	0	0.56	0	62.6	54.6	39.7
6-7 PM	588	0.0	1500	588	0	0.55	0	62.8	54.8	40.0
7-8 PM	450	0.0	1500	450	0	0.54	0	63.0	55.2	40.4
8-9 PM	325	0.0	1500	325	0	0.53	0	63.3	55.5	40.9
9-10 PM	231	0.0	1500	231	0	0.52	0	63.5	55.8	41.2
10-11 PM	138	0.0	1500	138	0	0.51	0	63.7	56.0	41.5
11PM-MID	80	0.0	1500	80	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	0.0054
MAIN ROUTE WITH WORKS	0.0063
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

ROAD USER COSTS PER DAY	\$939
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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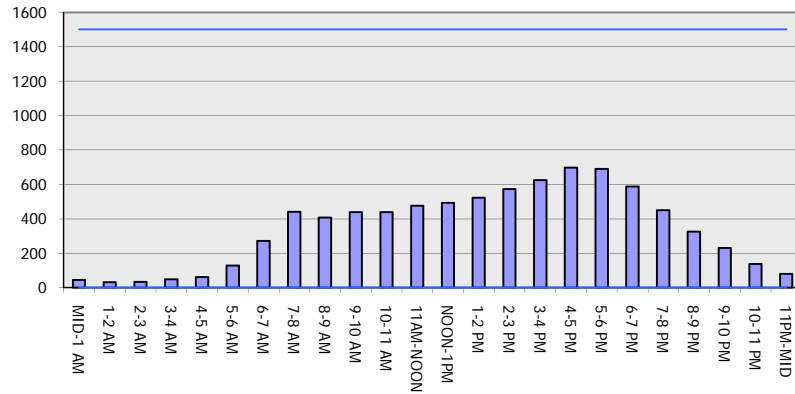
OCTOBER

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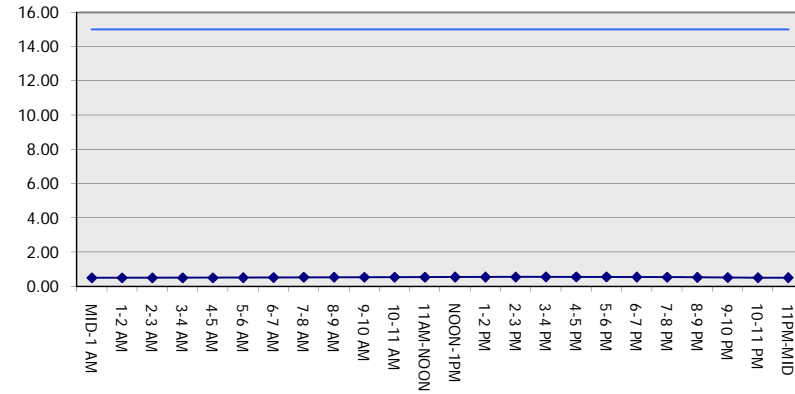
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION

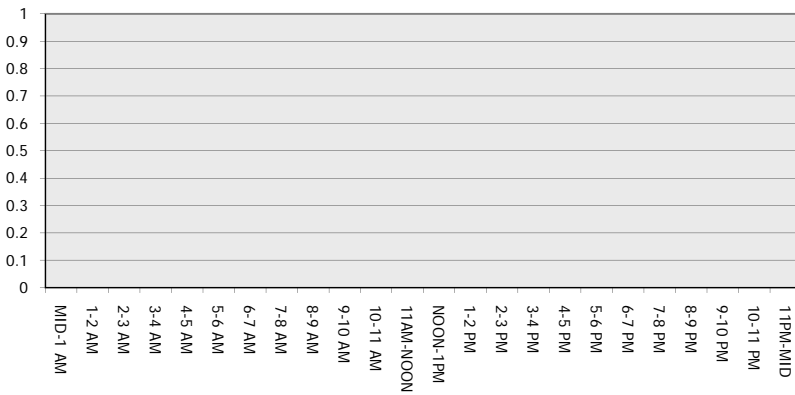
Main Route - Traffic Demand (Vehicles Per Hour)



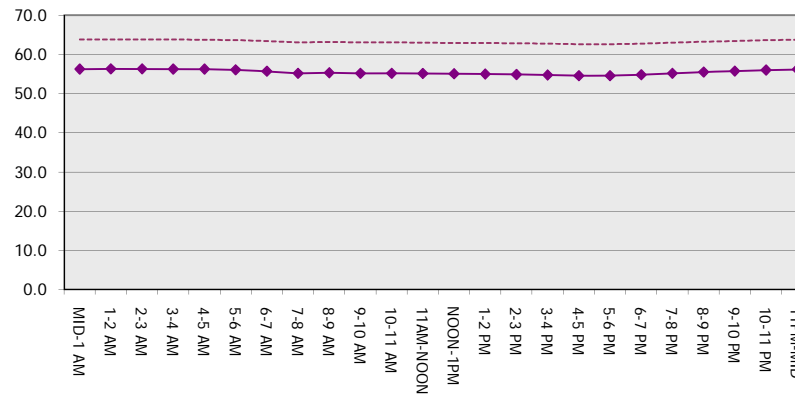
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	33	0.0	1500	33	0	0.50	0	63.8	56.3	41.9
1-2 AM	26	0.0	1500	26	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	28	0.0	1500	28	0	0.50	0	63.8	56.3	41.9
4-5 AM	47	0.0	1500	47	0	0.50	0	63.8	56.3	41.9
5-6 AM	90	0.0	1500	90	0	0.51	0	63.7	56.1	41.7
6-7 AM	147	0.0	1500	147	0	0.51	0	63.7	56.0	41.5
7-8 AM	216	0.0	1500	216	0	0.52	0	63.5	55.8	41.2
8-9 AM	217	0.0	1500	217	0	0.52	0	63.5	55.8	41.2
9-10 AM	272	0.0	1500	272	0	0.52	0	63.4	55.7	41.0
10-11 AM	309	0.0	1500	309	0	0.53	0	63.3	55.6	40.9
11AM-NOON	376	0.0	1500	376	0	0.53	0	63.2	55.4	40.7
NOON-1PM	412	0.0	1500	412	0	0.54	0	63.2	55.3	40.6
1-2 PM	495	0.0	1500	495	0	0.55	0	63.0	55.1	40.3
2-3 PM	530	0.0	1500	530	0	0.55	0	62.9	55.0	40.2
3-4 PM	552	0.0	1500	552	0	0.55	0	62.8	55.0	40.1
4-5 PM	568	0.0	1500	568	0	0.55	0	62.8	54.9	40.1
5-6 PM	505	0.0	1500	505	0	0.55	0	63.0	55.1	40.3
6-7 PM	380	0.0	1500	380	0	0.53	0	63.2	55.4	40.7
7-8 PM	260	0.0	1500	260	0	0.52	0	63.4	55.7	41.1
8-9 PM	203	0.0	1500	203	0	0.52	0	63.5	55.9	41.3
9-10 PM	159	0.0	1500	159	0	0.51	0	63.6	56.0	41.4
10-11 PM	103	0.0	1500	103	0	0.51	0	63.7	56.1	41.6
11PM-MID	64	0.0	1500	64	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	0.0040
MAIN ROUTE WITH WORKS	0.0046
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$674
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

