

USH 51: CTH U TO STH 29 W (MARATHON COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	120	0.0	1500	120	0	0.43	0	66.1	52.8	45.0	
1-2 AM	67	0.0	1500	67	0	0.43	0	66.3	53.0	45.2	
2-3 AM	56	0.0	1500	56	0	0.43	0	66.3	53.1	45.3	
3-4 AM	49	0.0	1500	49	0	0.43	0	66.3	53.1	45.3	
4-5 AM	57	0.0	1500	57	0	0.43	0	66.3	53.1	45.3	
5-6 AM	93	0.0	1500	93	0	0.43	0	66.2	53.0	45.1	
6-7 AM	162	0.0	1500	162	0	0.44	0	66.1	52.7	44.8	
7-8 AM	293	0.0	1500	293	0	0.45	0	65.8	52.2	44.3	
8-9 AM	513	0.0	1500	513	0	0.47	0	65.5	51.5	43.5	
9-10 AM	765	0.0	1500	765	0	0.50	0	65.0	50.6	42.5	
10-11 AM	1140	0.0	1499	1140	0	0.59	0	64.3	48.1	39.6	
11AM-NOON	1450	0.0	1499	1450	0	1.01	1	63.7	40.8	32.0	
NOON-1PM	1640	0.0	1500	1640	0	3.18	67	63.3	22.9	30.8	
1-2 PM	1741	0.0	1500	1741	0	10.48	263	63.2	10.8	30.8	
2-3 PM	1731	0.0	1499	1527	205	16.84+	427	63.2	8.6	30.8	
3-4 PM	1653	0.0	1500	1503	150	16.95+	429	63.3	8.6	30.8	
4-5 PM	1485	0.0	1500	1482	4	16.60+	420	63.6	8.6	30.8	
5-6 PM	1231	0.0	1499	1231	0	10.94	279	64.1	10.7	31.6	
6-7 PM	980	0.0	1500	980	0	0.88	18	64.6	43.0	41.4	
7-8 PM	741	0.0	1500	741	0	0.49	0	65.0	50.7	42.6	
8-9 PM	514	0.0	1500	514	0	0.47	0	65.5	51.5	43.5	
9-10 PM	362	0.0	1500	362	0	0.46	0	65.7	52.0	44.0	
10-11 PM	229	0.0	1500	229	0	0.44	0	66.0	52.5	44.6	
11PM-MID	119	0.0	1500	119	0	0.43	0	66.1	52.8	45.0	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- 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

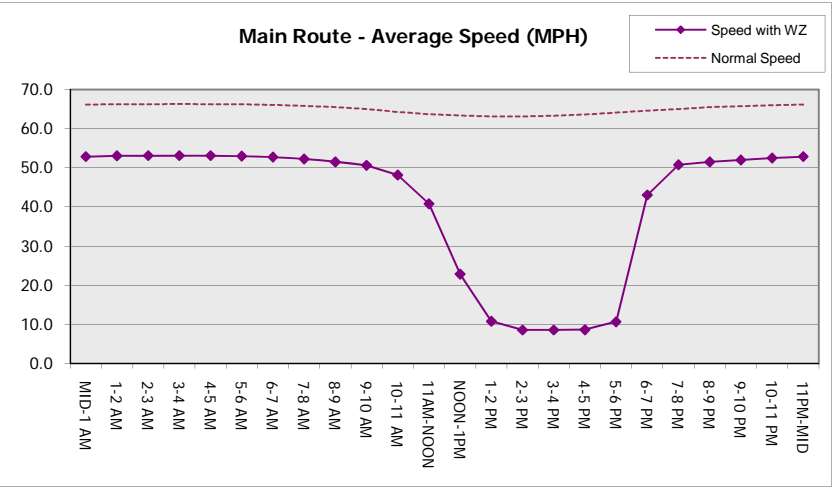
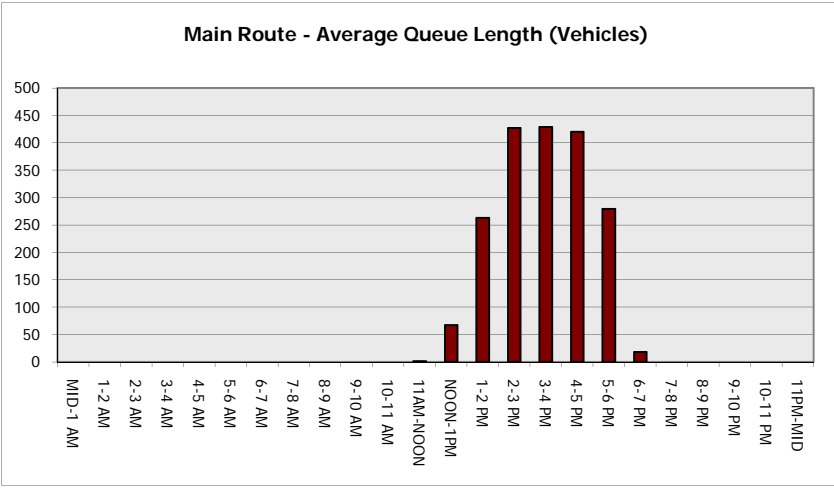
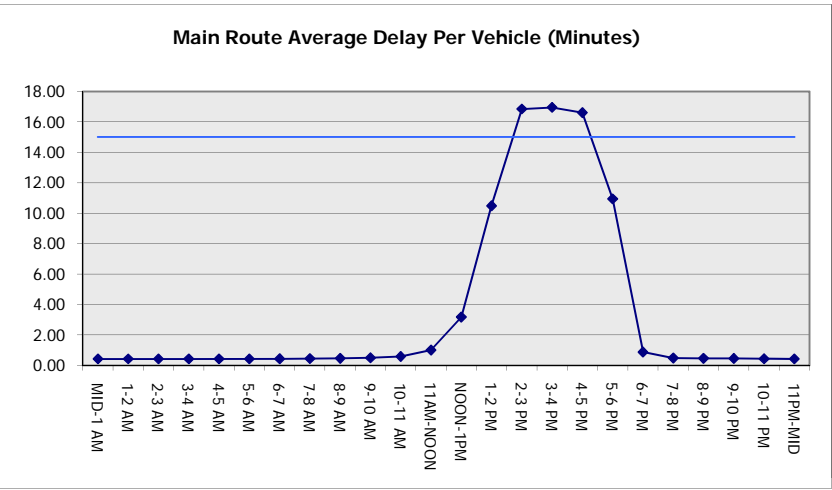
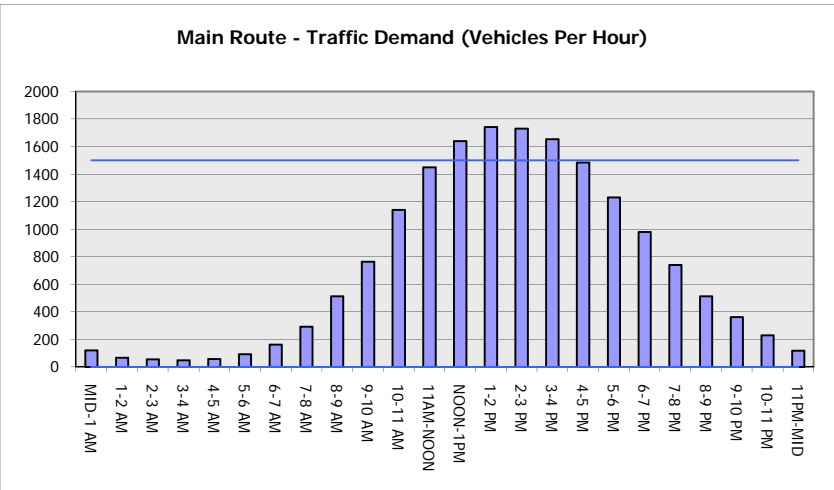
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0052
MAIN ROUTE WITH WORKS	0.0040
'DIVERSION'	0.0003
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$34,952
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

**USH 51: CTH U TO STH 29 W (MARATHON COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



USH 51: CTH U TO STH 29 W (MARATHON COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

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	116	0.0	1500	116	0	0.43	0	66.2	52.8	45.0
1-2 AM	69	0.0	1500	69	0	0.43	0	66.3	53.0	45.2
2-3 AM	61	0.0	1500	61	0	0.43	0	66.3	53.0	45.3
3-4 AM	44	0.0	1500	44	0	0.43	0	66.3	53.1	45.3
4-5 AM	43	0.0	1500	43	0	0.43	0	66.3	53.1	45.3
5-6 AM	71	0.0	1500	71	0	0.43	0	66.3	53.0	45.2
6-7 AM	140	0.0	1500	140	0	0.44	0	66.1	52.8	44.9
7-8 AM	191	0.0	1500	191	0	0.44	0	66.0	52.6	44.7
8-9 AM	315	0.0	1500	315	0	0.45	0	65.8	52.2	44.2
9-10 AM	486	0.0	1500	486	0	0.47	0	65.5	51.5	43.5
10-11 AM	672	0.0	1500	672	0	0.49	0	65.1	50.9	42.8
11AM-NOON	865	0.0	1500	865	0	0.51	0	64.8	50.3	42.2
NOON-1PM	977	0.0	1500	977	0	0.52	0	64.6	49.9	41.7
1-2 PM	983	0.0	1500	983	0	0.52	0	64.6	49.9	41.7
2-3 PM	1020	0.0	1500	1020	0	0.52	0	64.5	49.8	41.6
3-4 PM	971	0.0	1500	971	0	0.52	0	64.6	50.0	41.8
4-5 PM	877	0.0	1500	877	0	0.51	0	64.8	50.2	42.1
5-6 PM	792	0.0	1500	792	0	0.50	0	64.9	50.5	42.4
6-7 PM	689	0.0	1500	689	0	0.49	0	65.1	50.9	42.8
7-8 PM	554	0.0	1500	554	0	0.48	0	65.3	51.4	43.3
8-9 PM	446	0.0	1500	446	0	0.47	0	65.6	51.7	43.7
9-10 PM	336	0.0	1500	336	0	0.46	0	65.8	52.1	44.2
10-11 PM	237	0.0	1500	237	0	0.45	0	66.0	52.4	44.5
11PM-MID	143	0.0	1500	143	0	0.44	0	66.1	52.8	44.9

----- 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	0.0034
MAIN ROUTE WITH WORKS	0.0026
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,553
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

**USH 51: CTH U TO STH 29 W (MARATHON COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

