

<b>USH 53: USH 8 TO CTH I (BARRON COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: CTH I - CTH SS - USH 8</b>	<b>OCTOBER</b>
	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		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	43	0.0	77	0.0	1500	43	0	77	0.43	0	66.3	62.7	45.3	38.8	38.8
1-2 AM	35	0.0	64	0.0	1500	35	0	64	0.43	0	66.3	62.8	45.3	38.9	38.9
2-3 AM	29	0.0	53	0.0	1500	29	0	53	0.43	0	66.3	62.8	45.4	38.9	38.9
3-4 AM	22	0.0	40	0.0	1500	22	0	40	0.42	0	66.3	62.8	45.4	38.9	38.9
4-5 AM	22	0.0	40	0.0	1500	22	0	40	0.42	0	66.3	62.8	45.4	38.9	38.9
5-6 AM	31	0.0	58	0.0	1500	31	0	58	0.43	0	66.3	62.8	45.4	38.9	38.9
6-7 AM	56	0.0	101	0.0	1500	56	0	101	0.43	0	66.3	62.7	45.3	38.7	38.7
7-8 AM	91	0.0	166	0.0	1500	91	0	166	0.43	0	66.2	62.6	45.1	38.4	38.4
8-9 AM	175	0.0	320	0.0	1500	175	0	320	0.44	0	66.1	62.4	44.8	37.8	37.8
9-10 AM	307	0.0	561	0.0	1500	307	0	561	0.45	0	65.8	62.1	44.3	35.0	35.0
10-11 AM	471	0.0	858	0.0	1500	471	0	858+	0.47	0	65.5	61.7	43.6	28.1	28.1
11A-NOON	556	0.0	1012	0.0	1500	556	0	1012+	0.48	0	65.3	61.5	43.3	21.6	21.6
NOON-1PM	584	0.0	1066	0.0	1500	584	0	1066+	0.48	0	65.3	61.4	43.2	19.4	19.4
1-2 PM	601	0.0	1096	0.0	1500	601	0	1096+	0.48	0	65.3	61.4	43.1	19.3	19.3
2-3 PM	562	0.0	1025	0.0	1500	562	0	1025+	0.48	0	65.3	61.5	43.3	21.1	21.1
3-4 PM	554	0.0	1009	0.0	1500	554	0	1009+	0.48	0	65.3	61.5	43.3	21.7	21.7
4-5 PM	508	0.0	926	0.0	1500	508	0	926+	0.47	0	65.5	61.6	43.5	25.2	25.2
5-6 PM	411	0.0	749	0.0	1500	411	0	749	0.46	0	65.6	61.9	43.8	31.4	31.4
6-7 PM	313	0.0	571	0.0	1500	313	0	571	0.45	0	65.8	62.1	44.2	34.8	34.8
7-8 PM	236	0.0	430	0.0	1500	236	0	430	0.45	0	66.0	62.3	44.5	37.3	37.3
8-9 PM	167	0.0	306	0.0	1500	167	0	306	0.44	0	66.1	62.4	44.8	37.8	37.8
9-10 PM	118	0.0	213	0.0	1500	118	0	213	0.43	0	66.1	62.5	45.0	38.3	38.3
10-11 PM	58	0.0	105	0.0	1500	58	0	105	0.43	0	66.3	62.7	45.3	38.7	38.7
11PM-MID	41	0.0	73	0.0	1500	41	0	73	0.43	0	66.3	62.7	45.3	38.8	38.8

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0079
MAIN ROUTE WITH WORKS	0.0075
DIVERSION	0.1526

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$714
CONGESTED HOURS PER DAY*	0

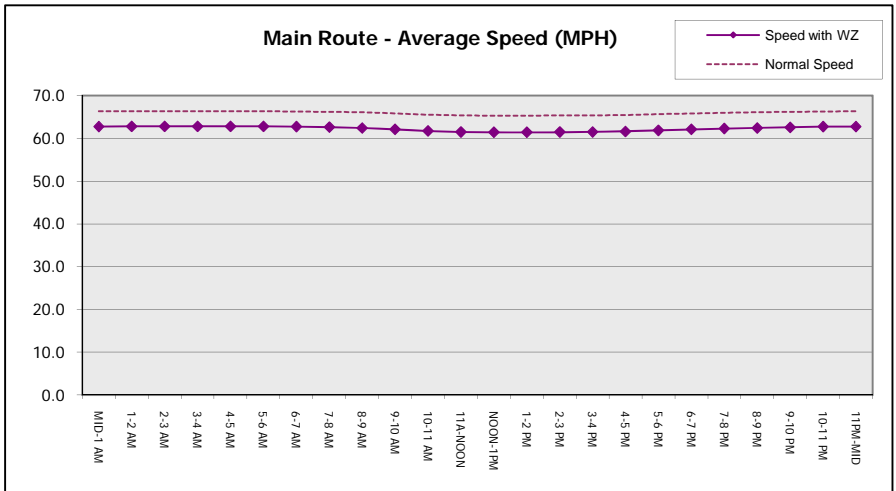
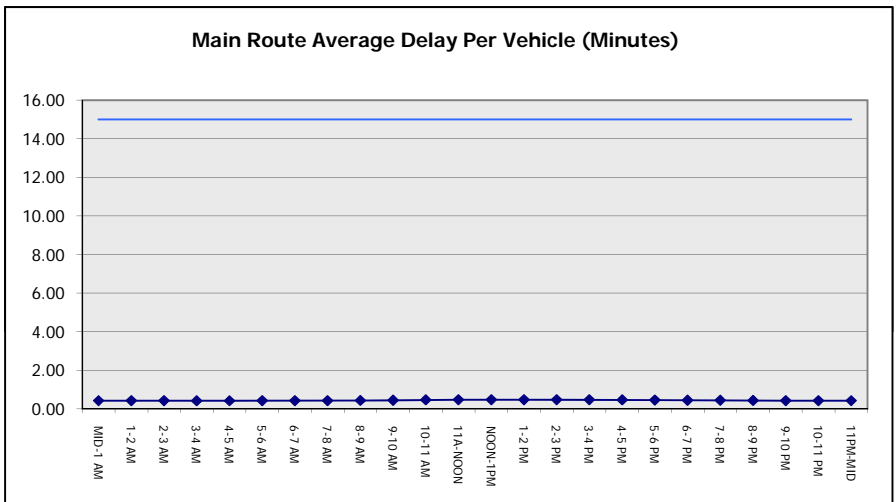
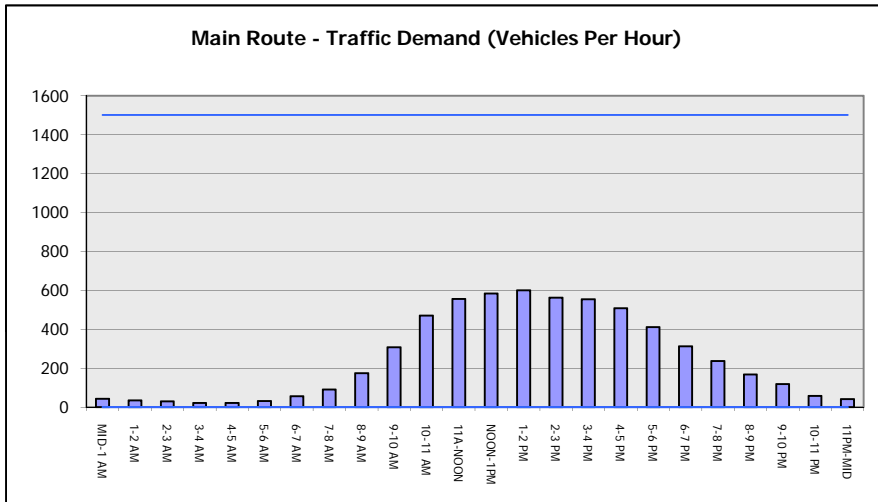
\*Delays Exceeding 15 Minutes

**USH 53: USH 8 TO CTH I (BARRON COUNTY)**  
**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: CTH I - CTH SS - USH 8**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SUNDAY      SOUTHBOUND DIRECTION**



<b>USH 53: USH 8 TO CTH I (BARRON COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: CTH I - CTH SS - USH 8</b>	<b>OCTOBER</b>
	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		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	31	0.0	58	0.0	1500	31	0	58	0.43	0	66.3	62.8	45.4	38.9	38.9
1-2 AM	21	0.0	39	0.0	1500	21	0	39	0.42	0	66.3	62.8	45.4	38.9	38.9
2-3 AM	17	0.0	32	0.0	1500	17	0	32	0.42	0	66.3	62.8	45.5	39.0	39.0
3-4 AM	12	0.0	23	0.0	1500	12	0	23	0.42	0	66.4	62.8	45.5	39.0	39.0
4-5 AM	15	0.0	28	0.0	1500	15	0	28	0.42	0	66.4	62.8	45.5	39.0	39.0
5-6 AM	21	0.0	38	0.0	1500	21	0	38	0.42	0	66.3	62.8	45.4	38.9	38.9
6-7 AM	30	0.0	56	0.0	1500	30	0	56	0.43	0	66.3	62.8	45.4	38.9	38.9
7-8 AM	54	0.0	98	0.0	1500	54	0	98	0.43	0	66.3	62.7	45.3	38.7	38.7
8-9 AM	99	0.0	181	0.0	1500	99	0	181	0.43	0	66.2	62.6	45.1	38.4	38.4
9-10 AM	143	0.0	261	0.0	1500	143	0	261	0.44	0	66.1	62.5	44.9	38.0	38.0
10-11 AM	210	0.0	383	0.0	1500	210	0	383	0.44	0	66.0	62.3	44.6	37.5	37.5
11A-NOON	255	0.0	464	0.0	1500	255	0	464	0.45	0	65.9	62.2	44.5	36.9	36.9
NOON-1PM	280	0.0	510	0.0	1500	280	0	510	0.45	0	65.9	62.2	44.3	36.0	36.0
1-2 PM	318	0.0	580	0.0	1500	318	0	580	0.45	0	65.8	62.1	44.2	34.7	34.7
2-3 PM	347	0.0	632	0.0	1500	347	0	632	0.46	0	65.8	62.0	44.1	33.7	33.7
3-4 PM	356	0.0	649	0.0	1500	356	0	649	0.46	0	65.7	62.0	44.1	33.3	33.3
4-5 PM	368	0.0	672	0.0	1500	368	0	672	0.46	0	65.7	62.0	44.0	32.9	32.9
5-6 PM	329	0.0	599	0.0	1500	329	0	599	0.45	0	65.8	62.0	44.2	34.3	34.3
6-7 PM	262	0.0	477	0.0	1500	262	0	477	0.45	0	65.9	62.2	44.5	36.6	36.6
7-8 PM	231	0.0	422	0.0	1500	231	0	422	0.44	0	66.0	62.3	44.6	37.4	37.4
8-9 PM	164	0.0	300	0.0	1500	164	0	300	0.44	0	66.1	62.5	44.8	37.9	37.9
9-10 PM	122	0.0	222	0.0	1500	122	0	222	0.43	0	66.1	62.5	45.0	38.2	38.2
10-11 PM	75	0.0	137	0.0	1500	75	0	137	0.43	0	66.3	62.7	45.2	38.6	38.6
11PM-MID	50	0.0	91	0.0	1500	50	0	91	0.43	0	66.3	62.7	45.3	38.8	38.8

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0050
MAIN ROUTE WITH WORKS	0.0048
DIVERSION	0.0971

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$437
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 53: USH 8 TO CTH I (BARRON COUNTY)  
 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: CTH I - CTH SS - USH 8**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY NORTHBOUND DIRECTION**

