

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

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	37	0.0	67	0.0	1500	37	0	67	0.43	0	66.3	62.8	45.3	38.8	38.8
1-2 AM	28	0.0	53	0.0	1500	28	0	53	0.43	0	66.3	62.8	45.4	38.9	38.9
2-3 AM	21	0.0	39	0.0	1500	21	0	39	0.42	0	66.3	62.8	45.4	38.9	38.9
3-4 AM	22	0.0	41	0.0	1500	22	0	41	0.42	0	66.3	62.8	45.4	38.9	38.9
4-5 AM	38	0.0	68	0.0	1500	38	0	68	0.43	0	66.3	62.8	45.3	38.8	38.8
5-6 AM	81	0.0	147	0.0	1500	81	0	147	0.43	0	66.3	62.7	45.1	38.5	38.5
6-7 AM	155	0.0	282	0.0	1500	155	0	282	0.44	0	66.1	62.5	44.8	37.9	37.9
7-8 AM	215	0.0	391	0.0	1500	215	0	391	0.44	0	66.0	62.3	44.6	37.5	37.5
8-9 AM	241	0.0	441	0.0	1500	241	0	441	0.45	0	66.0	62.3	44.5	37.3	37.3
9-10 AM	286	0.0	521	0.0	1500	286	0	521	0.45	0	65.8	62.2	44.3	35.8	35.8
10-11 AM	340	0.0	620	0.0	1500	340	0	620	0.46	0	65.8	62.0	44.2	33.9	33.9
11A-NOON	371	0.0	677	0.0	1500	371	0	677	0.46	0	65.7	62.0	44.0	32.8	32.8
NOON-1PM	384	0.0	700	0.0	1500	384	0	700	0.46	0	65.6	61.9	44.0	32.4	32.4
1-2 PM	407	0.0	741	0.0	1500	407	0	741	0.46	0	65.6	61.9	43.8	31.5	31.5
2-3 PM	438	0.0	800	0.0	1500	438	0	800	0.46	0	65.6	61.8	43.7	30.4	30.4
3-4 PM	450	0.0	820	0.0	1500	450	0	820+	0.47	0	65.5	61.7	43.7	29.6	29.6
4-5 PM	465	0.0	847	0.0	1500	465	0	847+	0.47	0	65.5	61.7	43.7	28.5	28.5
5-6 PM	414	0.0	755	0.0	1500	414	0	755	0.46	0	65.6	61.9	43.8	31.3	31.3
6-7 PM	288	0.0	525	0.0	1500	288	0	525	0.45	0	65.8	62.2	44.3	35.7	35.7
7-8 PM	192	0.0	349	0.0	1500	192	0	349	0.44	0	66.0	62.3	44.7	37.6	37.6
8-9 PM	152	0.0	277	0.0	1500	152	0	277	0.44	0	66.1	62.5	44.9	37.9	37.9
9-10 PM	131	0.0	238	0.0	1500	131	0	238	0.44	0	66.1	62.5	45.0	38.1	38.1
10-11 PM	108	0.0	197	0.0	1500	108	0	197	0.43	0	66.2	62.6	45.1	38.3	38.3
11PM-MID	76	0.0	139	0.0	1500	76	0	139	0.43	0	66.3	62.7	45.2	38.6	38.6

+ 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	0.0071
MAIN ROUTE WITH WORKS	0.0067
DIVERSION	0.1360

PIA: Personal Injury Accidents

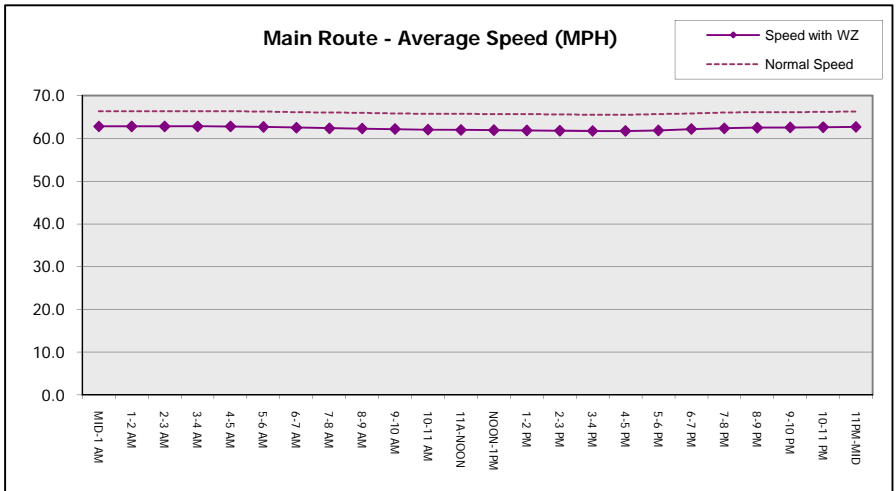
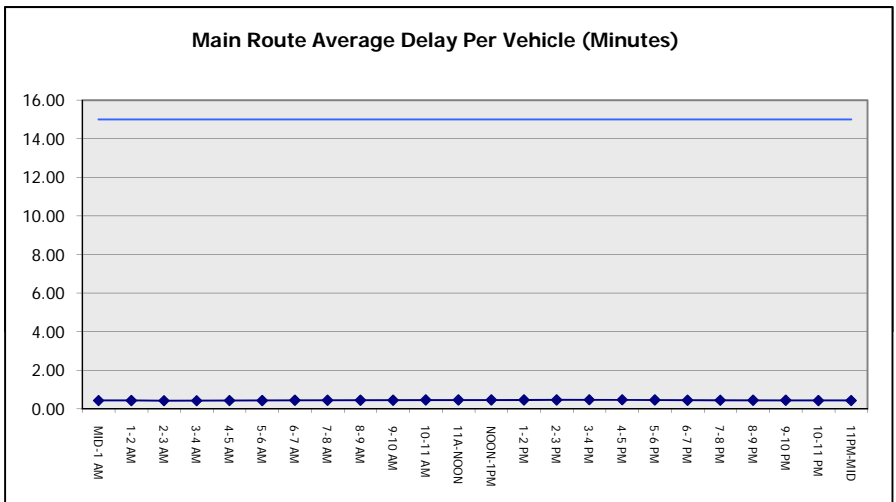
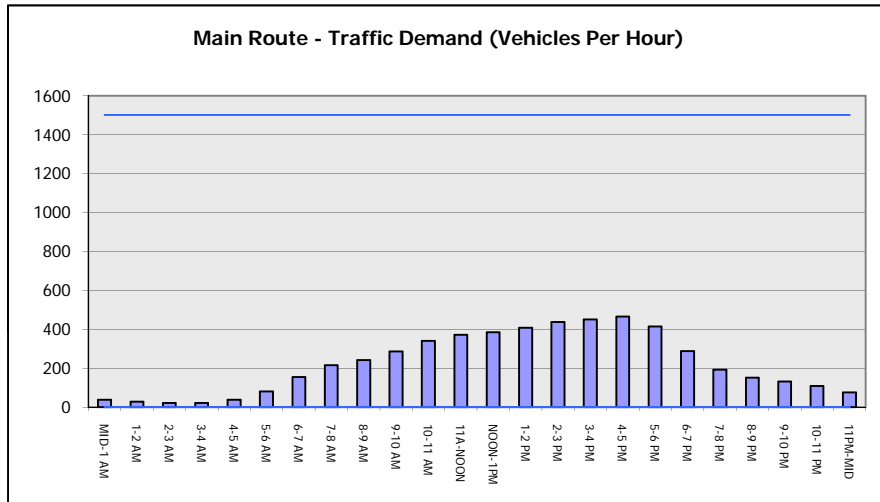
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$498
CONGESTED HOURS PER DAY*	0

*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
FRIDAY SOUTHBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	40	0.0	71	0.0	1500	40	0	71	0.43	0	66.3	62.7	45.3	38.8	38.8
1-2 AM	29	0.0	55	0.0	1500	29	0	55	0.43	0	66.3	62.8	45.4	38.9	38.9
2-3 AM	26	0.0	48	0.0	1500	26	0	48	0.42	0	66.3	62.8	45.4	38.9	38.9
3-4 AM	30	0.0	55	0.0	1500	30	0	55	0.43	0	66.3	62.8	45.4	38.9	38.9
4-5 AM	44	0.0	80	0.0	1500	44	0	80	0.43	0	66.3	62.7	45.3	38.8	38.8
5-6 AM	98	0.0	180	0.0	1500	98	0	180	0.43	0	66.2	62.6	45.1	38.4	38.4
6-7 AM	184	0.0	335	0.0	1500	184	0	335	0.44	0	66.0	62.4	44.8	37.7	37.7
7-8 AM	291	0.0	530	0.0	1500	291	0	530	0.45	0	65.8	62.2	44.3	35.6	35.6
8-9 AM	307	0.0	561	0.0	1500	307	0	561	0.45	0	65.8	62.1	44.3	35.0	35.0
9-10 AM	333	0.0	606	0.0	1500	333	0	606	0.45	0	65.8	62.0	44.2	34.2	34.2
10-11 AM	341	0.0	621	0.0	1500	341	0	621	0.46	0	65.8	62.0	44.2	33.9	33.9
11A-NOON	359	0.0	655	0.0	1500	359	0	655	0.46	0	65.7	62.0	44.0	33.2	33.2
NOON-1PM	411	0.0	749	0.0	1500	411	0	749	0.46	0	65.6	61.9	43.8	31.4	31.4
1-2 PM	433	0.0	790	0.0	1500	433	0	790	0.46	0	65.6	61.8	43.8	30.7	30.7
2-3 PM	491	0.0	895	0.0	1500	491	0	895+	0.47	0	65.5	61.7	43.5	26.5	26.5
3-4 PM	503	0.0	917	0.0	1500	503	0	917+	0.47	0	65.5	61.6	43.5	25.6	25.6
4-5 PM	569	0.0	1037	0.0	1500	569	0	1037+	0.48	0	65.3	61.5	43.2	20.6	20.6
5-6 PM	580	0.0	1058	0.0	1500	580	0	1058+	0.48	0	65.3	61.4	43.2	19.7	19.7
6-7 PM	479	0.0	872	0.0	1500	479	0	872+	0.47	0	65.5	61.7	43.6	27.4	27.4
7-8 PM	359	0.0	654	0.0	1500	359	0	654	0.46	0	65.7	62.0	44.0	33.3	33.3
8-9 PM	286	0.0	521	0.0	1500	286	0	521	0.45	0	65.8	62.2	44.3	35.8	35.8
9-10 PM	229	0.0	418	0.0	1500	229	0	418	0.44	0	66.0	62.3	44.6	37.4	37.4
10-11 PM	173	0.0	315	0.0	1500	173	0	315	0.44	0	66.1	62.4	44.8	37.8	37.8
11PM-MID	90	0.0	164	0.0	1500	90	0	164	0.43	0	66.2	62.6	45.1	38.4	38.4

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0088
MAIN ROUTE WITH WORKS	0.0084
DIVERSION	0.1703

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$632
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
FRIDAY NORTHBOUND DIRECTION

