

USH 53: USH 8 TO CTH I (BARRON COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH I - CTH SS - USH 8	AUGUST
	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	45	0.0	82	0.0	1500	45	0	82	0.43	0	66.3	62.7	45.3	38.8	38.8
1-2 AM	31	0.0	57	0.0	1500	31	0	57	0.43	0	66.3	62.8	45.4	38.9	38.9
2-3 AM	29	0.0	55	0.0	1500	29	0	55	0.43	0	66.3	62.8	45.4	38.9	38.9
3-4 AM	26	0.0	47	0.0	1500	26	0	47	0.42	0	66.3	62.8	45.4	38.9	38.9
4-5 AM	40	0.0	71	0.0	1500	40	0	71	0.43	0	66.3	62.7	45.3	38.8	38.8
5-6 AM	82	0.0	150	0.0	1500	82	0	150	0.43	0	66.3	62.7	45.1	38.5	38.5
6-7 AM	166	0.0	304	0.0	1500	166	0	304	0.44	0	66.1	62.4	44.8	37.9	37.9
7-8 AM	222	0.0	405	0.0	1500	222	0	405	0.44	0	66.0	62.3	44.6	37.4	37.4
8-9 AM	283	0.0	515	0.0	1500	283	0	515	0.45	0	65.9	62.2	44.3	35.9	35.9
9-10 AM	366	0.0	668	0.0	1500	366	0	668	0.46	0	65.7	62.0	44.0	33.0	33.0
10-11 AM	457	0.0	835	0.0	1500	457	0	835+	0.47	0	65.5	61.7	43.7	29.0	29.0
11A-NOON	478	0.0	872	0.0	1500	478	0	872+	0.47	0	65.5	61.7	43.6	27.4	27.4
NOON-1PM	457	0.0	833	0.0	1500	457	0	833+	0.47	0	65.5	61.7	43.7	29.1	29.1
1-2 PM	494	0.0	901	0.0	1500	494	0	901+	0.47	0	65.5	61.7	43.5	26.3	26.3
2-3 PM	536	0.0	977	0.0	1500	536	0	977+	0.47	0	65.4	61.5	43.3	23.0	23.0
3-4 PM	543	0.0	989	0.0	1500	543	0	989+	0.48	0	65.4	61.5	43.3	22.5	22.5
4-5 PM	544	0.0	991	0.0	1500	544	0	991+	0.48	0	65.4	61.5	43.3	22.5	22.5
5-6 PM	463	0.0	843	0.0	1500	463	0	843+	0.47	0	65.5	61.7	43.7	28.7	28.7
6-7 PM	344	0.0	627	0.0	1500	344	0	627	0.46	0	65.8	62.0	44.1	33.8	33.8
7-8 PM	266	0.0	485	0.0	1500	266	0	485	0.45	0	65.9	62.2	44.4	36.5	36.5
8-9 PM	204	0.0	373	0.0	1500	204	0	373	0.44	0	66.0	62.3	44.6	37.6	37.6
9-10 PM	167	0.0	305	0.0	1500	167	0	305	0.44	0	66.1	62.4	44.8	37.8	37.8
10-11 PM	119	0.0	215	0.0	1500	119	0	215	0.43	0	66.1	62.5	45.0	38.2	38.2
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	0.0085
MAIN ROUTE WITH WORKS	0.0081
DIVERSION	0.1643

PIA: Personal Injury Accidents

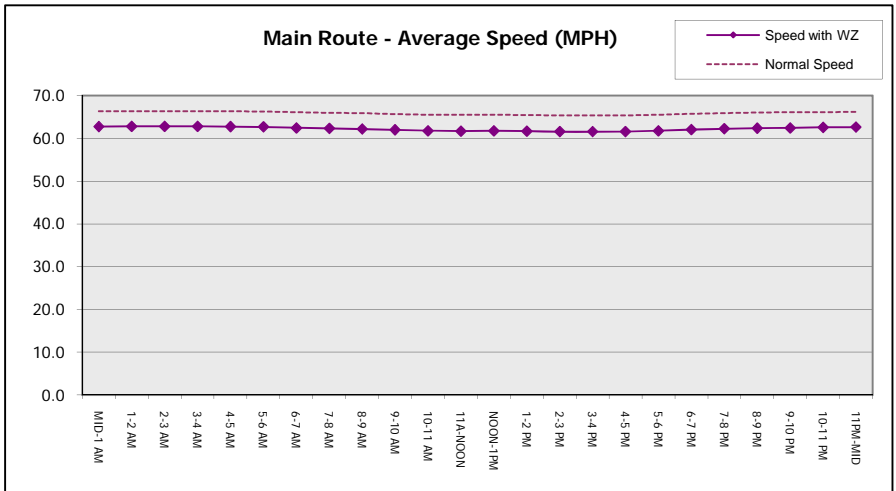
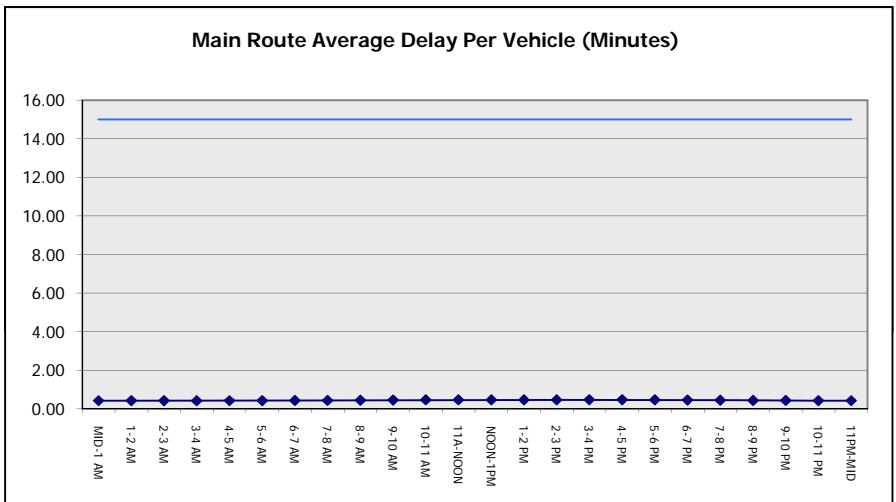
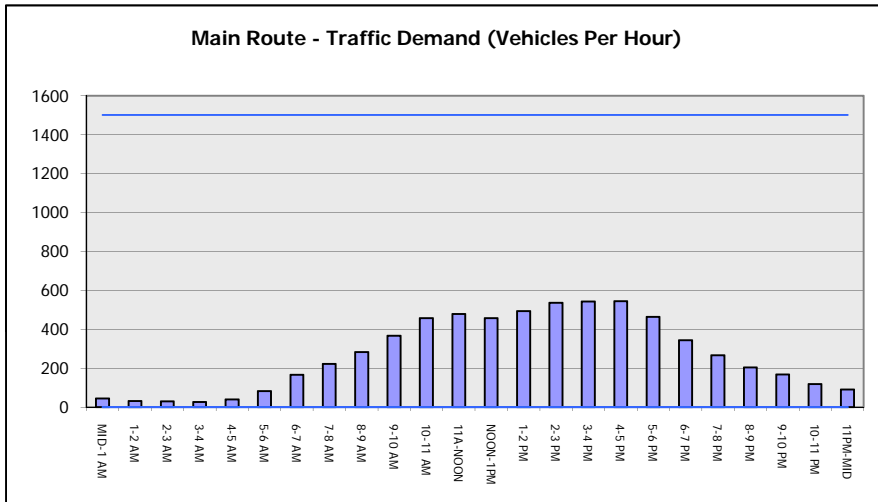
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$617
CONGESTED HOURS PER DAY*	0

*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

AUGUST
 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	AUGUST
	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	61	0.0	111	0.0	1500	61	0	111	0.43	0	66.3	62.7	45.3	38.7	38.7
1-2 AM	44	0.0	80	0.0	1500	44	0	80	0.43	0	66.3	62.7	45.3	38.8	38.8
2-3 AM	36	0.0	66	0.0	1500	36	0	66	0.43	0	66.3	62.8	45.3	38.9	38.9
3-4 AM	38	0.0	68	0.0	1500	38	0	68	0.43	0	66.3	62.8	45.3	38.8	38.8
4-5 AM	52	0.0	95	0.0	1500	52	0	95	0.43	0	66.3	62.7	45.3	38.8	38.8
5-6 AM	118	0.0	215	0.0	1500	118	0	215	0.43	0	66.1	62.5	45.0	38.2	38.2
6-7 AM	195	0.0	356	0.0	1500	195	0	356	0.44	0	66.0	62.3	44.7	37.6	37.6
7-8 AM	294	0.0	536	0.0	1500	294	0	536	0.45	0	65.8	62.1	44.3	35.5	35.5
8-9 AM	337	0.0	614	0.0	1500	337	0	614	0.46	0	65.8	62.0	44.2	34.0	34.0
9-10 AM	412	0.0	751	0.0	1500	412	0	751	0.46	0	65.6	61.9	43.8	31.4	31.4
10-11 AM	486	0.0	885	0.0	1500	486	0	885+	0.47	0	65.5	61.7	43.5	26.9	26.9
11A-NOON	529	0.0	966	0.0	1500	529	0	966+	0.47	0	65.4	61.5	43.4	23.5	23.5
NOON-1PM	574	0.0	1046	0.0	1500	574	0	1046+	0.48	0	65.3	61.5	43.2	20.2	20.2
1-2 PM	615	0.0	1120	0.0	1500	615	0	1120+	0.48	0	65.3	61.4	43.1	19.3	19.3
2-3 PM	672	0.0	1226	0.0	1500	672	0	1226+	0.49	0	65.1	61.2	42.8	19.3	19.3
3-4 PM	704	0.0	1284	0.0	1500	704	0	1284+	0.49	0	65.1	61.2	42.7	19.3	19.3
4-5 PM	733	0.0	1337	0.0	1500	733	0	1337+	0.49	0	65.0	61.1	42.7	19.3	19.3
5-6 PM	730	0.0	1332	0.0	1500	730	0	1332+	0.49	0	65.0	61.1	42.7	19.3	19.3
6-7 PM	638	0.0	1163	0.0	1500	638	0	1163+	0.48	0	65.2	61.3	43.0	19.3	19.3
7-8 PM	515	0.0	939	0.0	1500	515	0	939+	0.47	0	65.5	61.6	43.5	24.7	24.7
8-9 PM	400	0.0	728	0.0	1500	400	0	728	0.46	0	65.6	61.9	43.9	31.9	31.9
9-10 PM	316	0.0	576	0.0	1500	316	0	576	0.45	0	65.8	62.1	44.2	34.7	34.7
10-11 PM	223	0.0	408	0.0	1500	223	0	408	0.44	0	66.0	62.3	44.6	37.4	37.4
11PM-MID	150	0.0	274	0.0	1500	150	0	274	0.44	0	66.1	62.5	44.9	38.0	38.0

+ 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	0.0117
MAIN ROUTE WITH WORKS	0.0111
DIVERSION	0.2260

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$866
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**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

