

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

SATURDAY 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	65	0.0	119	0.0	1500	65	0	119	0.43	0	66.3	62.7	45.2	38.6	38.6
1-2 AM	57	0.0	104	0.0	1500	57	0	104	0.43	0	66.3	62.7	45.3	38.7	38.7
2-3 AM	50	0.0	91	0.0	1500	50	0	91	0.43	0	66.3	62.7	45.3	38.8	38.8
3-4 AM	37	0.0	67	0.0	1500	37	0	67	0.43	0	66.3	62.8	45.3	38.8	38.8
4-5 AM	39	0.0	70	0.0	1500	39	0	70	0.43	0	66.3	62.7	45.3	38.8	38.8
5-6 AM	65	0.0	117	0.0	1500	65	0	117	0.43	0	66.3	62.7	45.2	38.6	38.6
6-7 AM	116	0.0	211	0.0	1500	116	0	211	0.43	0	66.2	62.5	45.0	38.3	38.3
7-8 AM	216	0.0	394	0.0	1500	216	0	394	0.44	0	66.0	62.3	44.6	37.4	37.4
8-9 AM	359	0.0	654	0.0	1500	359	0	654	0.46	0	65.7	62.0	44.0	33.3	33.3
9-10 AM	481	0.0	876	0.0	1500	481	0	876+	0.47	0	65.5	61.7	43.6	27.3	27.3
10-11 AM	582	0.0	1061	0.0	1500	582	0	1061+	0.48	0	65.3	61.4	43.2	19.5	19.5
11A-NOON	577	0.0	1053	0.0	1500	577	0	1053+	0.48	0	65.3	61.5	43.2	19.9	19.9
NOON-1PM	527	0.0	960	0.0	1500	527	0	960+	0.47	0	65.4	61.5	43.4	23.8	23.8
1-2 PM	465	0.0	846	0.0	1500	465	0	846+	0.47	0	65.5	61.7	43.7	28.6	28.6
2-3 PM	457	0.0	833	0.0	1500	457	0	833+	0.47	0	65.5	61.7	43.7	29.1	29.1
3-4 PM	402	0.0	733	0.0	1500	402	0	733	0.46	0	65.6	61.9	43.9	31.7	31.7
4-5 PM	407	0.0	741	0.0	1500	407	0	741	0.46	0	65.6	61.9	43.8	31.5	31.5
5-6 PM	351	0.0	640	0.0	1500	351	0	640	0.46	0	65.7	62.0	44.1	33.5	33.5
6-7 PM	288	0.0	526	0.0	1500	288	0	526	0.45	0	65.8	62.2	44.3	35.7	35.7
7-8 PM	260	0.0	473	0.0	1500	260	0	473	0.45	0	65.9	62.2	44.5	36.8	36.8
8-9 PM	236	0.0	431	0.0	1500	236	0	431	0.45	0	66.0	62.3	44.5	37.3	37.3
9-10 PM	193	0.0	351	0.0	1500	193	0	351	0.44	0	66.0	62.3	44.7	37.6	37.6
10-11 PM	154	0.0	280	0.0	1500	154	0	280	0.44	0	66.1	62.5	44.9	37.9	37.9
11PM-MID	96	0.0	175	0.0	1500	96	0	175	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 (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	0.0086
MAIN ROUTE WITH WORKS	0.0081
DIVERSION	0.1650

PIA: Personal Injury Accidents

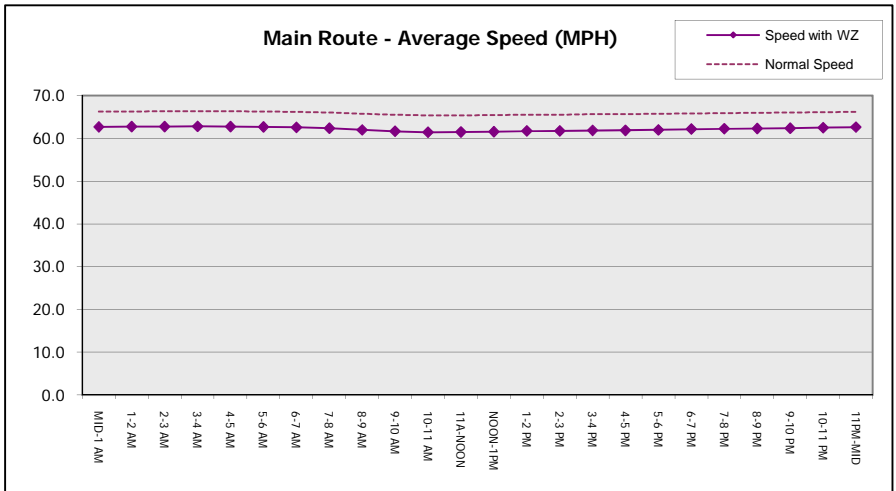
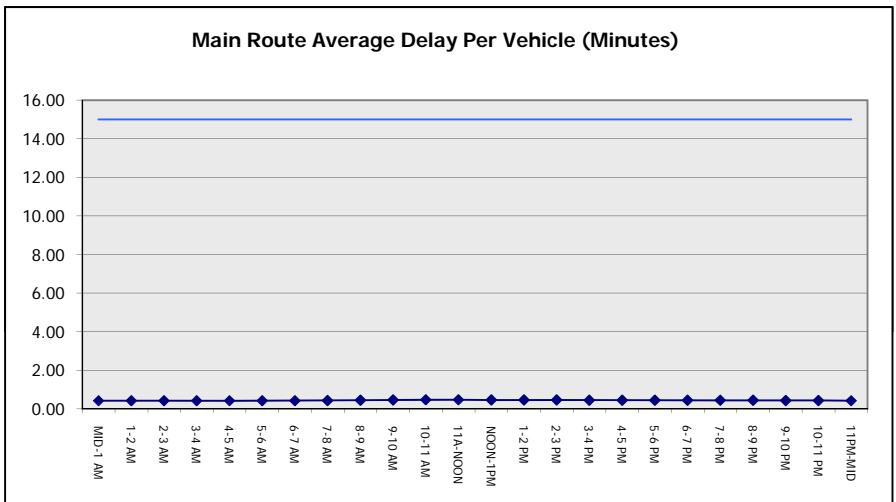
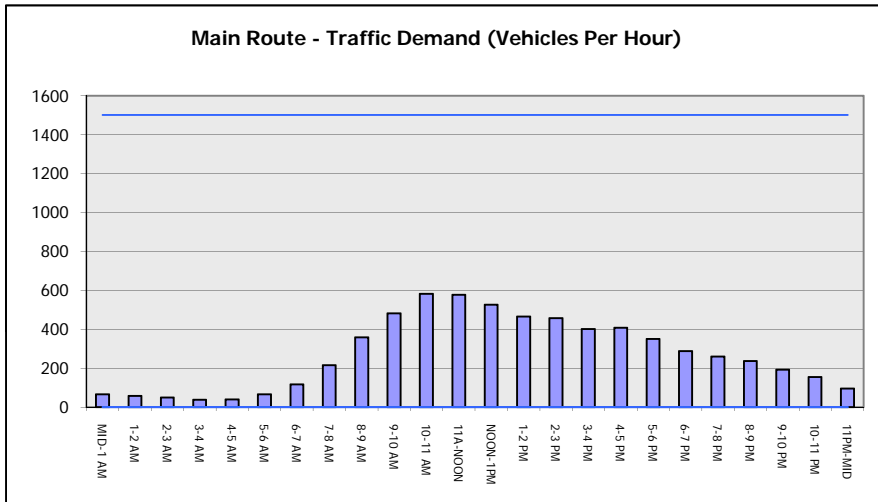
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$753
CONGESTED HOURS PER DAY*	0

*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
SATURDAY 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

SATURDAY 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	97	0.0	178	0.0	1500	97	0	178	0.43	0	66.2	62.6	45.1	38.4	38.4
1-2 AM	69	0.0	127	0.0	1500	69	0	127	0.43	0	66.3	62.7	45.2	38.6	38.6
2-3 AM	52	0.0	95	0.0	1500	52	0	95	0.43	0	66.3	62.7	45.3	38.8	38.8
3-4 AM	48	0.0	86	0.0	1500	48	0	86	0.43	0	66.3	62.7	45.3	38.8	38.8
4-5 AM	58	0.0	105	0.0	1500	58	0	105	0.43	0	66.3	62.7	45.3	38.7	38.7
5-6 AM	80	0.0	146	0.0	1500	80	0	146	0.43	0	66.3	62.7	45.1	38.5	38.5
6-7 AM	115	0.0	209	0.0	1500	115	0	209	0.43	0	66.2	62.5	45.0	38.3	38.3
7-8 AM	201	0.0	365	0.0	1500	201	0	365	0.44	0	66.0	62.3	44.6	37.6	37.6
8-9 AM	304	0.0	556	0.0	1500	304	0	556	0.45	0	65.8	62.1	44.3	35.1	35.1
9-10 AM	447	0.0	816	0.0	1500	447	0	816+	0.47	0	65.6	61.8	43.7	29.8	29.8
10-11 AM	554	0.0	1010	0.0	1500	554	0	1010+	0.48	0	65.3	61.5	43.3	21.7	21.7
11A-NOON	594	0.0	1084	0.0	1500	594	0	1084+	0.48	0	65.3	61.4	43.2	19.3	19.3
NOON-1PM	542	0.0	987	0.0	1500	542	0	987+	0.47	0	65.4	61.5	43.3	22.6	22.6
1-2 PM	532	0.0	969	0.0	1500	532	0	969+	0.47	0	65.4	61.5	43.4	23.4	23.4
2-3 PM	500	0.0	912	0.0	1500	500	0	912+	0.47	0	65.5	61.7	43.5	25.8	25.8
3-4 PM	454	0.0	828	0.0	1500	454	0	828+	0.47	0	65.5	61.7	43.7	29.3	29.3
4-5 PM	413	0.0	751	0.0	1500	413	0	751	0.46	0	65.6	61.9	43.8	31.4	31.4
5-6 PM	355	0.0	646	0.0	1500	355	0	646	0.46	0	65.7	62.0	44.1	33.4	33.4
6-7 PM	301	0.0	549	0.0	1500	301	0	549	0.45	0	65.8	62.1	44.3	35.3	35.3
7-8 PM	237	0.0	432	0.0	1500	237	0	432	0.45	0	66.0	62.3	44.5	37.3	37.3
8-9 PM	194	0.0	352	0.0	1500	194	0	352	0.44	0	66.0	62.3	44.7	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	110	0.0	199	0.0	1500	110	0	199	0.43	0	66.2	62.6	45.0	38.3	38.3
11PM-MID	81	0.0	147	0.0	1500	81	0	147	0.43	0	66.3	62.7	45.1	38.5	38.5

+ 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	0.0086
MAIN ROUTE WITH WORKS	0.0082
DIVERSION	0.1656

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$756
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
SATURDAY NORTHBOUND DIRECTION

