

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

MON-THUR 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	42	0.0	75	0.0	1500	42	0	75	0.43	0	66.3	62.7	45.3	38.8	38.8
1-2 AM	24	0.0	45	0.0	1500	24	0	45	0.42	0	66.3	62.8	45.4	38.9	38.9
2-3 AM	23	0.0	42	0.0	1500	23	0	42	0.42	0	66.3	62.8	45.4	38.9	38.9
3-4 AM	25	0.0	46	0.0	1500	25	0	46	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	99	0.0	180	0.0	1500	99	0	180	0.43	0	66.2	62.6	45.1	38.4	38.4
6-7 AM	194	0.0	353	0.0	1500	194	0	353	0.44	0	66.0	62.3	44.7	37.6	37.6
7-8 AM	251	0.0	456	0.0	1500	251	0	456	0.45	0	65.9	62.2	44.5	37.1	37.1
8-9 AM	288	0.0	525	0.0	1500	288	0	525	0.45	0	65.8	62.2	44.3	35.7	35.7
9-10 AM	339	0.0	617	0.0	1500	339	0	617	0.46	0	65.8	62.0	44.2	34.0	34.0
10-11 AM	380	0.0	693	0.0	1500	380	0	693	0.46	0	65.7	61.9	44.0	32.5	32.5
11A-NOON	392	0.0	714	0.0	1500	392	0	714	0.46	0	65.6	61.9	43.9	32.1	32.1
NOON-1PM	399	0.0	725	0.0	1500	399	0	725	0.46	0	65.6	61.9	43.9	31.9	31.9
1-2 PM	409	0.0	746	0.0	1500	409	0	746	0.46	0	65.6	61.9	43.8	31.5	31.5
2-3 PM	416	0.0	758	0.0	1500	416	0	758	0.46	0	65.6	61.9	43.8	31.2	31.2
3-4 PM	472	0.0	860	0.0	1500	472	0	860+	0.47	0	65.5	61.7	43.6	28.0	28.0
4-5 PM	451	0.0	823	0.0	1500	451	0	823+	0.47	0	65.5	61.7	43.7	29.5	29.5
5-6 PM	374	0.0	683	0.0	1500	374	0	683	0.46	0	65.7	61.9	44.0	32.7	32.7
6-7 PM	250	0.0	455	0.0	1500	250	0	455	0.45	0	66.0	62.2	44.5	37.1	37.1
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	158	0.0	288	0.0	1500	158	0	288	0.44	0	66.1	62.5	44.8	37.9	37.9
9-10 PM	132	0.0	239	0.0	1500	132	0	239	0.44	0	66.1	62.5	45.0	38.1	38.1
10-11 PM	89	0.0	163	0.0	1500	89	0	163	0.43	0	66.2	62.6	45.1	38.4	38.4
11PM-MID	56	0.0	101	0.0	1500	56	0	101	0.43	0	66.3	62.7	45.3	38.7	38.7

+ 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	0.0073
MAIN ROUTE WITH WORKS	0.0069
DIVERSION	0.1398

PIA: Personal Injury Accidents

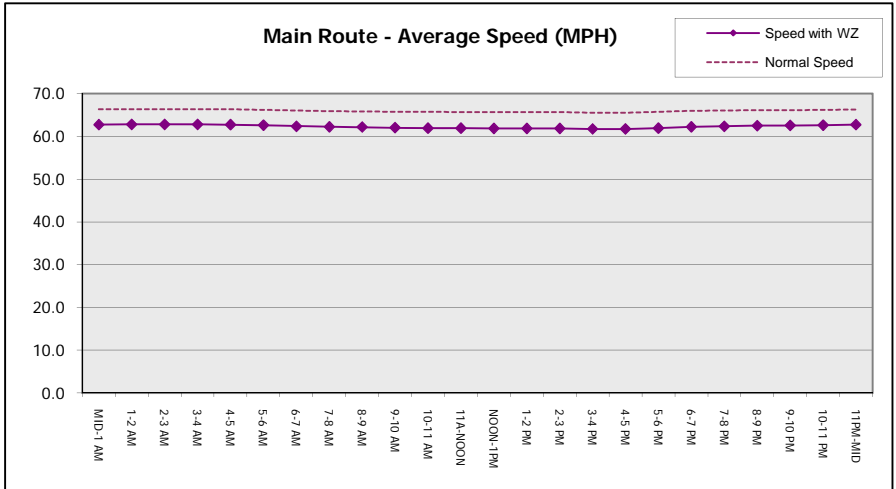
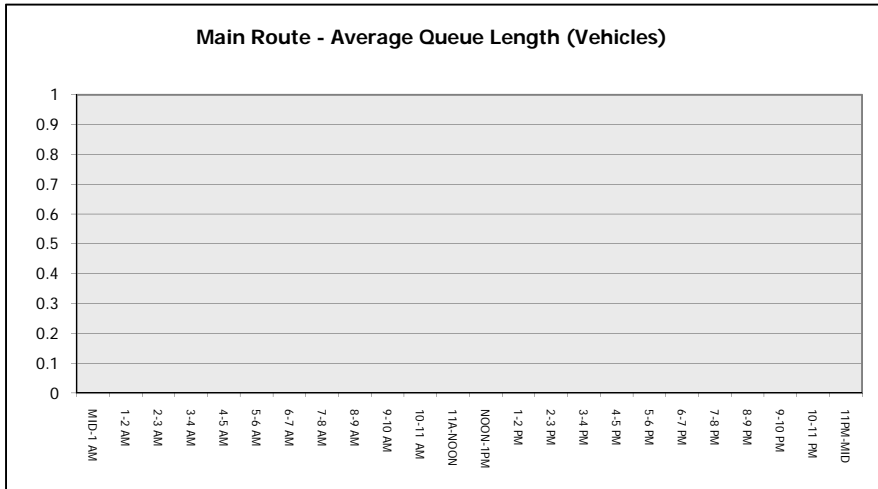
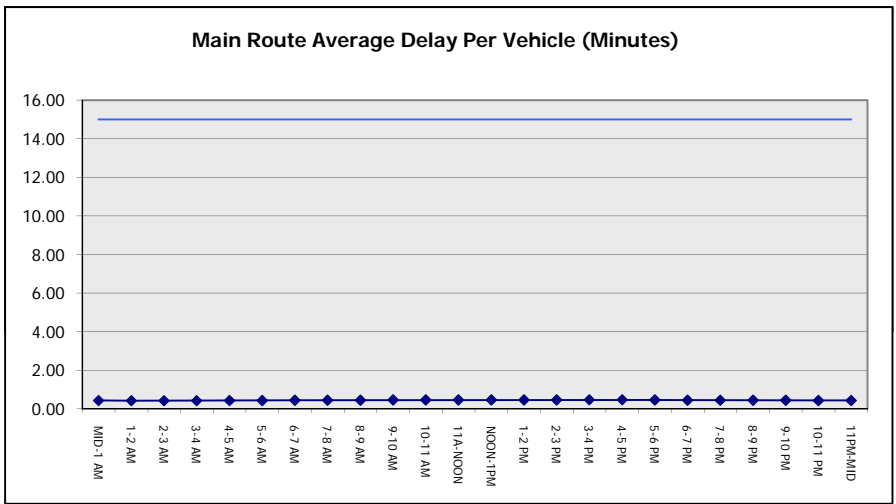
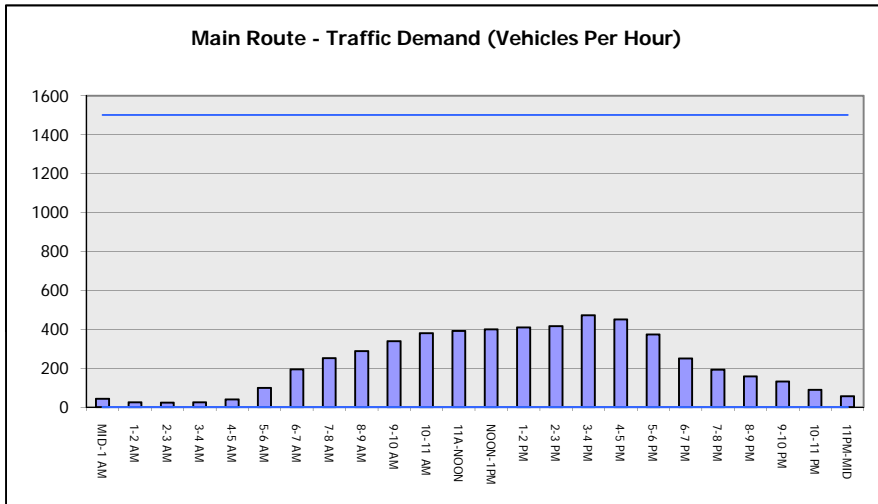
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$500
CONGESTED HOURS PER DAY*	0

*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
MON-THUR 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

MON-THUR 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	57	0.0	1500	31	0	57	0.43	0	66.3	62.8	45.4	38.9	38.9
1-2 AM	26	0.0	47	0.0	1500	26	0	47	0.42	0	66.3	62.8	45.4	38.9	38.9
2-3 AM	24	0.0	45	0.0	1500	24	0	45	0.42	0	66.3	62.8	45.4	38.9	38.9
3-4 AM	26	0.0	48	0.0	1500	26	0	48	0.42	0	66.3	62.8	45.4	38.9	38.9
4-5 AM	53	0.0	96	0.0	1500	53	0	96	0.43	0	66.3	62.7	45.3	38.8	38.8
5-6 AM	117	0.0	212	0.0	1500	117	0	212	0.43	0	66.2	62.5	45.0	38.3	38.3
6-7 AM	201	0.0	365	0.0	1500	201	0	365	0.44	0	66.0	62.3	44.6	37.6	37.6
7-8 AM	305	0.0	557	0.0	1500	305	0	557	0.45	0	65.8	62.1	44.3	35.1	35.1
8-9 AM	296	0.0	539	0.0	1500	296	0	539	0.45	0	65.8	62.1	44.3	35.5	35.5
9-10 AM	328	0.0	597	0.0	1500	328	0	597	0.45	0	65.8	62.0	44.2	34.3	34.3
10-11 AM	339	0.0	618	0.0	1500	339	0	618	0.46	0	65.8	62.0	44.2	34.0	34.0
11A-NOON	351	0.0	639	0.0	1500	351	0	639	0.46	0	65.7	62.0	44.1	33.5	33.5
NOON-1PM	355	0.0	648	0.0	1500	355	0	648	0.46	0	65.7	62.0	44.1	33.3	33.3
1-2 PM	367	0.0	668	0.0	1500	367	0	668	0.46	0	65.7	62.0	44.0	33.0	33.0
2-3 PM	386	0.0	703	0.0	1500	386	0	703	0.46	0	65.6	61.9	44.0	32.3	32.3
3-4 PM	396	0.0	720	0.0	1500	396	0	720	0.46	0	65.6	61.9	43.9	32.0	32.0
4-5 PM	399	0.0	726	0.0	1500	399	0	726	0.46	0	65.6	61.9	43.9	31.9	31.9
5-6 PM	396	0.0	719	0.0	1500	396	0	719	0.46	0	65.6	61.9	43.9	32.0	32.0
6-7 PM	298	0.0	543	0.0	1500	298	0	543	0.45	0	65.8	62.1	44.3	35.4	35.4
7-8 PM	229	0.0	414	0.0	1500	229	0	414	0.44	0	66.0	62.3	44.6	37.4	37.4
8-9 PM	193	0.0	347	0.0	1500	193	0	347	0.44	0	66.0	62.3	44.7	37.7	37.7
9-10 PM	157	0.0	285	0.0	1500	157	0	285	0.44	0	66.1	62.5	44.8	37.9	37.9
10-11 PM	108	0.0	195	0.0	1500	108	0	195	0.43	0	66.2	62.6	45.1	38.3	38.3
11PM-MID	66	0.0	119	0.0	1500	66	0	119	0.43	0	66.3	62.7	45.2	38.6	38.6

----- 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	0.0072
MAIN ROUTE WITH WORKS	0.0068
DIVERSION	0.1384

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$492
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
MON-THUR NORTHBOUND DIRECTION

