

IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 33 - USH 12	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR WESTBOUND 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	261	0.0	108	0.0	1500	261	0	108	0.45	0	65.9	63.6	44.5	43.2	43.2
1-2 AM	243	0.0	100	0.0	1500	243	0	100	0.45	0	66.0	63.7	44.5	43.3	43.3
2-3 AM	248	0.0	101	0.0	1500	248	0	101	0.45	0	66.0	63.7	44.5	43.3	43.3
3-4 AM	238	0.0	98	0.0	1500	238	0	98	0.45	0	66.0	63.7	44.5	43.3	43.3
4-5 AM	277	0.0	114	0.0	1500	277	0	114	0.45	0	65.9	63.6	44.4	43.1	43.1
5-6 AM	363	0.0	149	0.0	1500	363	0	149	0.46	0	65.7	63.3	44.0	42.6	42.6
6-7 AM	523	0.0	215	0.0	1500	523	0	215	0.47	0	65.4	63.0	43.4	41.7	41.7
7-8 AM	713	0.0	293	0.0	1500	713	0	293	0.49	0	65.1	62.6	42.7	40.6	40.6
8-9 AM	837	0.0	344	0.0	1500	837	0	344	0.50	0	64.8	62.3	42.2	39.8	39.8
9-10 AM	900	0.0	370	0.0	1500	900	0	370	0.51	0	64.7	62.2	42.0	39.4	39.4
10-11 AM	930	0.0	382	0.0	1500	930	0	382	0.51	0	64.6	62.1	41.9	39.2	39.2
11A-NOON	968	0.0	399	0.0	1500	968	0	399	0.52	0	64.6	62.0	41.8	39.1	39.1
NOON-1PM	1005	0.0	414	0.0	1500	1005	0	414	0.52	0	64.5	62.0	41.7	38.8	38.8
1-2 PM	1075	0.0	443	0.0	1500	1075	0	443	0.53	0	64.4	61.8	41.4	38.4	38.4
2-3 PM	1120	0.0	462	0.0	1500	1120	0	462	0.53	0	64.3	61.7	41.2	38.1	38.1
3-4 PM	1170	0.0	482	0.0	1500	1170	0	482	0.60	0	64.2	61.3	39.4	37.8	37.8
4-5 PM	1104	0.0	455	0.0	1500	1104	0	455	0.53	0	64.3	61.7	41.3	38.3	38.3
5-6 PM	1019	0.0	419	0.0	1500	1019	0	419	0.52	0	64.5	61.9	41.6	38.8	38.8
6-7 PM	858	0.0	353	0.0	1500	858	0	353	0.51	0	64.8	62.3	42.2	39.7	39.7
7-8 PM	708	0.0	291	0.0	1500	708	0	291	0.49	0	65.1	62.6	42.7	40.6	40.6
8-9 PM	574	0.0	236	0.0	1500	574	0	236	0.48	0	65.3	62.9	43.2	41.4	41.4
9-10 PM	488	0.0	201	0.0	1500	488	0	201	0.47	0	65.5	63.1	43.5	41.9	41.9
10-11 PM	410	0.0	168	0.0	1500	410	0	168	0.46	0	65.6	63.3	43.8	42.3	42.3
11PM-MID	323	0.0	133	0.0	1500	323	0	133	0.45	0	65.8	63.5	44.2	42.8	42.8

----- 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	0.0354
MAIN ROUTE WITH WORKS	0.0343
DIVERSION	0.0514

PIA: Personal Injury Accidents

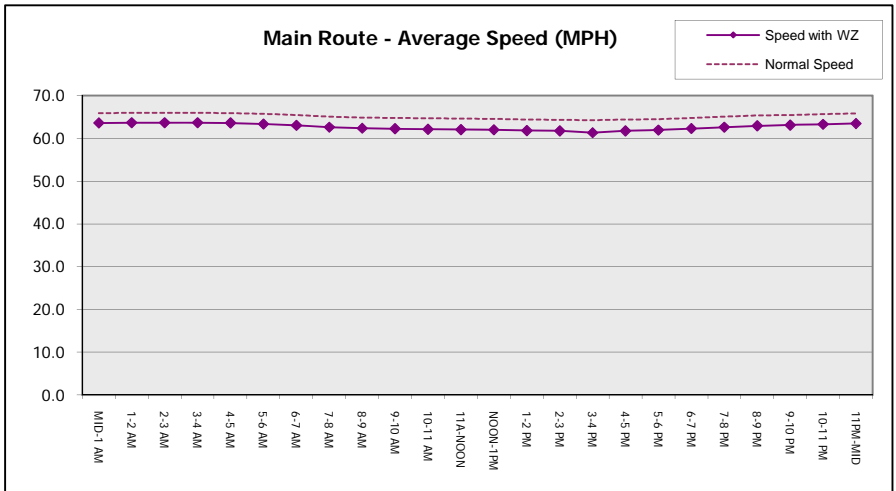
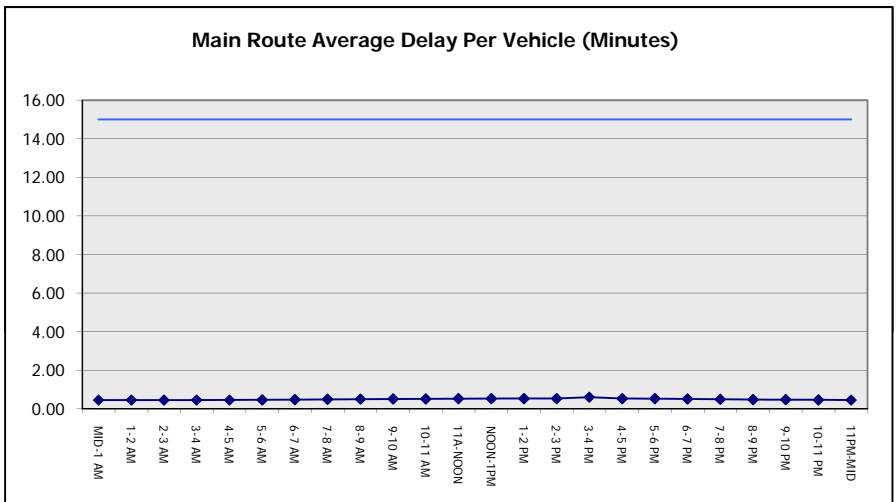
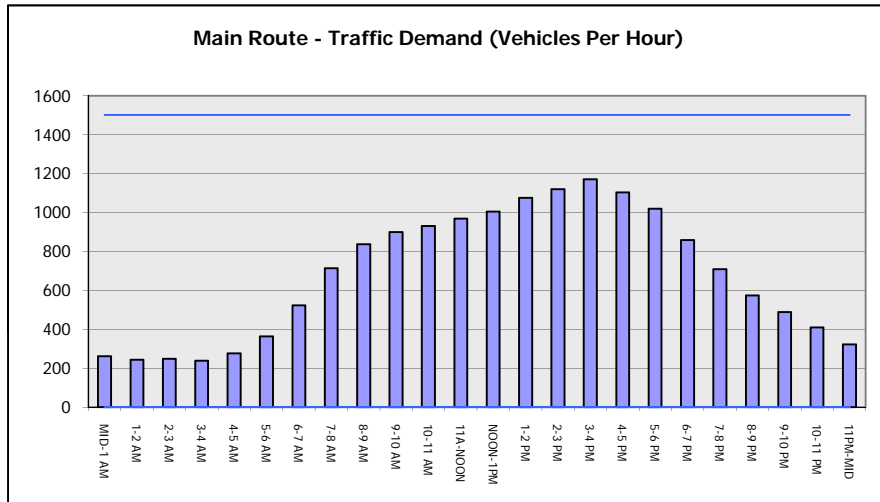
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,683
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 33 - USH 12

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 33 - USH 12	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR EASTBOUND 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	242	0.0	100	0.0	1500	242	0	100	0.45	0	66.0	63.7	44.5	43.3	43.3
1-2 AM	195	0.0	80	0.0	1500	195	0	80	0.44	0	66.0	63.7	44.7	43.6	43.6
2-3 AM	203	0.0	83	0.0	1500	203	0	83	0.44	0	66.0	63.7	44.6	43.5	43.5
3-4 AM	190	0.0	78	0.0	1500	190	0	78	0.44	0	66.0	63.8	44.7	43.6	43.6
4-5 AM	230	0.0	94	0.0	1500	230	0	94	0.44	0	66.0	63.7	44.6	43.3	43.3
5-6 AM	303	0.0	125	0.0	1500	303	0	125	0.45	0	65.8	63.5	44.3	42.9	42.9
6-7 AM	425	0.0	176	0.0	1500	425	0	176	0.46	0	65.6	63.2	43.8	42.2	42.2
7-8 AM	596	0.0	246	0.0	1500	596	0	246	0.48	0	65.3	62.8	43.2	41.2	41.2
8-9 AM	725	0.0	299	0.0	1500	725	0	299	0.49	0	65.0	62.6	42.7	40.4	40.4
9-10 AM	864	0.0	356	0.0	1500	864	0	356	0.51	0	64.8	62.3	42.2	39.6	39.6
10-11 AM	936	0.0	386	0.0	1500	936	0	386	0.51	0	64.6	62.1	41.9	39.2	39.2
11A-NOON	1020	0.0	420	0.0	1500	1020	0	420	0.52	0	64.5	61.9	41.6	38.8	38.8
NOON-1PM	1066	0.0	439	0.0	1500	1066	0	439	0.53	0	64.4	61.9	41.4	38.4	38.4
1-2 PM	1131	0.0	466	0.0	1500	1131	0	466	0.55	0	64.3	61.6	40.8	38.1	38.1
2-3 PM	1192	0.0	491	0.0	1500	1192	0	491	0.63	0	64.1	61.2	38.7	37.7	37.7
3-4 PM	1227	0.0	505	0.0	1500	1227	0	505	0.67	0	64.1	60.9	37.6	37.5	37.5
4-5 PM	1263	0.0	520	0.0	1500	1263	0	520	0.72	0	64.0	60.6	36.5	37.3	37.3
5-6 PM	1063	0.0	437	0.0	1500	1063	0	437	0.53	0	64.4	61.9	41.5	38.5	38.5
6-7 PM	894	0.0	368	0.0	1500	894	0	368	0.51	0	64.7	62.2	42.0	39.5	39.5
7-8 PM	725	0.0	298	0.0	1500	725	0	298	0.49	0	65.0	62.6	42.7	40.5	40.5
8-9 PM	649	0.0	268	0.0	1500	649	0	268	0.49	0	65.2	62.7	43.0	40.9	40.9
9-10 PM	540	0.0	222	0.0	1500	540	0	222	0.47	0	65.4	63.0	43.3	41.5	41.5
10-11 PM	420	0.0	173	0.0	1500	420	0	173	0.46	0	65.6	63.2	43.8	42.2	42.2
11PM-MID	308	0.0	127	0.0	1500	308	0	127	0.45	0	65.8	63.5	44.3	42.9	42.9

----- 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	0.0355
MAIN ROUTE WITH WORKS	0.0344
DIVERSION	0.0516

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,789
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 33 - USH 12

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

