

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	208	0.0	85	0.0	1500	208	0	85	0.44	0	66.0	63.7	44.6	43.5	43.5
1-2 AM	151	0.0	62	0.0	1500	151	0	62	0.44	0	66.1	63.8	44.9	43.8	43.8
2-3 AM	136	0.0	56	0.0	1500	136	0	56	0.44	0	66.1	63.9	45.0	43.9	43.9
3-4 AM	130	0.0	54	0.0	1500	130	0	54	0.44	0	66.1	63.9	45.0	44.0	44.0
4-5 AM	132	0.0	55	0.0	1500	132	0	55	0.44	0	66.1	63.9	45.0	43.9	43.9
5-6 AM	157	0.0	65	0.0	1500	157	0	65	0.44	0	66.1	63.8	44.8	43.8	43.8
6-7 AM	246	0.0	100	0.0	1500	246	0	100	0.45	0	66.0	63.7	44.5	43.3	43.3
7-8 AM	420	0.0	172	0.0	1500	420	0	172	0.46	0	65.6	63.2	43.8	42.2	42.2
8-9 AM	711	0.0	293	0.0	1500	711	0	293	0.49	0	65.1	62.6	42.7	40.6	40.6
9-10 AM	1113	0.0	459	0.0	OFF	1113	0	459	0.00	0	64.3	64.3	64.3	38.2	38.2
10-11 AM	1631	0.0	672	0.0	OFF	1631	0	672	0.00	0	63.3	63.3	63.3	35.1	35.1
11A-NOON	1954	0.0	805	0.0	OFF	1954	0	805	0.00	0	62.7	62.7	62.7	33.2	33.2
NOON-1PM	2125	0.0	875	0.0	OFF	2125	0	875	0.00	0	62.4	62.4	62.4	32.2	32.2
1-2 PM	2247	0.0	925	0.0	OFF	2247	0	925	0.00	0	62.2	62.2	62.2	31.5	31.5
2-3 PM	2427	0.0	999	0.0	OFF	2427	0	999	0.00	0	61.7	61.7	61.7	30.5	30.5
3-4 PM	2449	0.0	1009	0.0	OFF	2449	0	1009	0.00	0	61.4	61.4	61.4	30.4	30.4
4-5 PM	2227	0.0	917	0.0	OFF	2227	0	917	0.00	0	62.2	62.2	62.2	31.7	31.7
5-6 PM	1969	0.0	811	0.0	OFF	1969	0	811	0.00	0	62.7	62.7	62.7	33.2	33.2
6-7 PM	1724	0.0	710	0.0	OFF	1724	0	710	0.00	0	63.2	63.2	63.2	34.6	34.6
7-8 PM	1360	0.0	560	0.0	1500	1360	0	560	0.84	0	63.8	59.9	34.0	36.8	36.8
8-9 PM	1057	0.0	435	0.0	1500	1057	0	435	0.52	0	64.4	61.9	41.5	38.5	38.5
9-10 PM	794	0.0	327	0.0	1500	794	0	327	0.50	0	64.9	62.4	42.4	40.1	40.1
10-11 PM	564	0.0	232	0.0	1500	564	0	232	0.48	0	65.3	62.9	43.3	41.4	41.4
11PM-MID	387	0.0	159	0.0	1500	387	0	159	0.46	0	65.6	63.3	44.0	42.4	42.4

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0570
MAIN ROUTE WITH WORKS	0.0565
DIVERSION	0.0827

PIA: Personal Injury Accidents

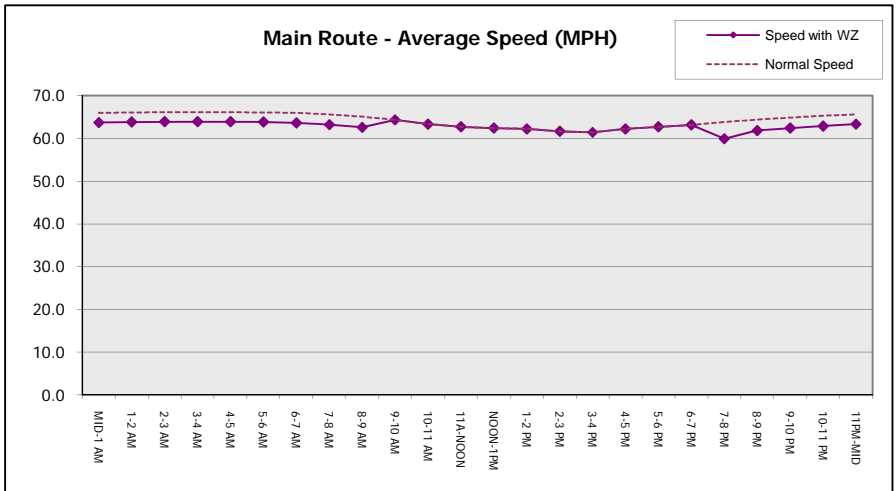
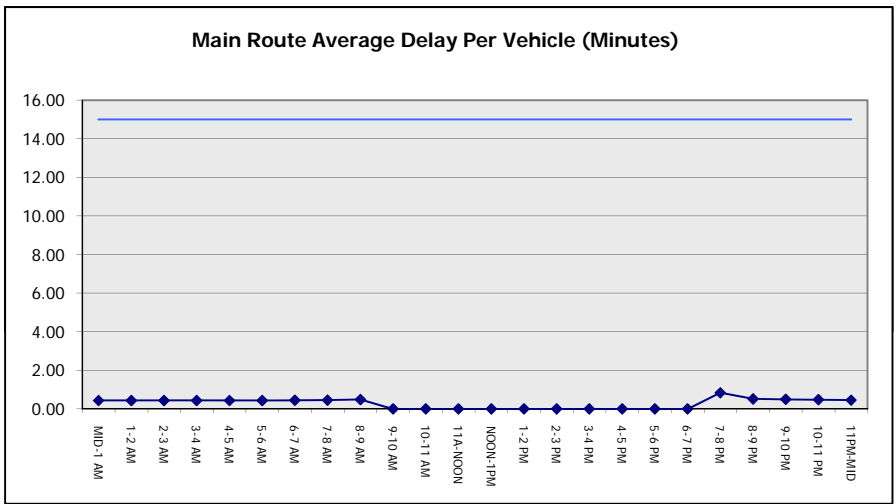
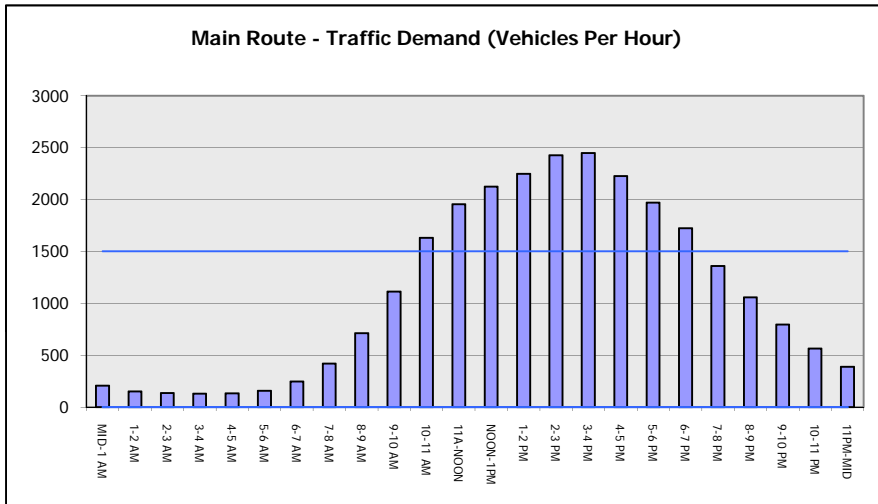
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$847
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 33 - USH 12	AUGUST Analyzed for 2009 Construction Season
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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		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	227	0.0	93	0.0	1500	227	0	93	0.44	0	66.0	63.7	44.6	43.4	43.4
1-2 AM	161	0.0	66	0.0	1500	161	0	66	0.44	0	66.1	63.8	44.8	43.8	43.8
2-3 AM	130	0.0	54	0.0	1500	130	0	54	0.44	0	66.1	63.9	45.0	44.0	44.0
3-4 AM	111	0.0	46	0.0	1500	111	0	46	0.43	0	66.2	63.9	45.0	44.1	44.1
4-5 AM	103	0.0	43	0.0	1500	103	0	43	0.43	0	66.2	64.0	45.1	44.1	44.1
5-6 AM	140	0.0	58	0.0	1500	140	0	58	0.44	0	66.1	63.8	44.9	43.9	43.9
6-7 AM	210	0.0	86	0.0	1500	210	0	86	0.44	0	66.0	63.7	44.6	43.5	43.5
7-8 AM	396	0.0	163	0.0	1500	396	0	163	0.46	0	65.6	63.3	43.9	42.4	42.4
8-9 AM	732	0.0	301	0.0	1500	732	0	301	0.49	0	65.0	62.5	42.7	40.4	40.4
9-10 AM	1174	0.0	483	0.0	OFF	1174	0	483	0.00	0	64.2	64.2	64.2	37.8	37.8
10-11 AM	1676	0.0	690	0.0	OFF	1676	0	690	0.00	0	63.3	63.3	63.3	34.9	34.9
11A-NOON	2091	0.0	860	0.0	OFF	2091	0	860	0.00	0	62.5	62.5	62.5	32.5	32.5
NOON-1PM	2301	0.0	948	0.0	OFF	2301	0	948	0.00	0	62.1	62.1	62.1	31.2	31.2
1-2 PM	2603	0.0	1071	0.0	OFF	2603	0	1071	0.00	0	59.8	59.8	59.8	29.4	29.4
2-3 PM	2715	0.0	1118	0.0	OFF	2715	0	1118	0.00	0	58.7	58.7	58.7	28.8	28.8
3-4 PM	2714	0.0	1117	0.0	OFF	2714	0	1117	0.00	0	58.7	58.7	58.7	28.8	28.8
4-5 PM	2462	0.0	1014	0.0	OFF	2462	0	1014	0.00	0	61.3	61.3	61.3	30.2	30.2
5-6 PM	2168	0.0	893	0.0	OFF	2168	0	893	0.00	0	62.3	62.3	62.3	32.0	32.0
6-7 PM	1839	0.0	758	0.0	OFF	1839	0	758	0.00	0	63.0	63.0	63.0	33.9	33.9
7-8 PM	1469	0.0	605	0.0	1499	1469	0	605	1.35	11	63.7	57.6	32.0	36.1	36.1
8-9 PM	1119	0.0	461	0.0	1500	1119	0	461	0.53	0	64.3	61.7	41.2	38.1	38.1
9-10 PM	877	0.0	361	0.0	1500	877	0	361	0.51	0	64.8	62.2	42.1	39.6	39.6
10-11 PM	609	0.0	251	0.0	1500	609	0	251	0.48	0	65.3	62.8	43.1	41.2	41.2
11PM-MID	378	0.0	156	0.0	1500	378	0	156	0.46	0	65.7	63.3	44.0	42.5	42.5

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0615
MAIN ROUTE WITH WORKS	0.0610
DIVERSION	0.0892

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,062
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

