

IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 33 - USH 12	OCTOBER
	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	161	0.0	67	0.0	1500	161	0	67	0.44	0	66.1	63.8	44.8	43.8	43.8
1-2 AM	134	0.0	55	0.0	1500	134	0	55	0.44	0	66.1	63.9	45.0	43.9	43.9
2-3 AM	112	0.0	46	0.0	1500	112	0	46	0.43	0	66.2	63.9	45.0	44.1	44.1
3-4 AM	116	0.0	48	0.0	1500	116	0	48	0.43	0	66.2	63.9	45.0	44.0	44.0
4-5 AM	111	0.0	46	0.0	1500	111	0	46	0.43	0	66.2	63.9	45.0	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	202	0.0	83	0.0	1500	202	0	83	0.44	0	66.0	63.7	44.6	43.5	43.5
7-8 AM	342	0.0	141	0.0	1500	342	0	141	0.46	0	65.8	63.4	44.1	42.7	42.7
8-9 AM	570	0.0	234	0.0	1500	570	0	234	0.48	0	65.3	62.9	43.2	41.4	41.4
9-10 AM	946	0.0	390	0.0	OFF	946	0	390	0.00	0	64.6	64.6	64.6	39.2	39.2
10-11 AM	1332	0.0	549	0.0	OFF	1332	0	549	0.00	0	63.9	63.9	63.9	36.9	36.9
11A-NOON	1671	0.0	688	0.0	OFF	1671	0	688	0.00	0	63.3	63.3	63.3	34.9	34.9
NOON-1PM	1894	0.0	780	0.0	OFF	1894	0	780	0.00	0	62.8	62.8	62.8	33.6	33.6
1-2 PM	2128	0.0	876	0.0	OFF	2128	0	876	0.00	0	62.4	62.4	62.4	32.2	32.2
2-3 PM	2179	0.0	897	0.0	OFF	2179	0	897	0.00	0	62.3	62.3	62.3	31.9	31.9
3-4 PM	2212	0.0	910	0.0	OFF	2212	0	910	0.00	0	62.3	62.3	62.3	31.7	31.7
4-5 PM	2041	0.0	840	0.0	OFF	2041	0	840	0.00	0	62.6	62.6	62.6	32.7	32.7
5-6 PM	1796	0.0	740	0.0	OFF	1796	0	740	0.00	0	63.0	63.0	63.0	34.2	34.2
6-7 PM	1457	0.0	600	0.0	OFF	1457	0	600	0.00	0	63.7	63.7	63.7	36.1	36.1
7-8 PM	1101	0.0	454	0.0	1500	1101	0	454	0.53	0	64.3	61.7	41.4	38.3	38.3
8-9 PM	849	0.0	350	0.0	1500	849	0	350	0.50	0	64.8	62.3	42.2	39.7	39.7
9-10 PM	548	0.0	225	0.0	1500	548	0	225	0.48	0	65.4	63.0	43.3	41.5	41.5
10-11 PM	389	0.0	160	0.0	1500	389	0	160	0.46	0	65.6	63.3	44.0	42.4	42.4
11PM-MID	286	0.0	118	0.0	1500	286	0	118	0.45	0	65.8	63.5	44.3	43.0	43.0

"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	0.0492
MAIN ROUTE WITH WORKS	0.0488
DIVERSION	0.0713

PIA: Personal Injury Accidents

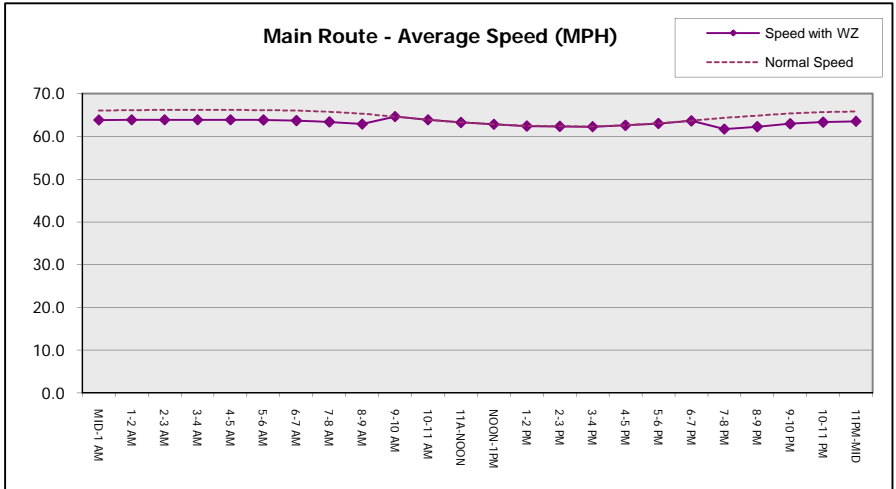
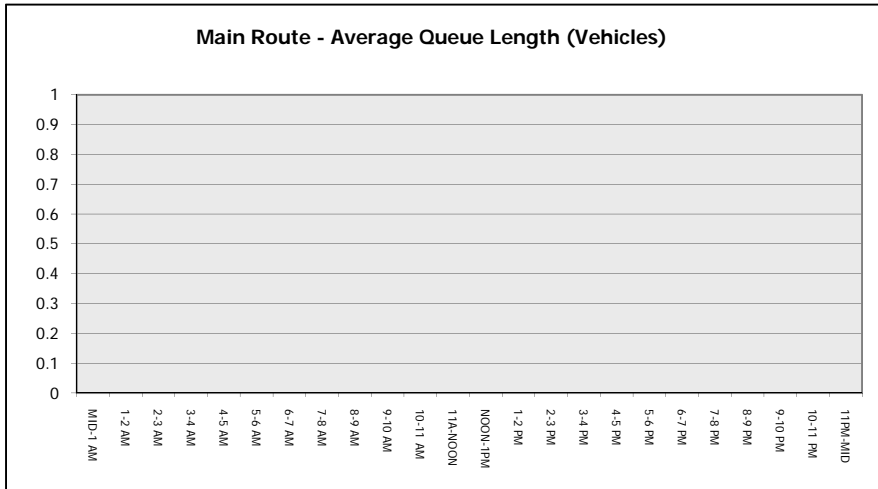
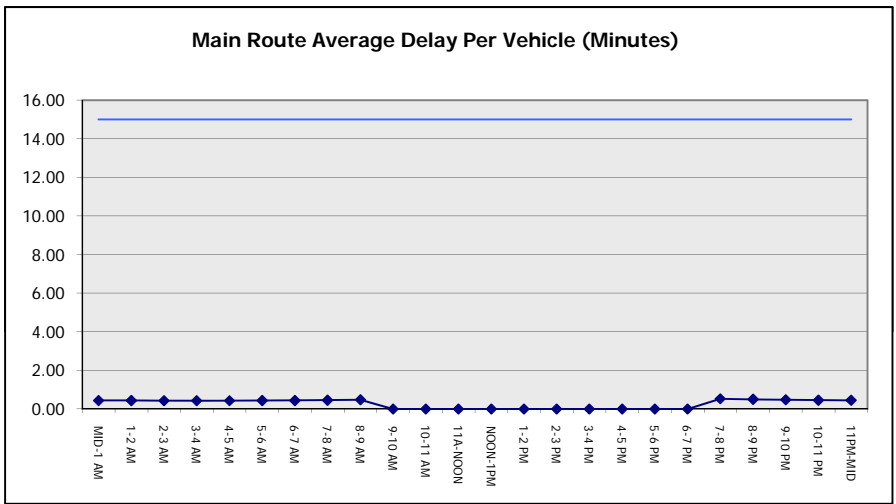
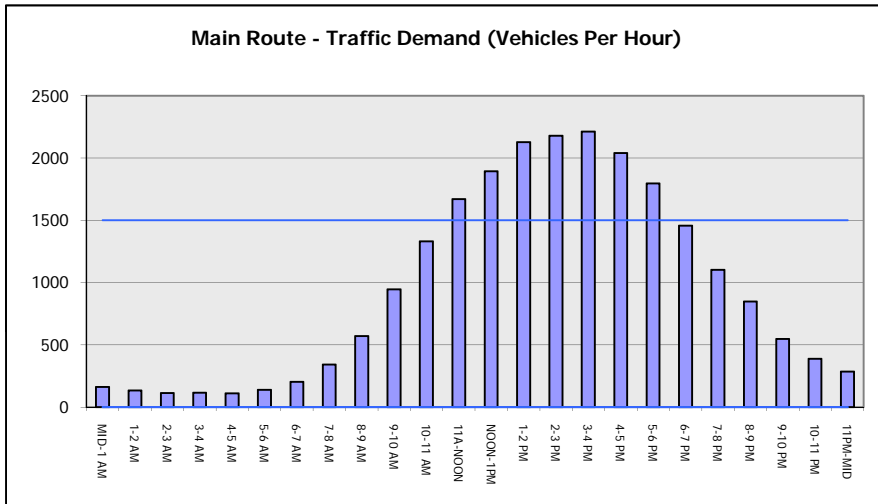
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$587
CONGESTED HOURS PER DAY*	0

*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

OCTOBER
 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	OCTOBER
	Analyzed for 2009 Construction Season

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		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	163	0.0	67	0.0	1500	163	0	67	0.44	0	66.1	63.8	44.8	43.8	43.8
1-2 AM	116	0.0	48	0.0	1500	116	0	48	0.43	0	66.2	63.9	45.0	44.0	44.0
2-3 AM	91	0.0	38	0.0	1500	91	0	38	0.43	0	66.2	64.0	45.1	44.2	44.2
3-4 AM	81	0.0	33	0.0	1500	81	0	33	0.43	0	66.3	64.0	45.1	44.2	44.2
4-5 AM	100	0.0	42	0.0	1500	100	0	42	0.43	0	66.2	64.0	45.1	44.1	44.1
5-6 AM	123	0.0	51	0.0	1500	123	0	51	0.43	0	66.1	63.9	45.0	44.0	44.0
6-7 AM	194	0.0	80	0.0	1500	194	0	80	0.44	0	66.0	63.8	44.7	43.6	43.6
7-8 AM	308	0.0	127	0.0	1500	308	0	127	0.45	0	65.8	63.5	44.3	42.9	42.9
8-9 AM	606	0.0	250	0.0	1500	606	0	250	0.48	0	65.3	62.8	43.1	41.2	41.2
9-10 AM	957	0.0	394	0.0	OFF	957	0	394	0.00	0	64.6	64.6	64.6	39.1	39.1
10-11 AM	1472	0.0	606	0.0	OFF	1472	0	606	0.00	0	63.7	63.7	63.7	36.1	36.1
11A-NOON	1838	0.0	757	0.0	OFF	1838	0	757	0.00	0	63.0	63.0	63.0	33.9	33.9
NOON-1PM	2088	0.0	859	0.0	OFF	2088	0	859	0.00	0	62.5	62.5	62.5	32.5	32.5
1-2 PM	2312	0.0	952	0.0	OFF	2312	0	952	0.00	0	62.1	62.1	62.1	31.2	31.2
2-3 PM	2365	0.0	974	0.0	OFF	2365	0	974	0.00	0	62.0	62.0	62.0	30.9	30.9
3-4 PM	2424	0.0	997	0.0	OFF	2424	0	997	0.00	0	61.7	61.7	61.7	30.5	30.5
4-5 PM	2258	0.0	930	0.0	OFF	2258	0	930	0.00	0	62.2	62.2	62.2	31.5	31.5
5-6 PM	2004	0.0	825	0.0	OFF	2004	0	825	0.00	0	62.7	62.7	62.7	33.0	33.0
6-7 PM	1532	0.0	631	0.0	OFF	1532	0	631	0.00	0	63.5	63.5	63.5	35.7	35.7
7-8 PM	1244	0.0	512	0.0	1500	1244	0	512	0.69	0	64.1	60.7	37.1	37.4	37.4
8-9 PM	922	0.0	379	0.0	1500	922	0	379	0.51	0	64.6	62.2	42.0	39.3	39.3
9-10 PM	626	0.0	258	0.0	1500	626	0	258	0.48	0	65.2	62.8	43.0	41.0	41.0
10-11 PM	436	0.0	180	0.0	1500	436	0	180	0.46	0	65.6	63.2	43.8	42.2	42.2
11PM-MID	258	0.0	107	0.0	1500	258	0	107	0.45	0	65.9	63.6	44.5	43.2	43.2

"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	0.0531
MAIN ROUTE WITH WORKS	0.0527
DIVERSION	0.0770

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$663
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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

