

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

SATURDAY 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	379	0.0	156	0.0	1500	379	0	156	0.46	0	65.7	63.3	44.0	42.5	42.5
1-2 AM	315	0.0	130	0.0	1500	315	0	130	0.45	0	65.8	63.5	44.2	42.8	42.8
2-3 AM	296	0.0	122	0.0	1500	296	0	122	0.45	0	65.8	63.5	44.3	43.0	43.0
3-4 AM	277	0.0	114	0.0	1500	277	0	114	0.45	0	65.9	63.6	44.4	43.1	43.1
4-5 AM	290	0.0	120	0.0	1500	290	0	120	0.45	0	65.8	63.5	44.3	43.0	43.0
5-6 AM	361	0.0	149	0.0	1500	361	0	149	0.46	0	65.7	63.4	44.0	42.6	42.6
6-7 AM	544	0.0	224	0.0	1500	544	0	224	0.48	0	65.4	63.0	43.3	41.5	41.5
7-8 AM	816	0.0	336	0.0	1500	816	0	336	0.50	0	64.9	62.3	42.4	39.9	39.9
8-9 AM	1219	0.0	501	0.0	OFF	1219	0	501	0.00	0	64.1	64.1	64.1	37.6	37.6
9-10 AM	1623	0.0	669	0.0	OFF	1623	0	669	0.00	0	63.3	63.3	63.3	35.2	35.2
10-11 AM	1848	0.0	761	0.0	OFF	1848	0	761	0.00	0	63.0	63.0	63.0	33.8	33.8
11A-NOON	1861	0.0	766	0.0	OFF	1861	0	766	0.00	0	62.9	62.9	62.9	33.8	33.8
NOON-1PM	1632	0.0	672	0.0	OFF	1632	0	672	0.00	0	63.3	63.3	63.3	35.1	35.1
1-2 PM	1578	0.0	649	0.0	OFF	1578	0	649	0.00	0	63.5	63.5	63.5	35.5	35.5
2-3 PM	1467	0.0	604	0.0	OFF	1467	0	604	0.00	0	63.7	63.7	63.7	36.1	36.1
3-4 PM	1433	0.0	590	0.0	OFF	1433	0	590	0.00	0	63.7	63.7	63.7	36.3	36.3
4-5 PM	1246	0.0	513	0.0	OFF	1246	0	513	0.00	0	64.1	64.1	64.1	37.4	37.4
5-6 PM	1101	0.0	454	0.0	OFF	1101	0	454	0.00	0	64.3	64.3	64.3	38.3	38.3
6-7 PM	940	0.0	387	0.0	1500	940	0	387	0.51	0	64.6	62.1	41.9	39.2	39.2
7-8 PM	814	0.0	335	0.0	1500	814	0	335	0.50	0	64.9	62.4	42.4	39.9	39.9
8-9 PM	646	0.0	266	0.0	1500	646	0	266	0.49	0	65.2	62.7	43.0	40.9	40.9
9-10 PM	547	0.0	225	0.0	1500	547	0	225	0.48	0	65.4	63.0	43.3	41.5	41.5
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	289	0.0	119	0.0	1500	289	0	119	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	0.0475
MAIN ROUTE WITH WORKS	0.0470
DIVERSION	0.0689

PIA: Personal Injury Accidents

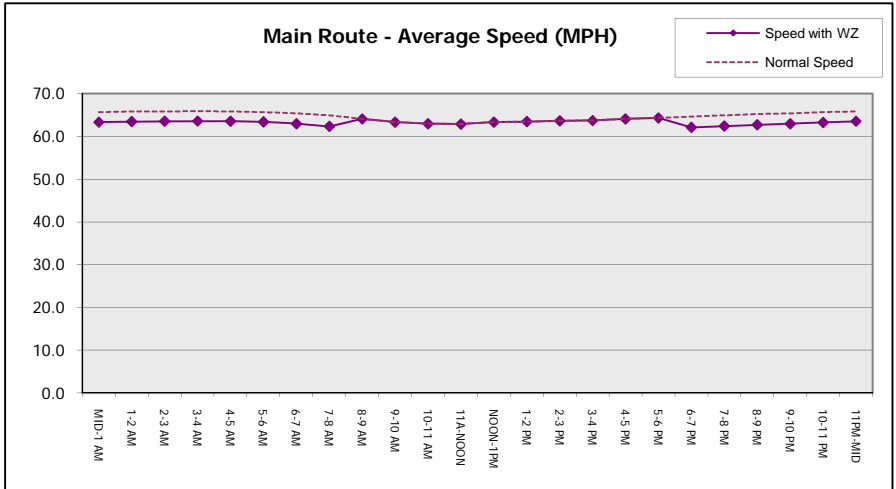
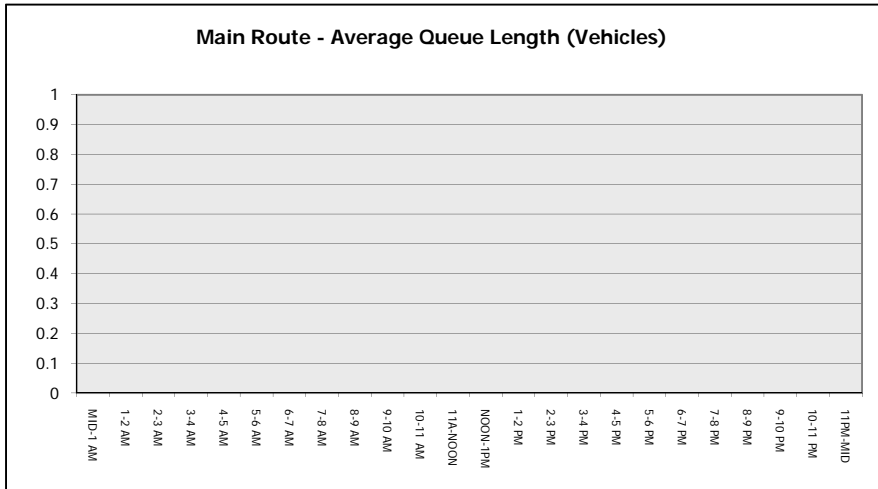
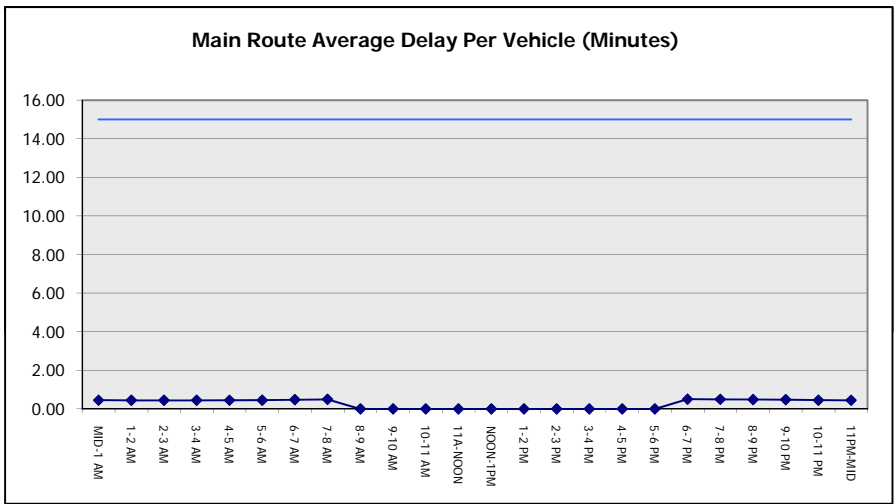
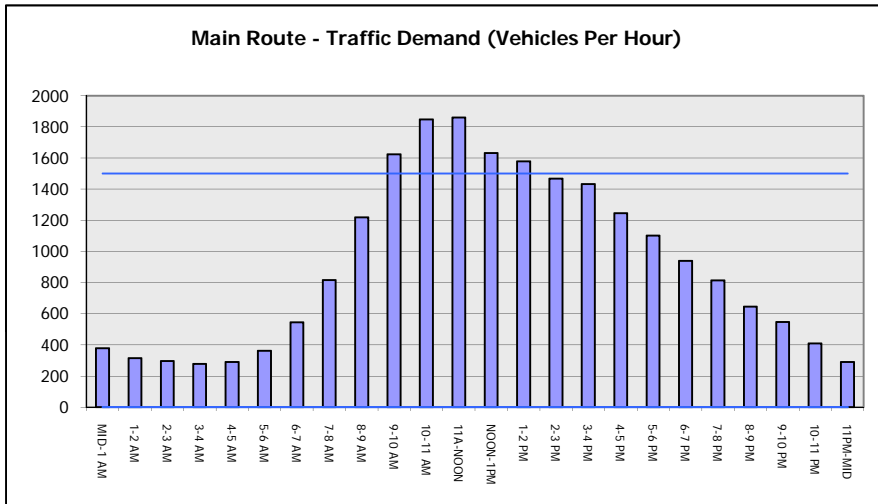
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$772
CONGESTED HOURS PER DAY*	0

*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
SATURDAY 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

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	319	0.0	131	0.0	1500	319	0	131	0.45	0	65.8	63.5	44.2	42.8	42.8
1-2 AM	253	0.0	105	0.0	1500	253	0	105	0.45	0	65.9	63.6	44.5	43.2	43.2
2-3 AM	226	0.0	93	0.0	1500	226	0	93	0.44	0	66.0	63.7	44.6	43.4	43.4
3-4 AM	198	0.0	81	0.0	1500	198	0	81	0.44	0	66.0	63.7	44.7	43.5	43.5
4-5 AM	180	0.0	74	0.0	1500	180	0	74	0.44	0	66.1	63.8	44.8	43.7	43.7
5-6 AM	232	0.0	95	0.0	1500	232	0	95	0.45	0	66.0	63.7	44.5	43.3	43.3
6-7 AM	354	0.0	146	0.0	1500	354	0	146	0.46	0	65.7	63.4	44.1	42.6	42.6
7-8 AM	584	0.0	240	0.0	1500	584	0	240	0.48	0	65.3	62.9	43.2	41.3	41.3
8-9 AM	888	0.0	365	0.0	OFF	888	0	365	0.00	0	64.7	64.7	64.7	39.5	39.5
9-10 AM	1431	0.0	590	0.0	OFF	1431	0	590	0.00	0	63.7	63.7	63.7	36.3	36.3
10-11 AM	1906	0.0	785	0.0	OFF	1906	0	785	0.00	0	62.8	62.8	62.8	33.5	33.5
11A-NOON	1984	0.0	817	0.0	OFF	1984	0	817	0.00	0	62.7	62.7	62.7	33.1	33.1
NOON-1PM	1836	0.0	756	0.0	OFF	1836	0	756	0.00	0	63.0	63.0	63.0	34.0	34.0
1-2 PM	1866	0.0	768	0.0	OFF	1866	0	768	0.00	0	62.9	62.9	62.9	33.8	33.8
2-3 PM	1734	0.0	713	0.0	OFF	1734	0	713	0.00	0	63.2	63.2	63.2	34.5	34.5
3-4 PM	1651	0.0	680	0.0	OFF	1651	0	680	0.00	0	63.3	63.3	63.3	35.0	35.0
4-5 PM	1448	0.0	596	0.0	OFF	1448	0	596	0.00	0	63.7	63.7	63.7	36.2	36.2
5-6 PM	1262	0.0	520	0.0	OFF	1262	0	520	0.00	0	64.0	64.0	64.0	37.3	37.3
6-7 PM	1078	0.0	443	0.0	1500	1078	0	443	0.53	0	64.4	61.8	41.4	38.4	38.4
7-8 PM	892	0.0	367	0.0	1500	892	0	367	0.51	0	64.7	62.2	42.0	39.5	39.5
8-9 PM	759	0.0	313	0.0	1500	759	0	313	0.50	0	65.0	62.5	42.5	40.2	40.2
9-10 PM	586	0.0	241	0.0	1500	586	0	241	0.48	0	65.3	62.9	43.2	41.3	41.3
10-11 PM	467	0.0	192	0.0	1500	467	0	192	0.47	0	65.5	63.2	43.7	42.0	42.0
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	0.0485
MAIN ROUTE WITH WORKS	0.0481
DIVERSION	0.0704

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$721
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
SATURDAY EASTBOUND DIRECTION

